SGS

TEST REPORT
IEC 60335-2-40
Safety of household and similar electrical appliances
Part 2-40: Particular requirements for electrical heat pumps, air conditioners and dehumidifiers

Report Number. .....:	GZES171101895601
Date of issue .....:	2018-01-15
Total number of pages.....:	701
Applicant's name.....:	GD Midea Air-conditioning Equipment Co., Ltd.
Address .....:	Lingang Road, Beijiao, Shunde, Foshan, 528311, Guangdong, China
Test specification:	
Standard.....:	IEC 60335-2-40:2002 (Fourth Edition) + A1:2005 (incl. Corr.1:2006) + A2:2005 in conjunction with IEC 60335-1:2010 (Fifth Edition)
Test procedure .....:	CB Scheme
Non-standard test method.....:	N/A
Test Report Form No. .....:	IEC60335_2_40J
Test Report Form(s) Originator ....:	VDE
Master TRF.....:	Dated 2014-06

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General disclaimer:

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Test item description .....:	Multi-split Type Air-conditioner (Air Conditioner)
Trade Mark .....:	**Midea**
Manufacturer.....:	Same as applicant
Model/Type reference .....:	See gengral product information
Ratings .....:	220 V – 240 V; 50 Hz; See gengral product information

Testing procedure and testing location:			
☒	**Testing Laboratory:**	SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch	
Testing location/ address ..... :		Building 1, European Industrial Park, No. 1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China	
☐	**Associated CB Testing Laboratory:**		
Testing location/ address ..... :			
Tested by (name + signature) ..... :		Elaine Gao	
Approved by (name + signature) ..... :		Ailsa Wang	
☐	**Testing procedure: TMP/CTF Stage 1:**		
Testing location/ address ..... :			
Tested by (name + signature) ..... :			
Approved by (name + signature) ..... :			
☐	**Testing procedure: WMT/CTF Stage 2:**		
Testing location/ address ..... :			
Tested by (name + signature) ..... :			
Witnessed by (name + signature) ..... :			
Approved by (name + signature) ..... :			
☐	**Testing procedure: SMT/CTF Stage 3 or 4:**		
Testing location/ address ..... :			
Tested by (name + signature) ..... :			
Witnessed by (name + signature) ..... :			
Approved by (name + signature) ..... :			
Supervised by (name + signature) ..... :			

List of Attachments (including a total number of pages in each attachment):

Attachment 1: 18 pages of EN deviation.
Attachment 2: 1 page of EN 60335-1: 2012 / A11: 2014;
Attachment 3: 41 pages of circuit diagram;
Attachment 4: 423 pages of photos;

Summary of testing:

Tests performed (name of test and test clause):

IEC 60335 2 40: 2002 + A1: 2005 + A2: 2005
IEC 60335-1: 2010 + A1: 2013
EN 60335-2-40: 2003 + A11 + A12 + A1+ A2 + A13
EN 60335-1: 2012 + A11: 2014
EN 62233: 2008

The submitted samples fulfilled the above requirements.

The combinations of indoor units and outdoor units for the maximum/ minimum cooling and heating capacities were selected to conduct the tests specified by the manufacturer as the most unfavourable test condition, details see the clause 10 and 11.

The test data were based on the original test report No. GZES130800748301, GZES130800748302, GZES130800748303, GZES130800748304, GZES130800748305, GZES130800748306, GZES130800748307, GZES130800748308, GZES130800748309, GZES130800748310, GZES130800748311, GZES130800748312, GZES130800748313, GZES130800748314, GZES130800748315, GZES130800748316, GZES130800748317, GZES130800748318, GZES130800748319, GZES130800748320, GZES130800748321 and GZES130800748322.

Testing location:

See page 2.

Summary of compliance with National Differences:

CENELEC common modifications were taken into account.

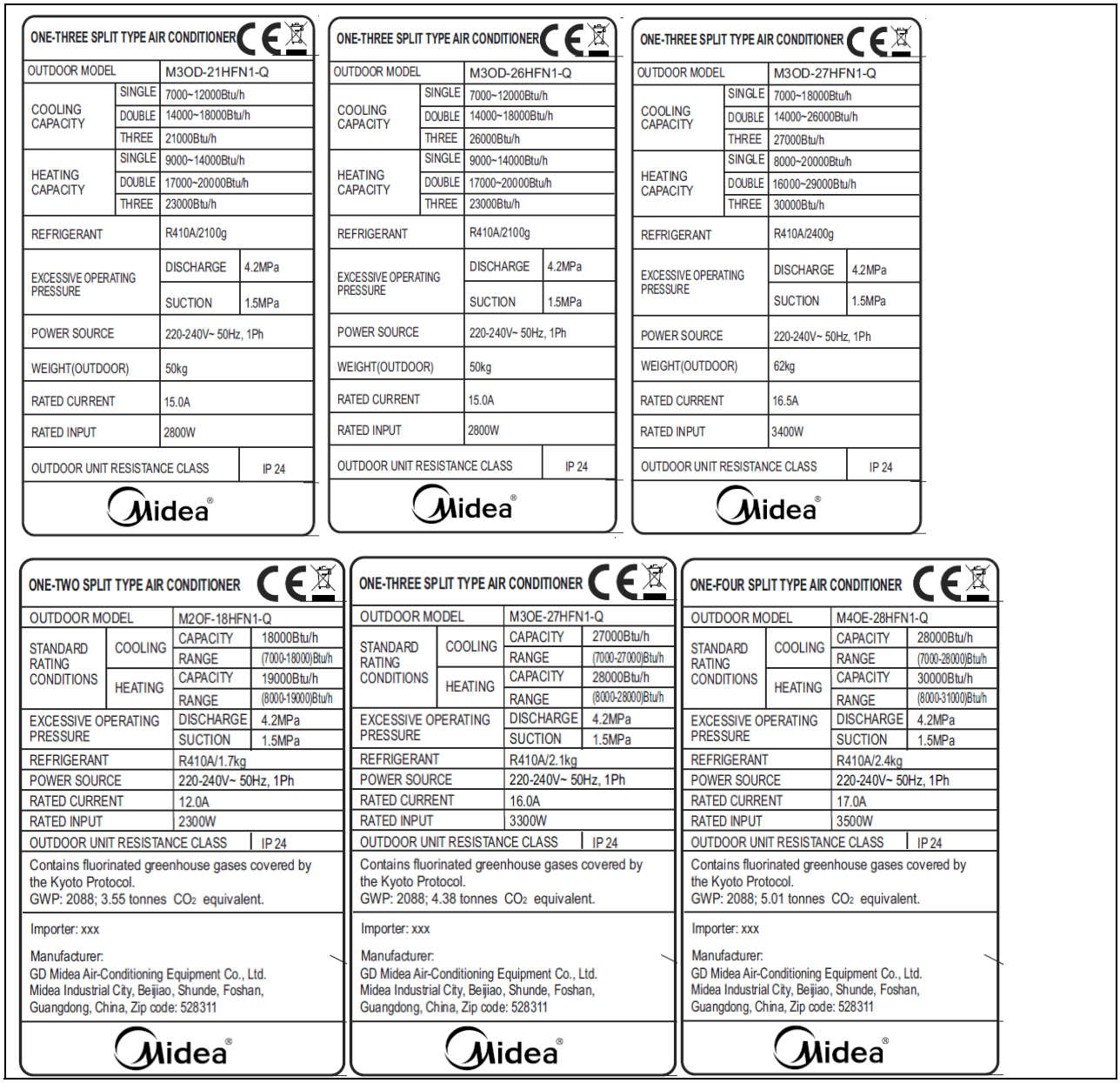
Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

ONE-TWO SPLIT TYPE AIR CONDITIONER		
OUTDOOR MODEL		M2OD-14HFN1-Q
COOLING CAPACITY	SINGLE	7000~12000Btu/h
	DOUBLE	14000Btu/h
HEATING CAPACITY	SINGLE	8000~13000Btu/h
	DOUBLE	16000Btu/h
REFRIGERANT		R410A/1550g
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
POWER SOURCE		220-240V~ 50Hz, 1Ph
WEIGHT(OUTDOOR)		44kg
RATED CURRENT		11.0A
RATED INPUT		2000W
OUTDOOR UNIT RESISTANCE CLASS		IP 24
Midea®		

ONE-TWO SPLIT TYPE AIR CONDITIONER		
OUTDOOR MODEL		M2OD-18HFN1-Q
COOLING CAPACITY	SINGLE	7000~18000Btu/h
	DOUBLE	18000Btu/h
HEATING CAPACITY	SINGLE	8000~20000Btu/h
	DOUBLE	21000Btu/h
REFRIGERANT		R410A/1900g
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
POWER SOURCE		220-240V~ 50Hz, 1Ph
WEIGHT(OUTDOOR)		48kg
RATED CURRENT		14.5A
RATED INPUT		2700W
OUTDOOR UNIT RESISTANCE CLASS		IP 24
Midea®		

ONE-TWO SPLIT TYPE AIR CONDITIONER		
OUTDOOR MODEL		M2OD-18HFN1-Q
COOLING CAPACITY	SINGLE	7000~16000Btu/h
	DOUBLE	18000Btu/h
HEATING CAPACITY	SINGLE	8000~17000Btu/h
	DOUBLE	19000Btu/h
REFRIGERANT		R410A/2000g
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
POWER SOURCE		220-240V~ 50Hz, 1Ph
WEIGHT(OUTDOOR)		36.5kg
RATED CURRENT		14A
RATED INPUT		2600W
OUTDOOR UNIT RESISTANCE CLASS		IP 24
Midea®		



ONE-THREE SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M3OD-21HFN1-Q	
COOLING CAPACITY	SINGLE	7000~12000Btu/h	
	DOUBLE	14000~18000Btu/h	
	THREE	21000Btu/h	
HEATING CAPACITY	SINGLE	9000~14000Btu/h	
	DOUBLE	17000~20000Btu/h	
	THREE	23000Btu/h	
REFRIGERANT		R410A/2100g	
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
POWER SOURCE		220-240V~ 50Hz, 1Ph	
WEIGHT(OUTDOOR)		50kg	
RATED CURRENT		15.0A	
RATED INPUT		2800W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

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ONE-THREE SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M3OD-26HFN1-Q	
COOLING CAPACITY	SINGLE	7000~12000Btu/h	
	DOUBLE	14000~18000Btu/h	
	THREE	26000Btu/h	
HEATING CAPACITY	SINGLE	9000~14000Btu/h	
	DOUBLE	17000~20000Btu/h	
	THREE	23000Btu/h	
REFRIGERANT		R410A/2100g	
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
POWER SOURCE		220-240V~ 50Hz, 1Ph	
WEIGHT(OUTDOOR)		50kg	
RATED CURRENT		15.0A	
RATED INPUT		2800W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

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ONE-THREE SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M3OD-27HFN1-Q	
COOLING CAPACITY	SINGLE	7000~18000Btu/h	
	DOUBLE	14000~26000Btu/h	
	THREE	27000Btu/h	
HEATING CAPACITY	SINGLE	8000~20000Btu/h	
	DOUBLE	16000~29000Btu/h	
	THREE	30000Btu/h	
REFRIGERANT		R410A/2400g	
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
POWER SOURCE		220-240V~ 50Hz, 1Ph	
WEIGHT(OUTDOOR)		62kg	
RATED CURRENT		16.5A	
RATED INPUT		3400W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

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ONE-TWO SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M2OF-18HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	18000Btu/h
		RANGE	(7000-18000)Btu/h
	HEATING	CAPACITY	19000Btu/h
		RANGE	(8000-19000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/1.7kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		12.0A	
RATED INPUT		2300W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 3.55 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

Midea

ONE-THREE SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M3OE-27HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	27000Btu/h
		RANGE	(7000-27000)Btu/h
	HEATING	CAPACITY	28000Btu/h
		RANGE	(8000-28000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/2.1kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		16.0A	
RATED INPUT		3300W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 4.38 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

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ONE-FOUR SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M4OE-28HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	28000Btu/h
		RANGE	(7000-28000)Btu/h
	HEATING	CAPACITY	30000Btu/h
		RANGE	(8000-31000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/2.4kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		17.0A	
RATED INPUT		3500W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 5.01 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

Midea

ONE-FOUR SPLIT TYPE AIR CONDITIONER

OUTDOOR MODEL		M4OB-36HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	36000Btu/h
		RANGE	(7000-36000)Btu/h
	HEATING	CAPACITY	36000Btu/h
		RANGE	(8000-38000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/3.0kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		21.5A	
RATED INPUT		4600W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 6.26 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

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ONE-FIVE SPLIT TYPE AIR CONDITIONER

OUTDOOR MODEL		M5OE-42HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	42000Btu/h
		RANGE	(7000-42000)Btu/h
	HEATING	CAPACITY	42000Btu/h
		RANGE	(8000-42000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/3.6kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		22.0A	
RATED INPUT		4700W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 7.52 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

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ONE-TWO SPLIT TYPE AIR CONDITIONER

OUTDOOR MODEL		M2OE-14HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	14000Btu/h
		RANGE	(7000-14000)Btu/h
	HEATING	CAPACITY	16000Btu/h
		RANGE	(8000-16000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/1.25kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		11.0A	
RATED INPUT		2000W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 2.61 tonnes Co_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

Midea®

ONE-THREE SPLIT TYPE AIR CONDITIONER

OUTDOOR MODEL		M3OE-21HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	21000Btu/h
		RANGE	(7000-21000)Btu/h
	HEATING	CAPACITY	22500Btu/h
		RANGE	(8000-22500)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/2.1kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		15.0A	
RATED INPUT		2800W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 4.38 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

Midea®

ONE-TWO SPLIT TYPE AIR CONDITIONER

OUTDOOR MODEL		WM2OE-14HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	14000Btu/h
		RANGE	(7000-14000)Btu/h
	HEATING	CAPACITY	16000Btu/h
		RANGE	(8000-16000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/1.25kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		11.0A	
RATED INPUT		2000W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 2.61 tonnes Co_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

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ONE-TWO SPLIT TYPE AIR CONDITIONER

OUTDOOR MODEL		WM2OF-18HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	18000Btu/h
		RANGE	(7000-18000)Btu/h
	HEATING	CAPACITY	19000Btu/h
		RANGE	(8000-19000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/1.7kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		12.0A	
RATED INPUT		2300W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 3.55 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

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ONE-THREE SPLIT TYPE AIR CONDITIONER

OUTDOOR MODEL		WM3OE-21HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	21000Btu/h
		RANGE	(7000-21000)Btu/h
	HEATING	CAPACITY	22500Btu/h
		RANGE	(8000-22500)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/2.1kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		15.0A	
RATED INPUT		2800W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 4.38 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

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ONE-THREE SPLIT TYPE AIR CONDITIONER

OUTDOOR MODEL		WM3OE-27HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	27000Btu/h
		RANGE	(7000-27000)Btu/h
	HEATING	CAPACITY	28000Btu/h
		RANGE	(8000-28000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/2.1kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		16.0A	
RATED INPUT		3300W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 4.38 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

Midea®

ONE-FOUR SPLIT TYPE AIR CONDITIONER

OUTDOOR MODEL		WM4OE-28HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	28000Btu/h
		RANGE	(7000-28000)Btu/h
	HEATING	CAPACITY	30000Btu/h
		RANGE	(8000-31000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/2.4kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		17.0A	
RATED INPUT		3500W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 5.01 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

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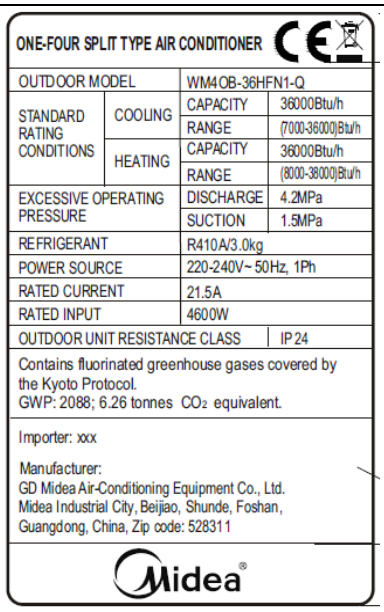


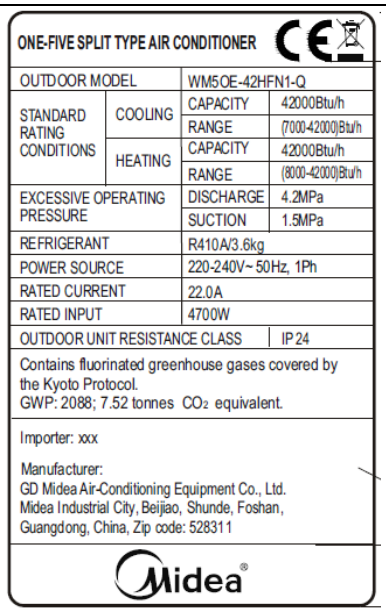
ONE-FOUR SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		WM4OB-36HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	36000Btu/h
		RANGE	(7000-36000)Btu/h
	HEATING	CAPACITY	36000Btu/h
		RANGE	(8000-38000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/3.0kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		21.5A	
RATED INPUT		4600W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 6.26 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

Midea



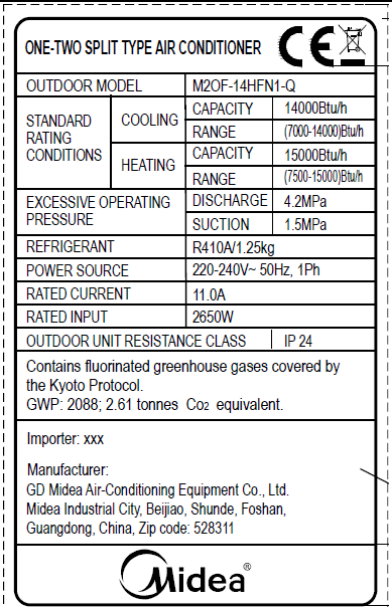
ONE-FIVE SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		WM5OE-42HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	42000Btu/h
		RANGE	(7000-42000)Btu/h
	HEATING	CAPACITY	42000Btu/h
		RANGE	(8000-42000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/3.6kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		22.0A	
RATED INPUT		4700W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 7.52 tonnes CO_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

Midea



ONE-TWO SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M2OF-14HFN1-Q	
STANDARD RATING CONDITIONS	COOLING	CAPACITY	14000Btu/h
		RANGE	(7000-14000)Btu/h
	HEATING	CAPACITY	15000Btu/h
		RANGE	(7500-15000)Btu/h
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
REFRIGERANT		R410A/1.25kg	
POWER SOURCE		220-240V~ 50Hz, 1Ph	
RATED CURRENT		11.0A	
RATED INPUT		2650W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
GWP: 2088; 2.61 tonnes Co_2 equivalent.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Midea Industrial City, Beijiao, Shunde, Foshan,
Guangdong, China, Zip code: 528311

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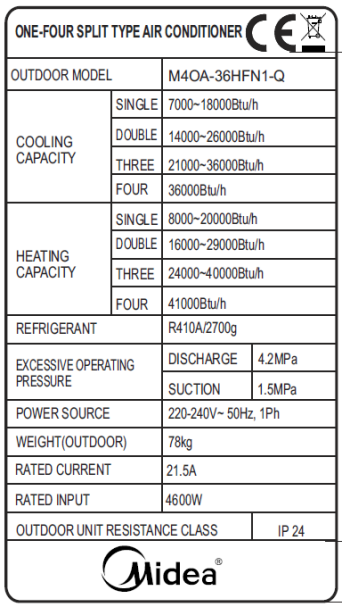
Outdoor unit model name	Rated power	Rated current	Max. cooling / heating capacity	Refrigerant R410A	Weight
M2OD-16HFN1-Q	2400 W	11 A	16000 / 17000 Btu/h	1700 g	34,5 kg
M5OD-42HFN1-Q	5600 W	25 A	42000 / 42000 Btu/h	3500 g	83,5 kg



ONE-FOUR SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M4OA-36HFN1-Q	
COOLING CAPACITY	SINGLE	7000~18000Btu/h	
	DOUBLE	14000~26000Btu/h	
	THREE	21000~36000Btu/h	
	FOUR	36000Btu/h	
HEATING CAPACITY	SINGLE	8000~20000Btu/h	
	DOUBLE	16000~29000Btu/h	
	THREE	24000~40000Btu/h	
	FOUR	41000Btu/h	
REFRIGERANT		R410A/2700g	
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
POWER SOURCE		220-240V~ 50Hz, 1Ph	
WEIGHT(OUTDOOR)		78kg	
RATED CURRENT		21.5A	
RATED INPUT		4600W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

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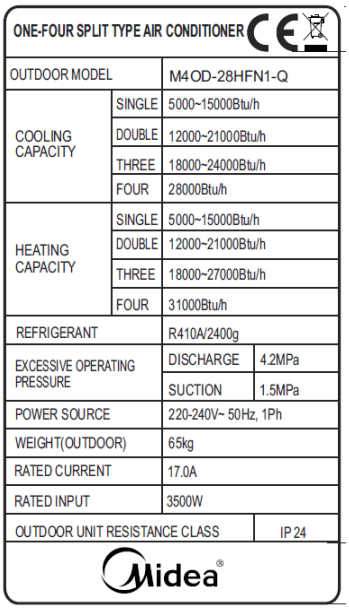

ONE-FOUR SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M4OD-28HFN1-Q	
COOLING CAPACITY	SINGLE	5000~15000Btu/h	
	DOUBLE	12000~21000Btu/h	
	THREE	18000~24000Btu/h	
	FOUR	28000Btu/h	
HEATING CAPACITY	SINGLE	5000~15000Btu/h	
	DOUBLE	12000~21000Btu/h	
	THREE	18000~27000Btu/h	
	FOUR	31000Btu/h	
REFRIGERANT		R410A/2400g	
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
POWER SOURCE		220-240V~ 50Hz, 1Ph	
WEIGHT(OUTDOOR)		65kg	
RATED CURRENT		17.0A	
RATED INPUT		3500W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

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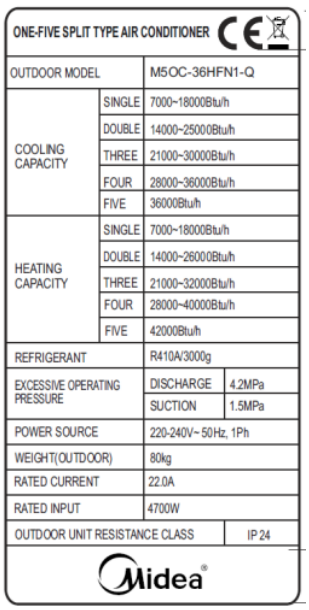

ONE-FIVE SPLIT TYPE AIR CONDITIONER			
OUTDOOR MODEL		M5OC-36HFN1-Q	
COOLING CAPACITY	SINGLE	7000~18000Btu/h	
	DOUBLE	14000~25000Btu/h	
	THREE	21000~30000Btu/h	
	FOUR	28000~36000Btu/h	
	FIVE	36000Btu/h	
HEATING CAPACITY	SINGLE	7000~18000Btu/h	
	DOUBLE	14000~26000Btu/h	
	THREE	21000~32000Btu/h	
	FOUR	28000~40000Btu/h	
	FIVE	42000Btu/h	
REFRIGERANT		R410A/3000g	
EXCESSIVE OPERATING PRESSURE		DISCHARGE	4.2MPa
		SUCTION	1.5MPa
POWER SOURCE		220-240V~ 50Hz, 1Ph	
WEIGHT(OUTDOOR)		80kg	
RATED CURRENT		22.0A	
RATED INPUT		4700W	
OUTDOOR UNIT RESISTANCE CLASS		IP 24	

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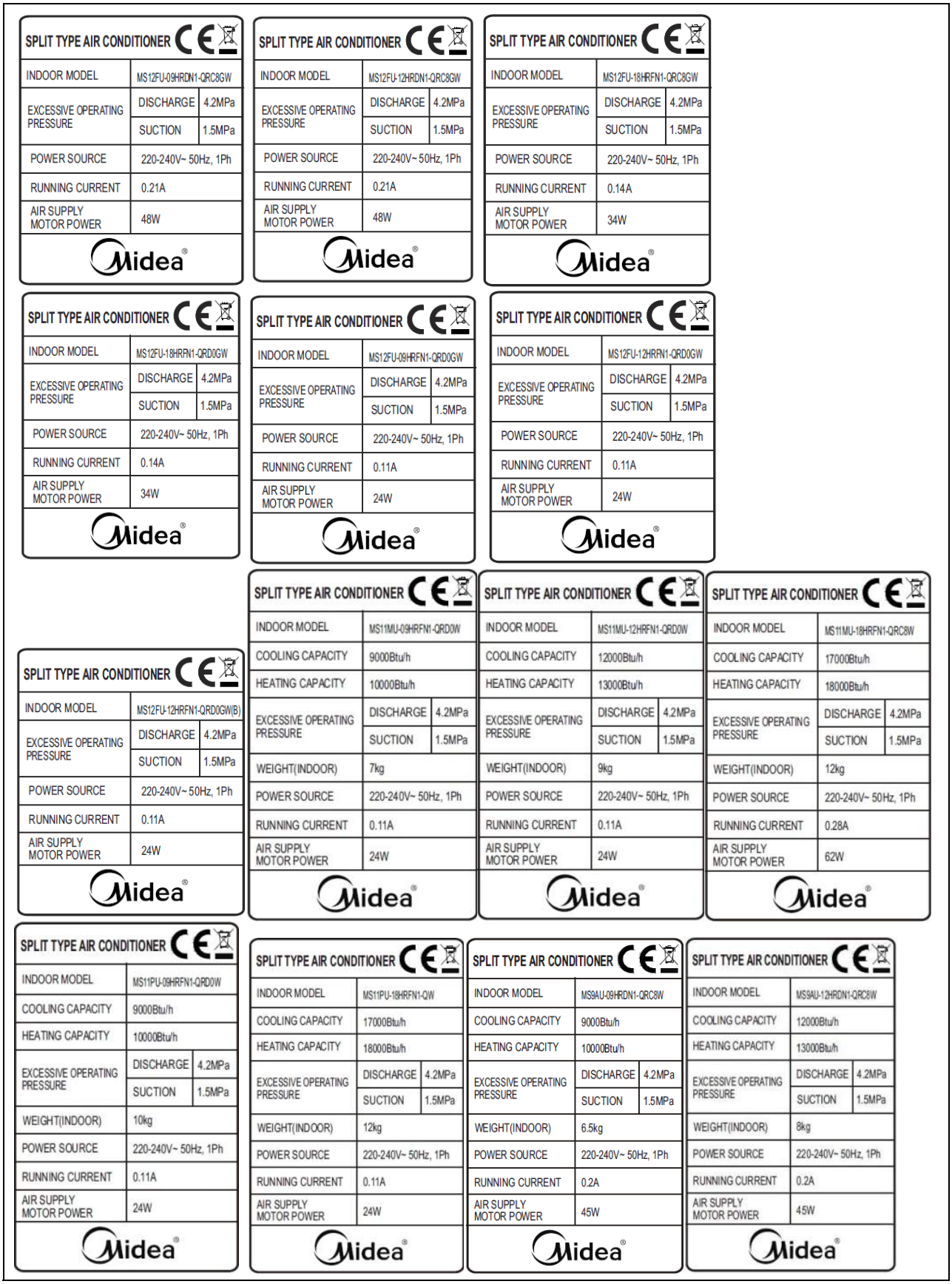

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS12FU-09HRDN1-QRC8GW
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.21A
AIR SUPPLY MOTOR POWER	48W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS12FU-12HRDN1-QRC8GW
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.21A
AIR SUPPLY MOTOR POWER	48W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS12FU-18HRFN1-QRC8GW
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.14A
AIR SUPPLY MOTOR POWER	34W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS12FU-18HRFN1-QRD0GW
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.14A
AIR SUPPLY MOTOR POWER	34W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS12FU-09HRFN1-QRD0GW
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.11A
AIR SUPPLY MOTOR POWER	24W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS12FU-12HRRN1-QRD0GW
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.11A
AIR SUPPLY MOTOR POWER	24W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS12FU-12HRFN1-QRD0GW(B)
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.11A
AIR SUPPLY MOTOR POWER	24W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS11MU-09HRFN1-QRD0W
COOLING CAPACITY	9000Btu/h
HEATING CAPACITY	10000Btu/h
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
WEIGHT(INDOOR)	7kg
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.11A
AIR SUPPLY MOTOR POWER	24W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS11MU-12HRFN1-QRD0W
COOLING CAPACITY	12000Btu/h
HEATING CAPACITY	13000Btu/h
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
WEIGHT(INDOOR)	9kg
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.11A
AIR SUPPLY MOTOR POWER	24W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS11MU-18HRFN1-QRC8W
COOLING CAPACITY	17000Btu/h
HEATING CAPACITY	18000Btu/h
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
WEIGHT(INDOOR)	12kg
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.28A
AIR SUPPLY MOTOR POWER	62W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS11PU-09HRFN1-QRD0W
COOLING CAPACITY	9000Btu/h
HEATING CAPACITY	10000Btu/h
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
WEIGHT(INDOOR)	10kg
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.11A
AIR SUPPLY MOTOR POWER	24W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS11PU-18HRFN1-QW
COOLING CAPACITY	17000Btu/h
HEATING CAPACITY	18000Btu/h
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
WEIGHT(INDOOR)	12kg
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.11A
AIR SUPPLY MOTOR POWER	24W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS9AU-09HRDN1-QRC8W
COOLING CAPACITY	9000Btu/h
HEATING CAPACITY	10000Btu/h
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
WEIGHT(INDOOR)	6.5kg
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.2A
AIR SUPPLY MOTOR POWER	45W

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MS9AU-12HRDN1-QRC8W
COOLING CAPACITY	12000Btu/h
HEATING CAPACITY	13000Btu/h
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.2MPa / SUCTION 1.5MPa
WEIGHT(INDOOR)	8kg
POWER SOURCE	220-240V~ 50Hz, 1Ph
RUNNING CURRENT	0.2A
AIR SUPPLY MOTOR POWER	45W

SPLIT TYPE AIR CONDITIONER		
INDOOR MODEL	MS9AI-07HRFN1-QRC8	
COOLING CAPACITY	7000Btu/h	
HEATING CAPACITY	8000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	7.5kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.11A	
AIR SUPPLY MOTOR POWER	24W	

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SPLIT TYPE AIR CONDITIONER		
INDOOR MODEL	MS9AI-09HRDN1-QRC8	
COOLING CAPACITY	9000Btu/h	
HEATING CAPACITY	10000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	8kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.20A	
AIR SUPPLY MOTOR POWER	45W	

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SPLIT TYPE AIR CONDITIONER		
INDOOR MODEL	MS9AI-07HRFN1-Q	
COOLING CAPACITY	7000Btu/h	
HEATING CAPACITY	8000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	7.5kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.11A	
AIR SUPPLY MOTOR POWER	24W	

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SPLIT TYPE AIR CONDITIONER		
INDOOR MODEL	MS11PU-12HRFN1-QRC8W	
COOLING CAPACITY	12000Btu/h	
HEATING CAPACITY	13000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	10kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.11A	
AIR SUPPLY MOTOR POWER	24W	

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MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER		
INDOOR MODEL	MTBI-07HRFN1-Q	
COOLING CAPACITY	7000Btu/h	
HEATING CAPACITY	8000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	19.5kg	
POWER SOURCE	220-240V~ 50Hz 1Ph	
RATED CURRENT	0.1A	
RATED INPUT	30W	

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MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER		
INDOOR MODEL	MTBI-09HRFN1-Q	
COOLING CAPACITY	9000Btu/h	
HEATING CAPACITY	11000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	19.5kg	
POWER SOURCE	220-240V~ 50Hz 1Ph	
RATED CURRENT	0.1A	
RATED INPUT	30W	

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MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER		
INDOOR MODEL	MTBI-12HRFN1-Q	
COOLING CAPACITY	12000Btu/h	
HEATING CAPACITY	14000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	19.5kg	
POWER SOURCE	220-240V~ 50Hz 1Ph	
RATED CURRENT	0.13A	
RATED INPUT	40W	

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MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER		
INDOOR MODEL	MTBI-18HWDN1-Q	
COOLING CAPACITY	18000Btu/h	
HEATING CAPACITY	20000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	23kg	
POWER SOURCE	220-240V~ 50Hz 1Ph	
RATED CURRENT	0.48A	
RATED INPUT	107W	

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FOUR-WAY CASSETTE TYPE AIR CONDITIONER		
INDOOR MODEL	MCA2I-07HRFN1-Q	
COOLING CAPACITY	7000Btu/h	
HEATING CAPACITY	8000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	17kg	
POWER SOURCE	220-240V~ 50Hz 1Ph	
RATED CURRENT	0.06A	
RATED INPUT	15W	

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FOUR-WAY CASSETTE TYPE AIR CONDITIONER		
INDOOR MODEL	MCA2I-09HRFN1-Q	
COOLING CAPACITY	9000Btu/h	
HEATING CAPACITY	11000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	17kg	
POWER SOURCE	220-240V~ 50Hz 1Ph	
RATED CURRENT	0.06A	
RATED INPUT	15W	

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FOUR-WAY CASSETTE TYPE AIR CONDITIONER		
INDOOR MODEL	MCA2I-12HRFN1-Q	
COOLING CAPACITY	12000Btu/h	
HEATING CAPACITY	14000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	17kg	
POWER SOURCE	220-240V~ 50Hz 1Ph	
RATED CURRENT	0.08A	
RATED INPUT	20W	

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FOUR-WAY CASSETTE TYPE AIR CONDITIONER		
INDOOR MODEL	MCA2I-18HRDN1	
COOLING CAPACITY	18000Btu/h	
HEATING CAPACITY	20500Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	18kg	
POWER SOURCE	220-240V~~50HZ 1PH	
RATED CURRENT	0.44A	
RATED INPUT	102W	

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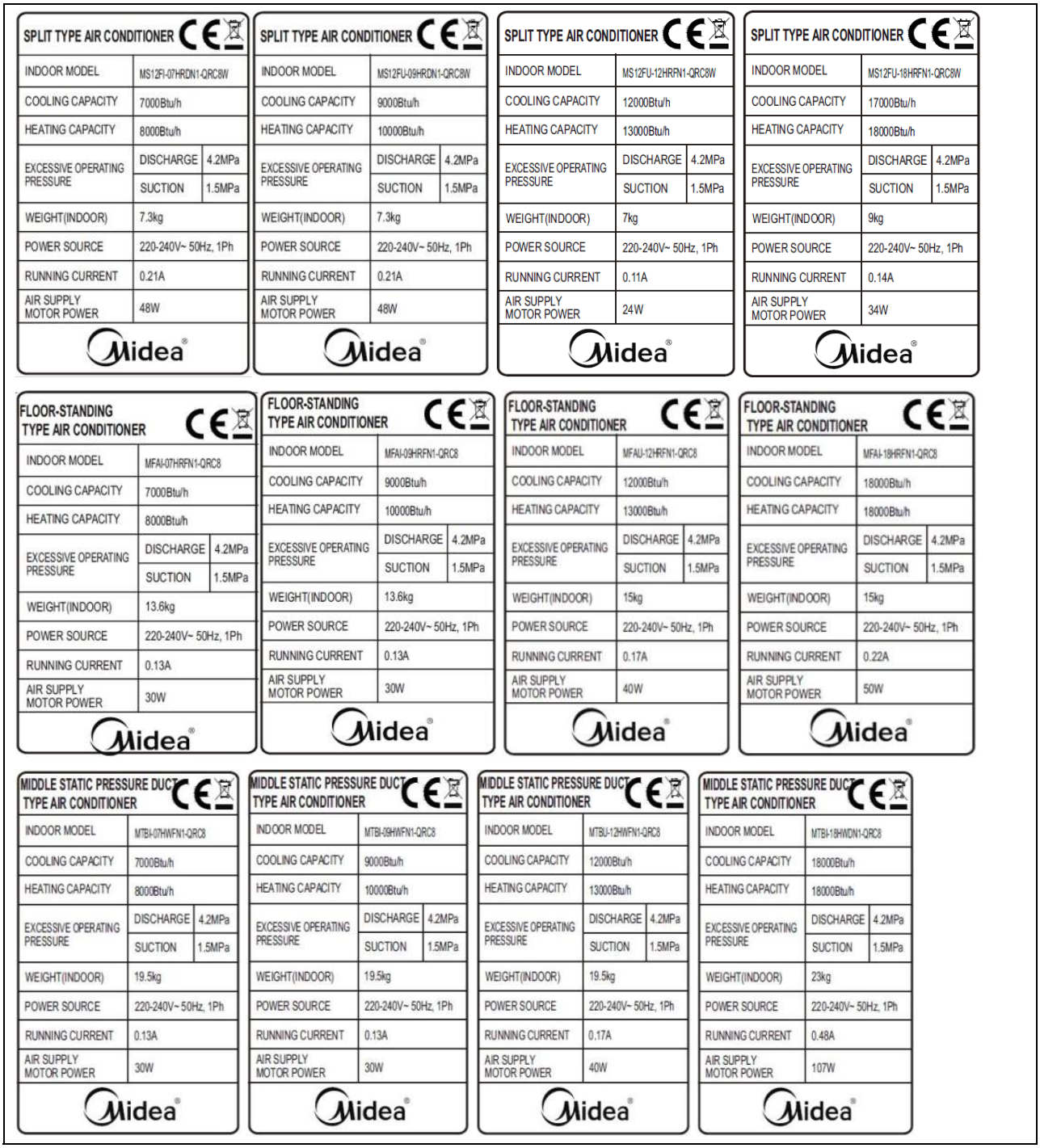


SPLIT TYPE AIR CONDITIONER		
INDOOR MODEL	MS12FI-07HRDN1-QRC8W	
COOLING CAPACITY	7000Btu/h	
HEATING CAPACITY	8000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	7.3kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.21A	
AIR SUPPLY MOTOR POWER	48W	

SPLIT TYPE AIR CONDITIONER		
INDOOR MODEL	MS12FU-09HRDN1-QRC8W	
COOLING CAPACITY	9000Btu/h	
HEATING CAPACITY	10000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	7.3kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.21A	
AIR SUPPLY MOTOR POWER	48W	

SPLIT TYPE AIR CONDITIONER		
INDOOR MODEL	MS12FU-12HRFN1-QRC8W	
COOLING CAPACITY	12000Btu/h	
HEATING CAPACITY	13000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	7kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.11A	
AIR SUPPLY MOTOR POWER	24W	

SPLIT TYPE AIR CONDITIONER		
INDOOR MODEL	MS12FU-18HRFN1-QRC8W	
COOLING CAPACITY	17000Btu/h	
HEATING CAPACITY	18000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	9kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.14A	
AIR SUPPLY MOTOR POWER	34W	

FLOOR-STANDING TYPE AIR CONDITIONER		
INDOOR MODEL	MFAI-07HRFN1-QRC8	
COOLING CAPACITY	7000Btu/h	
HEATING CAPACITY	8000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	13.6kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.13A	
AIR SUPPLY MOTOR POWER	30W	

FLOOR-STANDING TYPE AIR CONDITIONER		
INDOOR MODEL	MFAI-09HRFN1-QRC8	
COOLING CAPACITY	9000Btu/h	
HEATING CAPACITY	10000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	13.6kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.13A	
AIR SUPPLY MOTOR POWER	30W	

FLOOR-STANDING TYPE AIR CONDITIONER		
INDOOR MODEL	MFAU-12HRFN1-QRC8	
COOLING CAPACITY	12000Btu/h	
HEATING CAPACITY	13000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	15kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.17A	
AIR SUPPLY MOTOR POWER	40W	

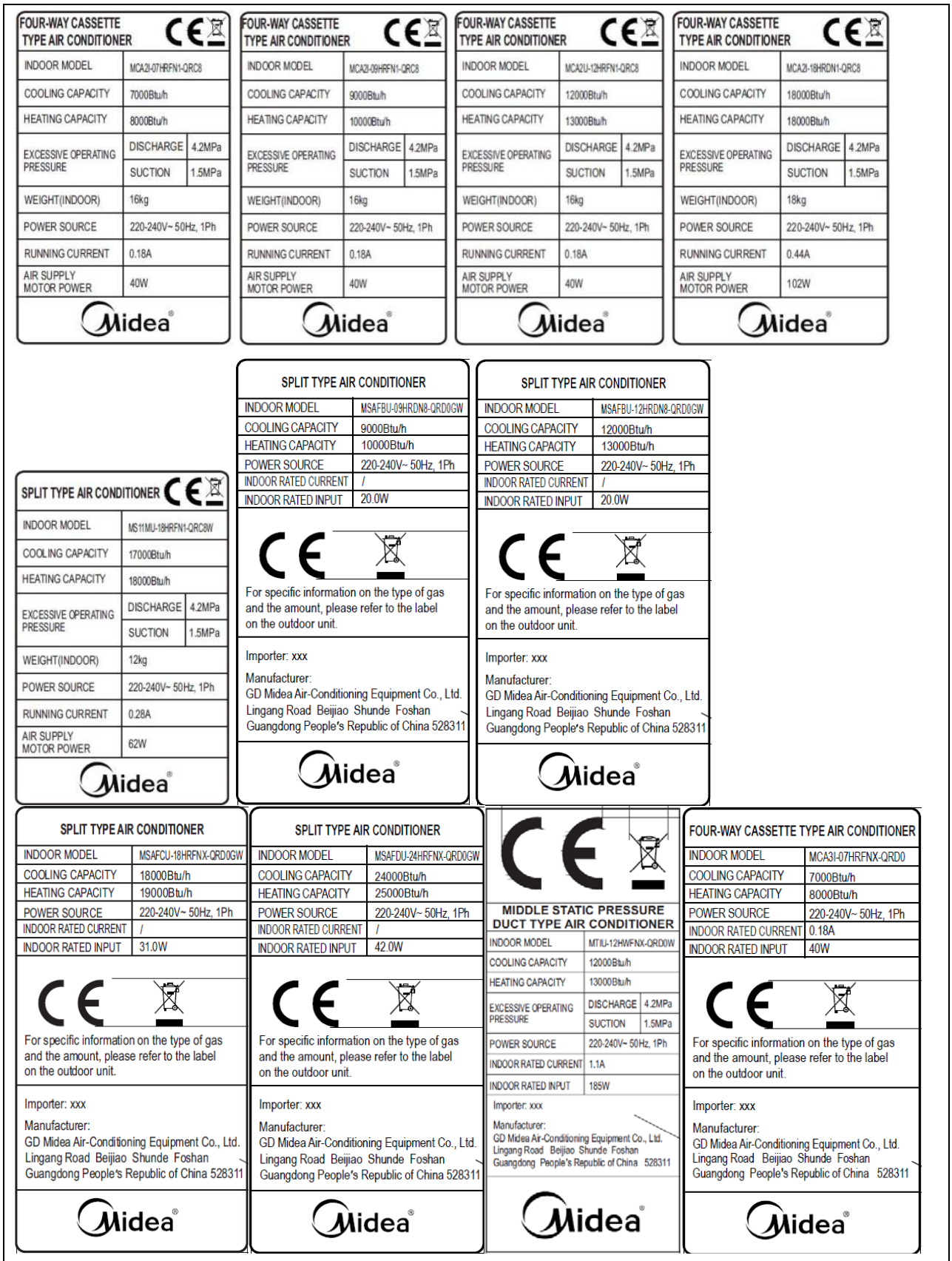
FLOOR-STANDING TYPE AIR CONDITIONER		
INDOOR MODEL	MFAI-18HRFN1-QRC8	
COOLING CAPACITY	18000Btu/h	
HEATING CAPACITY	18000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	15kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.22A	
AIR SUPPLY MOTOR POWER	50W	

MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER		
INDOOR MODEL	MTBI-07HWFN1-QRC8	
COOLING CAPACITY	7000Btu/h	
HEATING CAPACITY	8000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	19.5kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.13A	
AIR SUPPLY MOTOR POWER	30W	

MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER		
INDOOR MODEL	MTBI-09HWFN1-QRC8	
COOLING CAPACITY	9000Btu/h	
HEATING CAPACITY	10000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	19.5kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.13A	
AIR SUPPLY MOTOR POWER	30W	

MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER		
INDOOR MODEL	MTBU-12HWFN1-QRC8	
COOLING CAPACITY	12000Btu/h	
HEATING CAPACITY	13000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	19.5kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.17A	
AIR SUPPLY MOTOR POWER	40W	

MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER		
INDOOR MODEL	MTBI-18HWDN1-QRC8	
COOLING CAPACITY	18000Btu/h	
HEATING CAPACITY	18000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	23kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.48A	
AIR SUPPLY MOTOR POWER	107W	



FOUR-WAY CASSETTE TYPE AIR CONDITIONER		
INDOOR MODEL	MCA2I-07HRFN1-QRC8	
COOLING CAPACITY	7000Btu/h	
HEATING CAPACITY	8000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	16kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.18A	
AIR SUPPLY MOTOR POWER	40W	

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FOUR-WAY CASSETTE TYPE AIR CONDITIONER		
INDOOR MODEL	MCA2I-09HRFN1-QRC8	
COOLING CAPACITY	9000Btu/h	
HEATING CAPACITY	10000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	16kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.18A	
AIR SUPPLY MOTOR POWER	40W	

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FOUR-WAY CASSETTE TYPE AIR CONDITIONER		
INDOOR MODEL	MCA2U-12HRFN1-QRC8	
COOLING CAPACITY	12000Btu/h	
HEATING CAPACITY	13000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	16kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.18A	
AIR SUPPLY MOTOR POWER	40W	

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FOUR-WAY CASSETTE TYPE AIR CONDITIONER		
INDOOR MODEL	MCA2I-18HRDN1-QRC8	
COOLING CAPACITY	18000Btu/h	
HEATING CAPACITY	18000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	18kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.44A	
AIR SUPPLY MOTOR POWER	102W	

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SPLIT TYPE AIR CONDITIONER		
INDOOR MODEL	MS11MU-18HRFN1-QRC8W	
COOLING CAPACITY	17000Btu/h	
HEATING CAPACITY	18000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
WEIGHT(INDOOR)	12kg	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
RUNNING CURRENT	0.28A	
AIR SUPPLY MOTOR POWER	62W	

Midea

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MSAFBU-09HRDN8-QRD0GW
COOLING CAPACITY	9000Btu/h
HEATING CAPACITY	10000Btu/h
POWER SOURCE	220-240V~ 50Hz, 1Ph
INDOOR RATED CURRENT	/
INDOOR RATED INPUT	20.0W

For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Lingang Road Beijiao Shunde Foshan
Guangdong People's Republic of China 528311

Midea

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MSAFBU-12HRDN8-QRD0GW
COOLING CAPACITY	12000Btu/h
HEATING CAPACITY	13000Btu/h
POWER SOURCE	220-240V~ 50Hz, 1Ph
INDOOR RATED CURRENT	/
INDOOR RATED INPUT	20.0W

For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Lingang Road Beijiao Shunde Foshan
Guangdong People's Republic of China 528311

Midea

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MSAFCU-18HRFNX-QRD0GW
COOLING CAPACITY	18000Btu/h
HEATING CAPACITY	19000Btu/h
POWER SOURCE	220-240V~ 50Hz, 1Ph
INDOOR RATED CURRENT	/
INDOOR RATED INPUT	31.0W

For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Lingang Road Beijiao Shunde Foshan
Guangdong People's Republic of China 528311

Midea

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MSAFDU-24HRFNX-QRD0GW
COOLING CAPACITY	24000Btu/h
HEATING CAPACITY	25000Btu/h
POWER SOURCE	220-240V~ 50Hz, 1Ph
INDOOR RATED CURRENT	/
INDOOR RATED INPUT	42.0W

For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Lingang Road Beijiao Shunde Foshan
Guangdong People's Republic of China 528311

Midea

MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER		
INDOOR MODEL	MTIU-12HWFNX-QRD0W	
COOLING CAPACITY	12000Btu/h	
HEATING CAPACITY	13000Btu/h	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.2MPa
	SUCTION	1.5MPa
POWER SOURCE	220-240V~ 50Hz, 1Ph	
INDOOR RATED CURRENT	1.1A	
INDOOR RATED INPUT	185W	

Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Lingang Road Beijiao Shunde Foshan
Guangdong People's Republic of China 528311

Midea

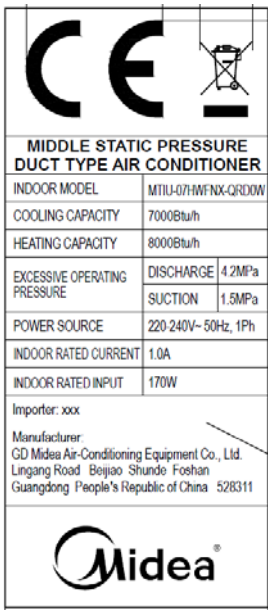
FOUR-WAY CASSETTE TYPE AIR CONDITIONER	
INDOOR MODEL	MCA3I-07HRFNX-QRD0
COOLING CAPACITY	7000Btu/h
HEATING CAPACITY	8000Btu/h
POWER SOURCE	220-240V~ 50Hz, 1Ph
INDOOR RATED CURRENT	0.18A
INDOOR RATED INPUT	40W

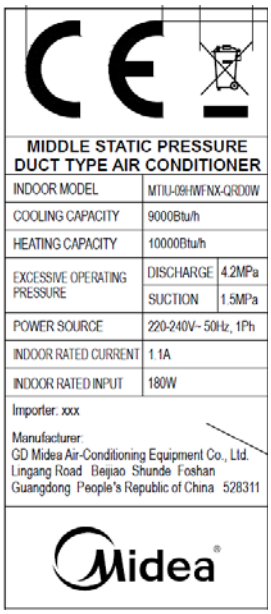
For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.

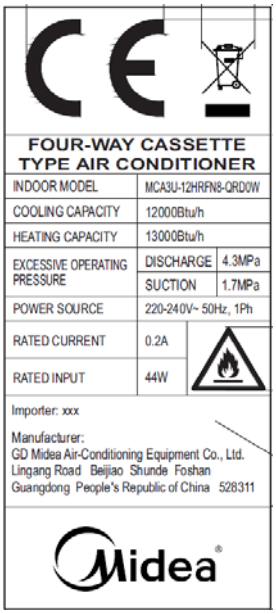
Importer: xxx

Manufacturer:
GD Midea Air-Conditioning Equipment Co., Ltd.
Lingang Road Beijiao Shunde Foshan
Guangdong People's Republic of China 528311

Midea







Indoor unit model name	Rated power	Rated current	Max. cooling/heating capacity	Weight
MS11MU-09HRFN1-QRD0GW(A)	24 W	0,11 A	9000 / 10000 Btu/h	8,8 kg
MS11MU-12HRFN1-QRD0GW(B)	24 W	0,11 A	12000 / 13000 Btu/h	8,8 kg
MS11MU-18HRFN1-QRD0GW(B)	62 W	0,28 A	17000 / 18000 Btu/h	11,8 kg
MS12FU-09HRDN1-QRD0GW(B)	48 W	0,21 A	9000 / 10000 Btu/h	7,5 kg
MS12FU-12HRDN1-QRD0GW(C)	48 W	0,21 A	12000 / 13000 Btu/h	8,2 kg
MSTCAU-09HRFN1-QRD0GW	24 W	0,11 A	9500 / 10500 Btu/h	7,7 kg
MSTCBU-12HRFN1-QRD0GW	24 W	0,11 A	12000 / 13000 Btu/h	8,5 kg
MSTCCU-18HRFN1-QRD0GW	34 W	0,14 A	18000 / 19000 Btu/h	11,4 kg
MSABAU-09HRDN1-QRC8GW	48 W	0,21 A	9000 / 10000 Btu/h	7,5 kg
MSABBU-12HRDN1-QRC8GW	48 W	0,21 A	12000 / 13000 Btu/h	8,2 kg
MSABDU-18HRDN1-QRC8GW	62 W	0,28 A	18000 / 18000 Btu/h	11,0 kg
MSABAU-07HRFN1-QRD0GW	24 W	0,11 A	7500 / 8000 Btu/h	7,5 kg
MSABAU-09HRFN1-QRD0GW	24 W	0,11 A	9000 / 10000 Btu/h	7,2 kg
MSABBU-12HRFN1-QRD0GW	24 W	0,11 A	12000 / 13000 Btu/h	8,1 kg
MSABDU-18HRFN1-QRD0GW	34 W	0,14 A	18000 / 19000 Btu/h	10,4 kg
MSMBAU-09HRFN1-QRD0GW	24 W	0,11 A	9000 / 10000 Btu/h	7,2 kg
MSMBBU-12HRFN1-QRD0GW	24 W	0,11 A	12000 / 13000 Btu/h	8,1 kg
MSMBCU-18HRFN1-QRD0GW	34 W	0,14 A	18000 / 19000 Btu/h	10,4 kg
MCA3I-07HRFN1-QRC8	50 W	0,22 A	7000 / 8000 Btu/h	14,5 kg

MCA3I-09HRFN1-QRC8	50 W	0,22 A	9000 / 10000 Btu/h	14,5 kg
MCA3U-12HRFN1-QRD0W	50 W	0,22 A	12000 / 14000 Btu/h	16,0 kg
MCA3I-18HRDN1-QRC8	102 W	0,44 A	18000 / 18000 Btu/h	16,1 kg
MTBU-12HWFN1-QRD0W	60 W	0,26 A	12000 / 12000 Btu/h	18,1 kg
MTBU-12HRFN1-QRC8W(B)	60 W	0,26 A	12000 / 12000 Btu/h	18,1 kg
MTB-18HWFN1-QRC8W(B)	100 W	0,37 A	18000 / 18000 Btu/h	23,0 kg
MUE-18HRFN1-QRC8W(B)	60 W	0,26 A	18000 / 18000 Btu/h	25,8 kg
MFAU-12HRFN1-QRC8W	40 W	0,17 A	12000 / 13000 Btu/h	15,0 kg
MFAU-12HRFN1-QRC8W(B)	40 W	0,17 A	12000 / 13000 Btu/h	15,0 kg
MTBI-07HWFN1-QRD0	30 W	0,13 A	7000 / 8000 Btu/h	--
MTBI-09HWFN1-QRD0	40 W	0,18 A	9000 / 11000 Btu/h	--
MS11MU-09HRFN1-QRD1GW	24 W	0,11 A	9000 / 10000 Btu/h	11,5 kg
MS11MU-12HRFN1-QRD1GW	24 W	0,11 A	12600 / 13200 Btu/h	11,5 kg
MSAEAU-09HRFN1-QRD0GW	24 W	0,11 A	9000 / 10000 Btu/h	9,3 kg
MSAEBU-12HRFN1-QRD0GW	24 W	0,11 A	12000 / 13000 Btu/h	10,2 kg
MSAECU-18HRFN1-QRD0GW	34 W	0,15 A	18000 / 19000 Btu/h	13,6 kg
MSAEDU-24HRFN1-QRD0GW	62 W	0,28 A	24000 / 26000 Btu/h	17,0 kg
MSVPBU-09HRFN1-QRD0GW	24 W	0,11 A	9000 / 10000 Btu/h	13,1 kg
MSVPBU-12HRFN1-QRD0GW	24 W	0,11 A	12000 / 13000 Btu/h	13,6 kg
MSVPCU-18HRFN1-QRD0GW	34 W	0,15 A	18000 / 19000 Btu/h	17,0 kg
MSVPDU-24HRFN1-QRD0GW	62 W	0,28 A	24000 / 25000 Btu/h	21,1 kg
MSAFAU-09HRDN1-QRD0GW	24 W	0,1 A	9000 / 10000 Btu/h	6,5 kg
MSAFBU-12HRDN1-QRD0GW	24 W	0,1 A	12000 / 13000 Btu/h	7,5 kg
MSAFCU-18HRFN1-QRD0GW	34 W	0,15 A	18000 / 19000 Btu/h	8,5 kg
MSAFDU-24HRFN1-QRD0GW	62 W	0,3 A	24000 / 25000 Btu/h	12,0 kg
MSMAAU-09HRDN1-QRD0GW	24 W	0,1 A	9000 / 10000 Btu/h	6,5 kg
MSMABU-12HRDN1-QRD0GW	24 W	0,1 A	12000 / 13000 Btu/h	7,5 kg
MSMACU-18HRFN1-QRD0GW	34 W	0,15 A	18000 / 19000 Btu/h	8,5 kg
MSMADU-24HRFN1-QRD0GW	62 W	0,3 A	24000 / 25000 Btu/h	12,0 kg

1) The Height of CE logo shall not be less than 5 mm; Height of WEEE logo shall not be less than 7 mm;
2) As declared by the applicant, the importer (and manufacturer, if it is different)'s name, registered trade name or registered trade mark and the postal address will be marked on the products before being place on the market. The contact details shall be in a language easily understood by end-users and market surveillance authorities.
3) Marking on the packaging or in a document accompanying the electrical equipment is only acceptable

if it is not possible to place such markings on the product.

Test item particulars ..... :	
Classification of installation and use ..... :	Fixed appliance for household use only
Supply Connection ..... :	A set of terminals for the connection of cables of fixed wiring
Possible test case verdicts:	
- test case does not apply to the test object .....:	N/A
- test object does meet the requirement .....:	P (Pass)
- test object does not meet the requirement .....:	F (Fail)
Testing .....:	
Date of receipt of test item.....:	2013-08-19, 2014-01-06, 2014-08-06, 2015-04-08, 2015-05-28, 2015-11-10, 2015-10-30, 2015-12-25, 2016-01-15, 2016-11-12, 2016-11-22, 2017-01-03, 2017-03-31, 2017-07-20, 2017-09-07, 2017-09-27, 2017-11-01
Date (s) of performance of tests .....:	2013-08-19 to 2013-10-28; 2014-05-10 to 2014-06-11 2014-08-06 to 2014-08-22; 2015-04-08 to 2015-04-28 2015-05-28 to 2015-06-17; 2015-11-03 to 2015-12-08 2015-12-25 to 2016-01-15; 2016-01-15 to 2016-02-03 2016-11-12 to 2016-11-17; 2016-11-25 to 2016-12-12 2017-01-03 to 2017-01-20; 2017-03-31 to 2017-07-21 2017-07-20 to 2017-07-24; 2017-09-07 to 2017-09-08 2017-09-27 to 2017-09-28; 2017-11-01 to 2017-11-10

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☒ comma / ☐ point is used as the decimal separator.

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 3 months only.

This TRF includes an appendix EMF containing the IEC/EN 62233 requirements (see below).

IEC 62233:2005 (1. Edition)
EN 62233:2008 (incl. Corr.1:2008)

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :

☐ Yes

☒ Not applicable

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies) .....: Same as applicant

General product information:

Multi split-type air conditioner for household use only.
Appliances have both cooling and heating functions, the refrigerant was R410a.
The cord installation or service shall be according to the national cord regulation.
After installed, the indoor units shall be complied with the product standards.
The properties of products series see the below tables:

Outdoor unit:

Model		Rated power (W)	Rated current (A)	Difference
One drives two (Maximum)	M2OD-14HFN1-Q	2000	11,0	---
	M2OE-14HFN1-Q	2000	11,0	---
	M2OF-14HFN1-Q	2650	11,0	Same as M2OE-14HFN1-Q except the compressor and PCB.
	WM2OE-14HFN1-Q	2000	11,0	Same as M2OE-14HFN1-Q except model name
	M2OD-16HFN1-Q	2400	11,0	---
	M2OD-18HFN1-Q	2700	14,5	---
	M2OE-18HFN1-Q	2600	14,0	Same as M2OD-18HFN1-Q except marking plate and construction
	M2OF-18HFN1-Q	2300	12,0	---
	WM2OF-18HFN1-Q	2300	12,0	Same as M2OF-18HFN1-Q except model name
	B-M2OF-18HFN1-Q	2300	12,0	Same as M2OF-18HFN1-Q except model name
One drives three (Maximum)	M3OD-21HFN1-Q	2800	15,0	Same as M2OD-18HFN1-Q except the different condenser and marking plate
	M3OE-21HFN1-Q	2800	15,0	---
	WM3OE-21HFN1-Q	2800	15,0	Same as M3OE-21HFN1-Q except model name
	B-M3OE-21HFN1-Q	2800	15,0	Same as M3OE-21HFN1-Q except model name
	M3OD-27HFN1-Q	3400	16,5	---
	M3OE-27HFN1-Q	3300	16,0	---
	WM3OE-27HFN1-Q	3300	16,0	---
	M3OD-26HFN1-Q	2800	15,0	---

One drives four (Maximum)	M4OD-28HFN1-Q	3500	17,0	Same as M3OD-27HFN1-Q except the different condenser and marking plate.
	M4OE-28HFN1-Q	3500	17,0	---
	WM4OE-28HFN1-Q	3500	17,0	Same as M4OE-28HFN1-Q except model name
	B-M4OE-28HFN1-Q	3500	17,0	Same as M4OE-28HFN1-Q except model name
	M4OA-36HFN1-Q	4600	21,5	---
	M4OB-36HFN1-Q	4600	21,5	---
	WM4OB-36HFN1-Q	4600	21,5	Same as M4OB-36HFN1-Q except model name
One drives five (Maximum)	M5OC-36HFN1-Q	4700	22,0	---
	M5OD-42HFN1-Q	5600	25,0	---
	M5OE-42HFN1-Q	4700	22,0	---
	WM5OE-42HFN1-Q	4700	22,0	Same as M5OE-42HFN1-Q except model name

Indoor unit:

Basal model *	Extended model *	Rated power (W)	Rated current (A)	Difference between basal model
MS11MI-07HRFN1-QW	---	24	0,11	Identical except the different marking plates
MS11MU-09HRFN1-QRD0W	MS11MU-09HRFN1-QRD0GW(A), MS11MU-09HRFN1-QRD0GW	24	0,11	
MS11MU-12HRFN1-QRD0W	MS11MU-12HRFN1-QRD0GW(B), MS11MU-12HRFN1-QRD0GW	24	0,11	
MS11MU-12HRFN1-QRD0W(B)	MS11MU-18HRFN1-QRD0GW(B)	24	0,11	
MS11MU-18HRFN1-QRC8W	MS11M-18HRFN1-QRC8Q1W	62	0,28	---
MS11MU-09HRFN1-QRD1GW	---	24	0,11	---
MS11MU-12HRFN1-QRD1GW	---	24	0,11	---
MS11PU-09HRFN1-QRD0W	---	24	0,11	Identical except the different marking plates
MS11PU-12HRFN1-QRC8W	---	24	0,11	
MS11P1U-12HRFN1-QRD0W	---	24	0,11	
MS11PU-18HRFN1-QW	---	24	0,11	Same as MS11PU-09HRFN1-QRD0W except the different size of evaporator and outlook
MS9AU-09HRDN1-QRC8W	---	45	0,2	---
MS9AU-12HRDN1-QRC8W	MS9AI-09HRDN1-QRC8	45	0,2	---
MS9AU-18HRFN1-QRC8W	---	34	0,14	---

MS9AI-07HRFN1-Q	MS9AI-07HRFN1-QRC8	24	0,11	Similar with MS11MU-09HRFN1-QRD0W except the different panel and main PCB
MTBI-07HRFN1-Q	MTBI-07HWFN1-QRC8	30	0,1	Identical except the different size of evaporators and marking plates
MTBI-09HRFN1-Q	MTBI-09HWFN1-QRC8	30	0,1	
MTBI-12HRFN1-Q	MTBU-12HWFN1-QRC8	40	0,13	
MTBI-18HWDN1-Q	---	107	0,48	---
MTBI-07HWFN1-QRD0	---	30	0,13	---
MTBI-09HWFN1-QRD0	---	40	0,18	---
MTBI-18HWDN1-QRC8	---	107	0,48	---
MCA2I-07HRFN1-Q	MCA2I-07HRFN1-QRC8	15	0,06	Identical except the different size of evaporators and marking plates
MCA2I-09HRFN1-Q	MCA2I-09HRFN1-QRC8	15	0,06	
MCA2I-12HRFN1-Q	MCA2U-12HRFN1-QRC8	20	0,08	
MCA2I-18HRDN1	---	102	0,44	---
MCA2I-18HRDN1-QRC8	---	102	0,44	---
MS12FI-07HRDN1-QRC8W	---	48	0,21	Identical except the different marking plates
MS12FU-09HRDN1-QRC8W	---	48	0,21	
MS12FU-12HRFN1-QRC8W	---	24	0,11	Identical except the different fan motor and marking plates
MS12FU-18HRFN1-QRC8W	---	34	0,14	
MS12FU-09HRDN1-QRC8GW	---	48	0,21	Identical except the different marking plates
MS12FU-12HRDN1-QRC8GW	---	48	0,21	
MS12FU-09HRFN1-QRD0GW	MS12FU-09HRFN1-QRD0GW(B)	24	0,11	Identical except the evaporator and marking plates
MS12FU-12HRFN1-QRD0GW	MS12FU-12HRFN1-QRD0GW(B)	24	0,11	
MS12FU-18HRFN1-QRC8GW	---	34	0,14	Same as MS12FU-18HRFN1-QRD0GW except the evaporator and marking plates
MS12FU-18HRFN1-QRD0GW	MS12FU-18HRFN1-QRD0GW(B)	34	0,14	---
MS12FU-09HRDN1-QRD0GW(B)	MSABAU-09HRDN1-QRC8GW, MS12FU-09HRDN1-QRD0GW	48	0,21	---
MS12FU-12HRDN1-QRD0GW(C)	MSABBU-12HRDN1-QRC8GW, MS12FU-12HRDN1-QRD0GW	48	0,21	---
MSTCAU-09HRFN1-QRD0GW	MSABAU-09HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBAU-09HRFN1-	24	0,11	Identical except the model name and appearance

	QRD0GW(B), MSTCAU-09HRFN1-QRD0GW(B), MSABAU-09HRFN1-QRD0GW(B), B-MSABAU-09HRFN1-QRD0GW(B), MSABAU-09HRFNX-QRD0GW, B-MSABAU-09HRFNX-QRD0GW			
MSTCBU-12HRFN1-QRD0GW	MSABBU-12HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW(B), MSTCBU-12HRFN1-QRD0GW(B), MSABBU-12HRFN1-QRD0GW(B), B-MSABBU-12HRFN1-QRD0GW(B), MSABBU-12HRFNX-QRD0GW, B-MSABBU-12HRFNX-QRD0GW	24	0,11	Identical except the model name and appearance
MSTCCU-18HRFN1-QRD0GW	MSABDU-18HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW(B), MSTCCU-18HRFN1-QRD0GW(E), MSABDU-18HRFN1-QRD0GW(B), B-MSABDU-18HRFN1-QRD0GW(B), MSABDU-18HRFNX-QRD0GW, B-MSABDU-18HRFNX-QRD0GW	34	0,14	Identical except the model name and appearance
MSABDU-18HRDN1-QRC8GW	---	62	0,28	---
MSABAU-07HRFN1-QRD0GW	MSABAU-07HRFN1-QRD0GW(B), B-MSABAU-07HRFN1-QRD0GW(B)	24	0,11	---
MCA3I-07HRFN1-QRC8	---	50	0,22	---
MCA3I-09HRFN1-QRC8	---	50	0,22	---
MCA3U-12HRFN1-QRD0W	MCA3U-12HRFN1-QRC8W(B)	50	0,22	---
MCA3I-18HRDN1-QRC8	MCA3-18HRFN1-QRC8W(B)	102	0,44	---
MTBU-12HWFN1-QRD0W	---	60	0,26	---
MTBU-12HRFN1-QRC8W(B)	---	60	0,26	---
MTB-18HWFN1-QRC8W(B)	---	100	0,37	---
MUE-18HRFN1-QRC8W(B)	---	60	0,26	---
MFAU-12HRFN1-QRC8W	---	40	0,17	---
MFAU-12HRFN1-QRC8W(B)	---	40	0,17	---
MSTCDU-24HRFN1-	MSTCDU-24HRFN1-	62	0,28	---

QRD0GW	QRD0GW(B), MSABEU-24HRFN1-QRD0GW(B), MSABEU-24HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW, MS12FU-24HRFN1-QRD0GW, MSABEU-24HRFNX-QRD0GW, B-MSABEU-24HRFNX-QRD0GW, MSMBDU-24HRFN1-QRD0GW(B)			
MSABEU-24HRDN1-QRC8GW	---	80	0,35	---
MTB-24HWFN1-QRC8W(B)	MTB-24HWFN1-QRC8W(D)	100	0,43	---
MSAEAU-09HRFN1-QRD0GW	MSAEAU-09HRFNX-QRD0GW	24	0,11	---
MSAEBU-12HRFN1-QRD0GW	MSAEBU-12HRFNX-QRD0GW	24	0,11	---
MSAECU-18HRFN1-QRD0GW	MSAECU-18HRFNX-QRD0GW	34	0,15	---
MSAEDU-24HRFN1-QRD0GW	MSAEDU-24HRFNX-QRD0GW	62	0,28	---
MSVPBU-09HRFN1-QRD0GW	---	24	0,11	---
MSVPBU-12HRFN1-QRD0GW	---	24	0,11	---
MSVPCU-18HRFN1-QRD0GW	---	34	0,15	---
MSVPDU-24HRFN1-QRD0GW	---	62	0,28	---
MSAFAU-09HRDN1-QRD0GW	MSMAAU-09HRDN1-QRD0GW	24	0,1	Identical except the model name and appearance
MSAFBU-12HRDN1-QRD0GW	MSMABU-12HRDN1-QRD0GW	24	0,1	Identical except the model name and appearance
MSAFCU-18HRFN1-QRD0GW	MSMACU-18HRFN1-QRD0GW	34	0,15	Identical except the model name and appearance
MSAFDU-24HRFN1-QRD0GW	MSMADU-24HRFN1-QRD0GW	62	0,3	Identical except the model name and appearance
MFAI-07HRFN1-QRC8	---	30	0,13	Identical except the different marking plates
MFAI-09HRFN1-QRC8	---	30	0,13	
MFAU-12HRFN1-QRC8	---	40	0,17	
MFAI-18HRFN1-QRC8	---	50	0,22	Identical with MFAI-09HRFN1-QRC8 except the different evaporator and marking plates
MSAFBU-07HRDN1-QRD0GW	MSAFBU-07HRDN8-QRD0GW; MSAFBU-07HRDNX-QRD0GW	20	--	Identical except the different marking plates
MSAFBU-09HRDN1-QRD0GW	MSAFBU-09HRDN8-QRD0GW; MSAFBU-09HRDNX-QRD0GW	20	--	
MSAFBU-12HRDN1-QRD0GW	MSAFBU-12HRDN8-QRD0GW; MSAFBU-12HRDNX-QRD0GW	20	--	---

MSAFCU-18HRFN1-QRD0GW	MSAFCU-18HRFN8-QRD0GW; MSAFCU-18HRFNX-QRD0GW	31	--	---
MSAFDU-24HRFN1-QRD0GW	MSAFDU-24HRFN8-QRD0GW; MSAFDU-24HRFNX-QRD0GW	42	--	---
MTIU-07HWFN1-QRD0W	MTIU-07HWFN8-QRD0W; MTIU-07HWFNX-QRD0W	170	1,0	Identical except the different marking plates
MTIU-09HWFN1-QRD0W	MTIU-09HWFN8-QRD0W; MTIU-09HWFNX-QRD0W	180	1,1	
MTIU-12HWFN1-QRD0W	MTIU-12HWFN8-QRD0W; MTIU-12HWFNX-QRD0W	185	1,1	
MCA3I-07HRFN1-QRD0	MCA3I-07HRFN8-QRD0; MCA3I-07HRFNX-QRD0	40	0,18	Identical with MCA3I-09HRFN1-QRC8 except the different marking plates
MCA3I-09HRFN1-QRD0	MCA3I-09HRFN8-QRD0; MCA3I-09HRFNX-QRD0	50	0,22	
MCA3U-12HRFN1-QRD0W	MCA3U-12HRFN8-QRD0W; MCA3U-12HRFNX-QRD0W	44	0,2	Identical with MCA3U-12HRFN1-QRC8W(B) except the different marking plates
MCA3U-18HRFN1-QRC8W	MCA3U-18HRFN8-QRC8W; MCA3U-18HRFNX-QRC8W	102	0,44	Identical with MCA3-18HRFN1-QRC8W(B) except the different marking plates

Mark: the extended model was same as basal model except the model name.

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
5	GENERAL CONDITIONS FOR THE TESTS		—
	Tests performed according to clause 5, e.g. nature of supply, sequence of testing, etc.		P
5.2	Tests of clause 21 carried out on separate samples. Tests of clauses 11, 19 and 21 require pressure measurements made at various points in refrigerating system (IEC 60335-2-40/A1)		P
	At least one additional specially prepared sample required for tests of annex FF (Leak simulation tests) (IEC 60335-2-40/A1)		N/A
	Temperatures on refrigerant piping measured during test of clause 11 (IEC 60335-2-40/A1)		P
5.6	Appropriate controls rendered inoperative during test (IEC 60335-2-40)		P
5.7	Tests of clauses 10 and 11 carried out under most severe operating conditions within operating temperature range specified by manufacturer. Annex AA provide examples of such temperature conditions (IEC 60335-2-40)		P
5.10	For split-package units, refrigerant lines installed in accordance with installation instructions (IEC 60335-2-40)		P
	Refrigerant line length is maximum length stated in installation instructions or (IEC 60335-2-40)		N/A
	7,5 m, whichever is shorter (IEC 60335-2-40)		P
	Thermal insulation of refrigerant lines applied in accordance with installation instructions (IEC 60335-2-40)		P
5.101	Motor-compressor subjected to relevant test of clause 19 of IEC 60335-2-34, unless (IEC 60335-2-40)		N/A
	motor-compressor comply with that standard (IEC 60335-2-40)		P
5.102	Motor-compressors tested and comply with IEC 60335-2-34 need not additionally tested for clause 21 (IEC 60335-2-40/A1)		P
6	CLASSIFICATION		—
6.1	Protection against electric shock: Class I, II, III (IEC 60335-2-40) .....:	Class I	P
6.2	Protection against harmful ingress of water, IP degree in accordance with IEC 60529 (IEC 60335-2-40)		—
	- appliances or parts intended for outdoor use be at least IPX4 (IEC 60335-2-40);		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	- appliances intended only for indoor use (excluding laundry rooms) be IPX0 (IEC 60335-2-40);		P
	- appliances intended to be used in laundry rooms be at least IPX1 (IEC 60335-2-40).		N/A
6.101	Degree of accessibility (accessible/not accessible to the general public) (IEC 60335-2-40)		P
7	MARKING AND INSTRUCTIONS		—
7.1	Rated voltage or voltage range (V).....:	220 V - 240 V	P
	Symbol for nature of supply including number of phases, unless for single phase operation (IEC 60335-2-40).....:	~	P
	Rated frequency (Hz).....:	50 Hz	P
	Rated power input (W), or.....:	Detail see marking plate	P
	Rated current (A) .....:	Detail see marking plate	P
	Manufacturer's or responsible vendor's name, trademark or identification mark.....:	Detail see marking plate	P
	Model or type reference .....:	Detail see marking plate	P
	Symbol IEC 60417-5172, for class II appliances		N/A
	IP number, other than IPX0.....:	Indoor unit: IPX0; Outdoor unit: IPX4;	P
	Symbol IEC 60417-5180, for class III appliances, unless		N/A
	the appliance is operated by batteries only		N/A
	Symbol IEC 60417-5036, for the enclosure of electrically-operated water valves in external hose-sets for connection of an appliance to the water mains, if the working voltage exceeds extra-low voltage		N/A
	Mass of refrigerant or of each refrigerant in blend (except for azeotropic type) (IEC 60335-2-40).....:		N/A
	Refrigerant identification (IEC 60335-2-40) .....:	See label	P
	Permissible excessive operating pressure for sanitary hot water heat pumps (IEC 60335-2-40).:		N/A
	Maximum operating pressure for heat exchanger for hydronic fan coil/air handling units (IEC 60335-2-40/A2) .....:	See label	P
	Permissible excessive operating pressure of refrigerant circuit for suction and discharge, if they differ (IEC 60335-2-40) .....:	See label	P
	Symbol for degree of protection against ingress of water, other than IPX0 (IEC 60335-2-40) .....:	Indoor unit: IPX0; Outdoor unit: IPX4;	P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Separate marking of appliances with all rated characteristics of supplementary heaters (IEC 60335-2-40).....:		N/A
	Marking of direction of fluid flow (IEC 60335-2-40)		N/A
	Flame symbol and instruction manual symbol of 7.6 visible when flammable refrigerant employed and following conditions exist (IEC 60335-2-40/A1):		—
	- accessing parts expected to be subjected to maintenance or repair (IEC 60335-2-40/A1);		N/A
	- observing appliance under sale or installed conditions (IEC 60335-2-40/A1);		N/A
	- observing appliance packaging, if appliance charged with refrigerant (IEC 60335-2-40/A1).		N/A
	If flammable refrigerant used, symbols for “read operator’s manual”, “operator’s manual; operating instructions” and “service indicator; read technical manual” (symbols 0790, 1641 and 1659 of ISO 7000) placed on appliance in location visible to persons required to know information. Perpendicular height be at least 10 mm (IEC 60335-2-40/A1 corr.1)		N/A
	Additional warning symbol (flame symbol: B.3.2 of ISO 3864) placed on nameplate of unit near declaration of refrigerant type and charge information. Perpendicular height be at least 10 mm, and symbol need not be in colour (IEC 60335-2-40/A1)		N/A
	Following warning also applied to appliance when flammable refrigerant employed. WARNING Appliance shall be installed, operated and stored in a room with a floor area larger than ‘X’ m² (only applies to appliances that are not fixed appliances) (IEC 60335-2-40/A1)		N/A
	Not fixed appliances, minimum room size X specified on appliance. X in marking determined in m² by procedure described in paragraph 2 of annex GG for unventilated areas and X in marking be 4 if refrigerant charge of appliance is less than m_1 (see annex GG, paragraph 1.1) (IEC 60335-2-40/A1)		N/A
	Maximum allowable pressure for low-pressure side and high-pressure side marked on product (IEC 60335-2-40/A1)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	If not already visible when accessing service port and if service port provided, service port marked to identify type of refrigerant. If refrigerant is flammable, symbol B.3.2 of ISO 3864, be included, without specifying the colour (IEC 60335-2-40/A1)		N/A
7.2	Warning for stationary appliances for multiple supply		N/A
	Warning placed in vicinity of terminal cover		N/A
7.3	Range of rated values marked with the lower and upper limits separated by a hyphen		P
	Different rated values marked with the values separated by an oblique stroke		N/A
7.4	Appliances adjustable for different rated voltages, the voltage setting is clearly discernible		N/A
	Requirement met if frequent changes are not required and the rated voltage to which the appliance is to be adjusted is determined from a wiring diagram		N/A
7.5	Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless		N/A
	the power input is related to the arithmetic mean value of the rated voltage range		P
	Relation between marking for upper and lower limits of rated power input or rated current and voltage is clear		N/A
7.6	Correct symbols used		P
	Flammable refrigerant, warning symbol B.3.2 of ISO 3864, including colour and format, permanently placed on appliance. Perpendicular height of triangle containing "Caution, risk of fire" symbol be at least 30 mm (IEC 60335-2-40/A1)		N/A
	Flammable refrigerant, symbol requiring reference to manual [0790 of ISO 7000], including colour and format, permanently placed on appliance (IEC 60335-2-40/A1 corr.1)		N/A
	Symbol for nature of supply placed next to rated voltage		P
	Symbol for class II appliances placed unlikely to be confused with other marking		N/A
	Units of physical quantities and their symbols according to international standardized system		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
7.7	Connection diagram fixed to appliances to be connected to more than two supply conductors and appliances for multiple supply, unless		N/A
	correct mode of connection is obvious		N/A
7.8	Except for type Z attachment, terminals for connection to the supply mains indicated as follows:		—
	- marking of terminals exclusively for the neutral conductor (letter N)		N/A
	- marking of protective earthing terminals (symbol IEC 60417-5019)		P
	- marking not placed on removable parts		P
7.9	Marking or placing of switches which may cause a hazard		N/A
7.10	Indications of switches on stationary appliances and controls on all appliances by use of figures, letters or other visual means .....:	By use of figures, letters or other visual means	P
	This applies also to switches which are part of a control		N/A
	If figures are used, the off position indicated by the figure 0		N/A
	The figure 0 indicates only OFF position, unless no confusion with the OFF position		N/A
7.11	Indication for direction of adjustment of controls		P
7.12	Instructions for safe use provided		P
	Details concerning precautions during user maintenance		P
	Appliances not accessible to general public, classification of clause 6.101 included (IEC 60335-2-40)		P
	Appliances using flammable refrigerants, an installation, service and operation manual, either separate or combined manuals, provided and include information given in annex DD (IEC 60335-2-40/A1)		N/A
	The instructions state that:		—
	- the appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction		P
	- children being supervised not to play with the appliance		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	For a part of class III construction supplied from a detachable power supply unit, the instructions state that the appliance is only to be used with the unit provided		N/A
	Instructions for class III appliances state that it must only be supplied at SELV, unless		N/A
	it is a battery-operated appliance, the battery being charged outside the appliance		N/A
7.12.1	Sufficient details for installation supplied		P
	For an appliance intended to be permanently connected to the water mains and not connected by a hose-set, this is stated		N/A
	Sufficient details for installation or maintenance supplied (IEC 60335-2-40):		—
	- that the appliance shall be installed in accordance with national wiring regulations (IEC 60335-2-40);		P
	- the dimensions of the space necessary for correct installation of the appliance including the minimum permissible distance to adjacent structures (IEC 60335-2-40);		P
	- for appliances with supplementary heaters, the minimum clearance from the appliance to combustible surfaces (IEC 60335-2-40);		N/A
	- a wiring diagram with a clear indication of the connections and wiring to external control devices and supply cord (IEC 60335-2-40);		P
	- the range of external static pressures at which the appliance was tested (add-on heat pumps and appliances with supplementary heaters only) (IEC 60335-2-40);		N/A
	- the method of connection to the appliance to the electrical supply and interconnection of separate components (IEC 60335-2-40);		P
	- indication of which parts of the appliance are suitable for outdoor use, if applicable (IEC 60335-2-40);		P
	- details of type and rating of fuses (IEC 60335-2-40);		P
	- details of supplementary heating elements that may be used in conjunction with the appliance, including fitting instructions either with the appliance or with the supplementary heater (IEC 60335-2-40);		N/A
	- maximum and minimum water or brine operating temperatures (IEC 60335-2-40);		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	- maximum and minimum water or brine operating pressures (IEC 60335-2-40).		N/A
	Open storage tanks of heat pumps for water heating, accompanied by an instruction sheet which state that the vent shall not be obstructed (IEC 60335-2-40)		N/A
7.12.2	Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules		P
7.12.3	Insulation of the fixed wiring in contact with parts exceeding 50 K during clause 11; instructions state that the fixed wiring must be protected		N/A
7.12.4	Instructions for built-in appliances:		—
	- dimensions of space		P
	- dimensions and position of supporting and fixing		P
	- minimum distances between parts and surrounding structure		P
	- minimum dimensions of ventilating openings and arrangement		P
	- connection to supply mains and interconnection of separate components		P
	- allow disconnection of the appliance after installation, by accessible plug or a switch in the fixed wiring, unless		N/A
	a switch complying with 24.3		N/A
7.12.5	Replacement cord instructions, type X attachment with a specially prepared cord		N/A
	Replacement cord instructions, type Y attachment		N/A
	Replacement cord instructions, type Z attachment		N/A
7.12.6	Caution in the instructions for appliances incorporating a non-self-resetting thermal cut-out that is reset by disconnection of the supply mains, if this cut-out is required to comply with the standard		N/A
7.12.7	Instructions for fixed appliances stating how the appliance is to be fixed		P
7.12.8	Instructions for appliances connected to the water mains:		—
	- max. inlet water pressure (Pa) .....:		N/A
	- min. inlet water pressure, if necessary (Pa).....:		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Instructions concerning new and old hose-sets for appliances connected to the water mains by detachable hose-sets		N/A
7.13	Instructions and other texts in an official language	English	P
7.14	Marking clearly legible and durable, rubbing test as specified		P
7.15	Markings on a main part		P
	Marking clearly discernible from the outside, if necessary after removal of a cover		P
	For portable appliances, cover can be removed or opened without a tool		N/A
	For stationary appliances, name, trademark or identification mark and model or type reference visible after installation		P
	For fixed appliances, name, trademark or identification mark and model or type reference visible after installation according to the instructions		P
	Indications for switches and controls placed on or near the components. Marking not on parts which can be positioned or repositioned in such a way that the marking is misleading		P
	Marking on panel allowed, provided panel in place for intended operation of appliance (IEC 60335-2-40)		N/A
7.16	Marking of a possible replaceable thermal link or fuse link clearly visible with regard to replacing the link		N/A
7.101	Marking of fuses and overload protective devices, if replaceable (IEC 60335-2-40):		—
	- fuse rated current in amperes, type and rated voltage or (IEC 60335-2-40)		N/A
	- manufacturer and model of overload protective device (IEC 60335-2-40)		N/A
7.102	Marking for connection with aluminium wire, if necessary (IEC 60335-2-40)		N/A
8	PROTECTION AGAINST ACCESS TO LIVE PARTS		—
8.1	Adequate protection against accidental contact with live parts		P
8.1.1	Requirement applies for all positions, detachable parts removed		P
	Lamps behind a detachable cover not removed, if conditions met		N/A
	Insertion or removal of lamps, protection against contact with live parts of the lamp cap		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Use of test probe B of IEC 61032, with a force not exceeding 1 N: no contact with live parts		P
	Use of test probe B of IEC 61032 through openings, with a force of 20 N: no contact with live parts		P
8.1.2	Use of test probe 13 of IEC 61032, with a force not exceeding 1 N, through openings in class 0 appliances and class II appliances/constructions: no contact with live parts		P
	Test probe 13 also applied through openings in earthed metal enclosures having a non-conductive coating: no contact with live parts		P
8.1.3	For appliances other than class II, use of test probe 41 of IEC 61032, with a force not exceeding 1 N: no contact with live parts of visible glowing heating elements		N/A
8.1.4	Accessible part not considered live if:		—
	- safety extra-low a.c. voltage: peak value not exceeding 42,4 V		N/A
	- safety extra-low d.c. voltage: not exceeding 42,4 V		N/A
	- or separated from live parts by protective impedance		N/A
	If protective impedance: d.c. current not exceeding 2 mA, and		N/A
	a.c. peak value not exceeding 0,7 mA		N/A
	- for peak values over 42,4 V up to and including 450 V, capacitance not exceeding 0,1 μF		N/A
	- for peak values over 450 V up to and including 15 kV, discharge not exceeding 45 μC		N/A
	- for peak values over 15kV, the energy in the discharge not exceeding 350 mJ		N/A
8.1.5	Live parts protected at least by basic insulation before installation or assembly:		—
	- built-in appliances		P
	- fixed appliances		P
	- appliances delivered in separate units		P
8.2	Class II appliances and constructions constructed so that there is adequate protection against accidental contact with basic insulation and metal parts separated from live parts by basic insulation only		P
	Only possible to touch parts separated from live parts by double or reinforced insulation		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
9	STARTING OF MOTOR-OPERATED APPLIANCES		—
	Requirements and tests are specified in part 2 when necessary		N/A
10	POWER INPUT AND CURRENT		—
10.1	Power input at normal operating temperature, rated voltage and normal operation not deviating from rated power input by more than shown in table 1 .:	(see appended table)	P
	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless		N/A
	the rated power input is related to the arithmetic mean value		P
10.2	Current at normal operating temperature, rated voltage and normal operation not deviating from rated current by more than shown in table 2.....:	(see appended table)	P
	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless		N/A
	the rated current is related to the arithmetic mean value of the range		P
11	HEATING		—
11.1	No excessive temperatures in normal use (IEC 60335-2-40)		P
	Compliance is checked by the tests of annex C, if (IEC 60335-2-40):		—
	- temperature of motor winding exceeds values shown in table 3 (IEC 60335-2-40)		N/A
	- there is doubt about classification of insulation system of the motor (IEC 60335-2-40)		N/A
11.2	Placing and mounting of appliance (IEC/EN 60335-2-40):		—
	- clearances to adjacent surfaces (IEC 60335-2-40);		P
	- flow rates for liquid source or sink equipment be minimum, except for fan coils where flow rates and liquid temperatures be maximum (IEC 60335-2-40/A2);		N/A
	- static pressures (IEC 60335-2-40);		N/A
	- means of adjusting the flow, flow for tests be minimum obtainable (IEC 60335-2-40);		N/A
	- adjustable limit controls set at maximum cut-out setting and minimum differential (IEC 60335-2-40).		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Appliances with supplementary heaters, use test casing of clause 11.9 (IEC 60335-2-40)		N/A
11.2.1	Appliances with supplementary heaters, inlet duct connected to inlet air opening (IEC 60335-2-40)		N/A
11.2.2	Appliance without supplementary heaters, air outlet used (IEC 60335-2-40)		N/A
11.3	Temperature rise determine by thermocouples or resistance method (IEC 60335-2-40)		P
11.4	Test performed at supply voltage between 0,94 and 1,06 times the rated voltage (IEC 60335-2-40)	(see appended table)	P
	Heating elements energized at voltage which gives an electrical input of 1,15 times maximum rated power input (IEC 60335-2-40)		N/A
11.5	Test conducted in heating mode and cooling mode, if both exist (IEC 60335-2-40)		P
	All supplementary heating elements operative simultaneously (IEC 60335-2-40)		N/A
11.6	Defrost test in most unfavourable conditions, if needed (IEC/EN 60335-2-40)		N/A
11.7	Appliances operated continuously until steady conditions except for defrost tests (IEC 60335-2-40)		P
11.8	Temperatures not exceeding values of table 3 (IEC 60335-2-40/A2)	(See appended tables)	P
	Protective devices do not operate (IEC 60335-2-40)		P
	Sealing compound not flowing out (IEC 60335-2-40)		P
	Temperature of air in outlet duct not exceed 90 °C (IEC 60335-2-40)		N/A
11.9	Test casing and installation of appliances in accordance with manufacturer's instructions (IEC 60335-2-40)		N/A
	Glass fibre insulation for appliances without indication of minimum clearances according to manufacturer; thermocouple in contact with enclosure (IEC 60335-2-40)		N/A
13	LEAKAGE CURRENT AND ELECTRIC STRENGTH AT OPERATING TEMPERATURE		—
13.1	Leakage current not excessive and electric strength adequate		P
	Heating appliances operated at 1,15 times the rated power input (W).....:		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Motor-operated appliances and combined appliances supplied at 1,06 times the rated voltage (V).....:	(see appended table)	P
	Protective impedance and radio interference filters disconnected before carrying out the tests		P
13.2	For class 0, class II and class III appliances, leakage current measured by means of the circuit described in figure 4 of IEC 60990	Class II construction	P
	For other appliances, a low impedance ammeter may be used		P
	Leakage current measurements .....: (IEC 60335-2-40)	(see appended table)	P
13.3	The appliance is disconnected from the supply		P
	Electric strength tests according to table 4 .....:	(see appended table)	P
	No breakdown during the tests		P
14	TRANSIENT OVERVOLTAGES		—
	Appliances withstand the transient over-voltages to which they may be subjected		N/A
	Clearances having a value less than specified in table 16 subjected to an impulse voltage test, the test voltage specified in table 6.....:		N/A
	No flashover during the test, unless		N/A
	of functional insulation if the appliance complies with clause 19 with the clearance short-circuited		N/A
15	MOISTURE RESISTANCE		—
15.1	Enclosure provides degree of moisture protection against ingress of water (rain, overflow from drain pan or defrosting), tests of clause 15.2, 15.3, 11.6 and 16) (IEC 60335-2-40)		P
	Motor-compressor not operated and detachable parts removed during tests of clause 15.2 and 15.3 (IEC 60335-2-40/A2)		P
15.2	Tests in accordance with IEC 60529 in appliances other than IPX0, as specified (IEC 60335-2-40) ...:	Indoor unit: IPX0; Outdoor unit: IPX4;	P
15.3	Drain pan filled to brim and subjected to continuous overflow and fan(s) switched on (IEC 60335-2-40)		P
15.101	Spillage test as specified (IEC 60335-2-40/A2)		N/A
	After spillage completed, appliance withstand test of clause 16 (IEC 60335-2-40/A2)		N/A
16	LEAKAGE CURRENT AND ELECTRIC STRENGTH		—
16.1	Leakage current not excessive and electric strength adequate		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Protective impedance disconnected from live parts before carrying out the tests		N/A
	Tests carried out at room temperature and not connected to the supply		P
16.2	Single-phase appliances: test voltage 1,06 times rated voltage (V).....:		P
	Three-phase appliances: test voltage 1,06 times rated voltage divided by √3 (V) .....:		N/A
	Leakage current measurements .....: (IEC 60335-2-40)	(see appended table)	P
	Limit values doubled if:		—
	- all controls have an off position in all poles, or		N/A
	- the appliance has no control other than a thermal cut-out, or		N/A
	- all thermostats, temperature limiters and energy regulators do not have an off position, or		N/A
	- the appliance has radio interference filters		N/A
	With the radio interference filters disconnected, the leakage current do not exceed limits specified .....:		N/A
16.3	Electric strength tests according to table 7 .....:	(see appended table)	P
	Test voltage applied between the supply cord and inlet bushing and cord guard and cord anchorage as specified .....:		N/A
	No breakdown during the tests		P
17	OVERLOAD PROTECTION OF TRANSFORMERS AND ASSOCIATED CIRCUITS		—
	No excessive temperatures in transformer or associated circuits in event of short-circuits likely to occur in normal use.....:	(see appended table)	P
	Appliance supplied with 1,06 or 0,94 times rated voltage under the most unfavourable short-circuit or overload likely to occur in normal use (V).....:	1,06 x 240 V = 254,4 V	P
	Basic insulation is not short-circuited		P
	Temperature rise of insulation of the conductors of safety extra-low voltage circuits not exceeding the relevant value specified in table 3 by more than 15 K		N/A
	Temperature of the winding not exceeding the value specified in table 8		P
	However, limits do not apply to fail-safe transformers complying with sub-clause 15.5 of IEC 61558-1		N/A
18	ENDURANCE		—

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Requirements and tests are specified in part 2 when necessary		N/A
19	ABNORMAL OPERATION		—
19.1	The risk of fire or mechanical damage under abnormal or careless operation obviated (tests 19.2-19.14) (IEC 60335-2-40)		P
	Failure of transfer medium flow or of any control device not result in a hazard (IEC 60335-2-40)		P
	Electronic circuits so designed and applied that a fault will not render the appliance unsafe (electric shock, fire or mechanical hazard, dangerous malfunction) (test 19.11 and 19.12) (IEC 60335-2-40)		P
19.2	Test of appliance with motor rotors, other than motor-compressors, operated for 15 days (360 h) or until protection device opens circuit (IEC 60335-2-40)		P
	Insulation of motor windings (IEC 60335-2-40).....:	(see appended table)	P
	Temperature of enclosure does not exceed (°C) (IEC 60335-2-40).....:	(see appended table)	P
	Temperature of the windings does not exceed the values shown in the table ; temperature (°C) (IEC 60335-2-40).....:	(see appended table)	P
	Electric strength test as specified in 16.3, 72 h after the beginning of the test (IEC 60335-2-40)		P
	30 mA residual current device does not open (IEC 60335-2-40)		P
	At the end, leakage current between windings and enclosure does not exceed 2 mA (IEC 60335-2-40)		P
19.3	Motor-compressor complies with IEC 60335-2-34 (IEC 60335-2-40)		P
	Test of motor-compressor with rotor locked as specified in clause 19.101 of IEC 60335-2-34 and comply with 19.104 of that standard (IEC 60335-2-40)		N/A
19.4	Test of three-phase motors operated under conditions of clause 11 with one phase disconnected until steady conditions or protective device operates (IEC 60335-2-40)		N/A
19.5	Test of appliance with heat transfer medium flow of the outdoor heat exchanger restricted or shut off when reaching steady conditions (IEC 60335-2-40)		P
	Test of appliance with heat transfer flow of the indoor heat exchanger restricted or shut off when reaching steady conditions (IEC 60335-2-40)		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Disconnection of motor common to both the outdoor and the indoor heat exchangers when reaching steady conditions (IEC 60335-2-40)		N/A
19.6	Test of appliances using water as heat transfer medium (IEC 60335-2-40)		N/A
19.7	Test of air to air appliances at rated voltage or at the upper limit of the rated voltage range. Dry-bulb temperature is 5 K below values specified by manufacturer (IEC 60335-2-40)		P
	Test with the dry-bulb temperature 10 K over the values specified by manufacturer (IEC 60335-2-40)		P
19.8	Test of appliances with supplementary heaters (IEC 60335-2-40)		N/A
19.9	Test at temperature permitting continuous operation of the motor-compressor and electric heating elements at same time (IEC 60335-2-40)		N/A
19.10	Test of appliance with any defect which expected during normal use (IEC 60335-2-40)	(see appended table)	P
19.10.101	Test of clause 19.10 repeated on class 0I appliances and class I appliances incorporating tubular sheathed or embedded heating elements (IEC 60335-2-40/A2)		N/A
	However, controls not short-circuited but one end of element connected to sheath of heating element (IEC 60335-2-40/A2)		N/A
	Test repeated with polarity of supply to appliance reversed and with other end of element connected to sheath (IEC 60335-2-40/A2)		N/A
	Test not carried out on appliances intended to permanently connected to fixed wiring and on appliances where an all-pole disconnection occurs during test of clause 19.10 (IEC 60335-2-40/A2)		N/A
19.11	Electronic circuits, compliance checked by evaluation of the fault conditions specified in clause 19.11.2 for all circuits or parts of circuits (IEC 60335-2-40), unless		P
	they comply with conditions specified in clause 19.11.1 (IEC 60335-2-40)		P
	Windings temperature not exceeding values shown in table 8 (IEC 60335-2-40)		P
	Appliance comply with conditions of clause 19.14 (IEC 60335-2-40)		P
	Appliance withstands test: a conductor becomes open circuited and three conditions are met (IEC 60335-2-40)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
19.11.1	Before applying the fault conditions a) to f) in 19.11.2, it is checked if circuits or parts of circuit meet both of following conditions (IEC 60335-2-40):		—
	- electronic circuit is low-power circuit, that is, maximum power at low-power points not exceed 15 W according to tests specified (IEC 60335-2-40)		P
	- protection against electric shock, fire hazard, mechanical hazard or dangerous malfunction in other parts of appliance does not rely on correct functioning of electronic circuit (IEC 60335-2-40)		P
19.11.2	Fault conditions applied one at a time, appliance operated under conditions specified in clause 11, but supplied at rated voltage, duration of tests as specified (IEC 60335-2-40):		—
	a) short circuit of creepage distances and clearances between live parts of different potential, if these distances less than values specified in clause 29.1, unless relevant part is adequately encapsulated (IEC 60335-2-40)		P
	b) open circuit at terminals of any component (IEC 60335-2-40)		P
	c) short circuit if capacitors, unless they comply with IEC 60384-14 (IEC 60335-2-40)		P
	d) short circuit of any two terminals of an electronic component, other than integrated circuits. This fault condition not applied between circuits of an optocoupler (IEC 60335-2-40)		P
	e) failure of triacs in diode mode (IEC 60335-2-40)		N/A
	f) failure of an integrated circuit. Possible hazardous situations of appliance assessed to ensure that safety not rely on correct functioning of such component (IEC 60335-2-40)		P
	Short-circuit of low-power circuits (IEC 60335-2-40)		P
	Duration of tests (IEC 60335-2-40):		—
	- as specified in clause 11.7 but only for one operating cycle, if fault cannot recognised by user (IEC 60335-2-40);		P
	- as specified in clause 19.2, if fault can recognised by user (IEC 60335-2-40);		P
	- until steady conditions established (IEC 60335-2-40).		P
	Test ended if interruption of supply occurs within the appliance (IEC 60335-2-40)		P
	If electronic circuit operates to ensure compliance with clause 19, relevant test repeated with single fault a) to f) simulated (IEC 60335-2-40)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Fault condition f) applied to encapsulated or similar components (IEC 60335-2-40)		P
	PTC's, NTC's and VDR's resistors not short-circuited if used as specified by manufacturer (IEC 60335-2-40)		N/A
19.12	If safety of appliance for any of fault conditions specified in clause 19.11.2 depends on operation of miniature fuse-link complying with IEC 60127, test repeated with fuse-link replaced by an ammeter (IEC 60335-2-40)		P
	Current ≤ 2,1 times rated current of fuse-link, circuit not adequately protected (fuse-link short-circuited) (IEC 60335-2-40)		N/A
	Current ≥ 2,75 times rated current of fuse-link, circuit adequately protected (IEC 60335-2-40)		P
	Current ≥ 2,1 and ≤ 2,75 times rated current, fuse-link short-circuited and test carried out during specified time (IEC 60335-2-40)		N/A
19.13	Appliances with PTC heating elements test as specified (IEC 60335-2-40)		N/A
19.14	During tests of clause 19.2 to 19.10.101 and 19.11, 19.12 and 19.13 if appropriate, appliances not emit flames, molten metal, poisonous or ignitable gas in hazardous amounts (IEC 60335-2-40/A2)		P
	Enclosures not deform (IEC 60335-2-40)		P
	Temperature rise not exceed values shown in table 9 (IEC 60335-2-40)	(See appended table)	P
	Electric strength test, test voltage as specified in table 4 (IEC 60335-2-40)		P
19.15	For appliances with a mains voltage selector switch, the switch is set to the lowest rated voltage position and the highest value of rated voltage is applied		N/A
19.101	All appliances provided with supplementary heaters and free air discharge subjected to specified test in each mode of operation (IEC 60335-2-40/A2)		N/A
	During test temperature not exceed 150 °C but an overshoot of 25 °C is permitted during first hour (IEC 60335-2-40/A2)		N/A
20	STABILITY AND MECHANICAL HAZARDS		—
20.1	Appliances having adequate stability		N/A
	Tilting test through an angle of 10°, appliance placed on an inclined plane/horizontal support, not connected to the supply mains; appliance does not overturn		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Tilting test repeated on appliances with heating elements, angle of inclination increased to 15°		N/A
	Possible heating test in overturned position; temperature rise does not exceed values shown in table 9		N/A
20.2	Moving parts adequately arranged or enclosed as to provide protection against personal injury		P
	Protective enclosures, guards and similar parts are non-detachable, and		P
	have adequate mechanical strength		P
	Enclosures that can be opened by overriding an interlock are considered to be detachable parts		N/A
	Self-resetting thermal cut-outs and overcurrent protective devices not causing a hazard by unexpected closure		P
	Not possible to touch dangerous moving parts with the test probe described		P
21	MECHANICAL STRENGTH		—
21.1	Appliance has adequate mechanical strength and is constructed as to withstand rough handling		P
	Checked by applying 3 blows to every point of the enclosure like to be weak, in accordance with test Ehb of IEC 60068-2-75, spring hammer test, with an impact energy of 0,5 J	(see appended table)	P
	The appliance shows no damage impairing compliance with this standard, and		P
	compliance with 8.1, 15.1 and clause 29 not impaired		N/A
	If doubt, supplementary or reinforced insulation subjected to the electric strength test of 16.3		N/A
	If necessary, repetition of groups of three blows on a new sample		N/A
	Safety requirements specified in annex EE applied. Pressure test in annex EE applies to parts other than pressure vessels (IEC 60335-2-40/A1)		P
	Safety requirements of ISO 5149 applied (IEC 60335-2-40/A2)		P
21.2	Accessible parts of solid insulation having strength to prevent penetration by sharp implements		P
	Test not applicable if the thickness of supplementary insulation is at least 1 mm and reinforced insulation at least 2 mm		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	The insulation is tested as specified, and does withstand the electric strength test of 16.3		N/A
22	CONSTRUCTION		—
22.1	Appliance marked with the first numeral of the IP system, relevant requirements of IEC 60529 are fulfilled		N/A
22.2	Stationary appliance: means to ensure all-pole disconnection from the supply being provided:		—
	- a supply cord fitted with a plug, or		N/A
	- a switch complying with 24.3, or		N/A
	- a statement in the instruction sheet that a disconnection incorporated in the fixed wiring is to be provided, or		P
	- an appliance inlet		N/A
	Singe-pole switches and single-pole protective devices for the disconnection of heating elements in single-phase, permanently connected class 01 and class I appliances, connected to the phase conductor		N/A
22.3	Appliance provided with pins: no undue strain on socket-outlets		N/A
	Applied torque not exceeding 0,25 Nm		N/A
	Pull force of 50 N to each pin after the appliance has being placed in the heating cabinet; when cooled to room temperature the pins are not displaced by more than 1 mm		N/A
	Each pin subjected to a torque of 0,4 Nm; the pins are not rotating, unless		N/A
	rotating does not impair compliance with this standard		N/A
22.4	Appliance for heating liquids and appliance causing undue vibration not provided with pins for insertion into socket-outlets		P
22.5	No risk of electric shock when touching the pins of the plug, for appliances having a capacitor with rated capacitance exceeding 0,1 μF, the appliance being disconnected from the supply at the instant of voltage peak		N/A
	Voltage not exceeding 34 V (V) .....:		N/A
22.6	Electrical insulation not affected by condensing water or leaking liquid		P
	Electrical insulation of class II appliances not affected if a hose ruptures or seal leaks		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	In case of doubt, test as described		N/A
	Electrical insulation not affected by snow penetration to appliance enclosure (IEC 60335-2-40)		P
22.7	Adequate safeguards against the risk of excessive pressure in appliances containing liquid or gases or having steam-producing devices		N/A
22.8	Electrical connections not subject to pulling during cleaning of compartments to which access can be gained without the aid of a tool, and that are likely to be cleaned in normal use		P
22.9	Insulation, internal wiring, windings, commutators and slip rings not exposed to oil, grease or similar substances, unless		P
	the substance has adequate insulating properties		P
22.10	Not possible to reset voltage-maintained non-self-resetting thermal cut-outs by the operation of an automatic switching device incorporated within the appliance, if:		N/A
	- a non-self-resetting thermal cut-out is required by the standard, and		N/A
	- a voltage maintained non-self-resetting thermal cut-out is used to meet it		N/A
	Non-self-resetting thermal motor protectors have a trip-free action, unless		N/A
	they are voltage maintained		N/A
	Reset buttons of non-self-resetting controls so located or protected that accidental resetting is unlikely		N/A
22.11	Reliable fixing of non-detachable parts that provide the necessary degree of protection against electric shock, moisture or contact with moving parts		P
	Obvious locked position of snap-in devices used for fixing such parts		N/A
	No deterioration of the fixing properties of snap-in devices used in parts that are likely to be removed during installation or servicing		N/A
	Tests as described		P
22.12	Handles, knobs etc. fixed in a reliable manner		P
	Fixing in wrong position of handles, knobs etc. indicating position of switches or similar components not possible		P
	Axial force 15 N applied to parts, the shape being so that an axial pull is unlikely to be applied		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Axial force 30 N applied to parts, the shape being so that an axial pull is likely to be applied		P
22.13	Unlikely that handles, when gripped as in normal use, make the operator's hand touch parts having a temperature rise exceeding the value specified for handles which are held for short periods only		N/A
22.14	No ragged or sharp edges creating a hazard for the user in normal use, or during user maintenance		P
	No exposed pointed ends of self-tapping screws or other fasteners, likely to be touched by the user in normal use or during user maintenance		P
22.15	Storage hooks and the like for flexible cords smooth and well rounded		N/A
22.16	Automatic cord reels cause no undue abrasion or damage to the sheath of the flexible cord, no breakage of conductors strands and no undue wear of contacts		N/A
	Cord reel tested with 6000 operations, as specified		N/A
	Electric strength test of 16.3, voltage of 1000 V applied		N/A
22.17	Spacers not removable from the outside by hand or by means of a screwdriver or a spanner		N/A
22.18	Current-carrying parts and other metal parts resistant to corrosion		P
22.19	Driving belts not relied upon to provide the required level of insulation, unless		N/A
	constructed to prevent inappropriate replacement		N/A
22.20	Direct contact between live parts and thermal insulation effectively prevented, unless		N/A
	material used is non-corrosive, non-hygroscopic and non-combustible		N/A
22.21	Wood, cotton, silk, ordinary paper and fibrous or hygroscopic material not used as insulation, unless		P
	impregnated		N/A
	This requirement does not apply to magnesium oxide and mineral ceramic fibres used for the electrical insulation of heating elements		N/A
22.22	Appliances not containing asbestos		P
22.23	Oils containing polychlorinated biphenyl (PCB) not used		P
22.24	Bare heating elements adequately supported to prevent contact with accessible metal parts in case of rupture or sagging (IEC 60335-2-40)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Bare heating elements only used with metal enclosures (wood or composite enclosures not allowed) (IEC 60335-2-40)		N/A
22.25	Sagging heating conductors, except in class III appliances or class III constructions that do not contain live parts, cannot come into contact with accessible metal parts		N/A
22.26	For class III constructions the insulation between parts operating at safety extra-low voltage and other live parts complies with the requirements for double or reinforced insulation		N/A
22.27	Parts connected by protective impedance separated by double or reinforced insulation		N/A
22.28	Metal parts of class II appliances conductively connected to gas pipes or in contact with water, separated from live parts by double or reinforced insulation		N/A
22.29	Class II appliances permanently connected to fixed wiring so constructed that the required degree of access to live parts is maintained after installation		N/A
22.30	Parts serving as supplementary or reinforced insulation fixed so that they cannot be removed without being seriously damaged, or		N/A
	so constructed that they cannot be replaced in an incorrect position, and so that if they are omitted, the appliance is rendered inoperable or manifestly incomplete		P
22.31	Neither clearances nor creepage distances over supplementary and reinforced insulation reduced below values specified in clause 29 as a result of wear		P
	Neither clearances nor creepage distances between live parts and accessible parts reduced below values for supplementary insulation if wires, screws etc. become loose		P
22.32	Supplementary and reinforced insulation constructed or protected against pollution so that clearances or creepage distances are not reduced below the values in clause 29		P
	Supplementary insulation of natural or synthetic rubber resistant to ageing, or arranged and dimensioned so that creepage distances are not reduced below values specified in 29.2		N/A
	Ceramic material not tightly sintered, similar materials or beads alone not used as supplementary or reinforced insulation		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Insulating material in which heating conductors are embedded is considered to be basic insulation, not reinforced insulation		N/A
	Oxygen bomb test at 70 °C for 96 h and 16 h at room temperature		N/A
22.33	Conductive liquids that are or may become accessible in normal use and conductive liquids that are in contact with unearthed accessible metal parts are not in direct contact with live parts		P
	Electrodes not used for heating liquids		N/A
	For class II constructions, conductive liquids that are or may become accessible in normal use and conductive liquids that are in contact with unearthed accessible metal parts, not in direct contact with basic or reinforced insulation, unless		P
	the reinforced insulation consists of at least 3 layers		N/A
	For class II constructions, conductive liquids which are in contact with live parts, not in direct contact with reinforced insulation, unless		N/A
	the reinforced insulation consists of at least 3 layers		N/A
	An air layer not used as basic or supplementary insulation in a double insulation system if likely to be bridged by leaking liquid		P
22.34	Shafts of operating knobs, handles, levers etc. not live, unless		P
	the shaft is not accessible when the part is removed		N/A
22.35	For other than class III constructions, handles, levers and knobs, held or actuated in normal use, not becoming live in the event of a failure of basic insulation		N/A
	Such parts being of metal, and their shafts or fixings are likely to become live in the event of a failure of basic insulation, are either adequately covered by insulation material or their accessible parts are separated from their shafts or fixings by supplementary insulation		N/A
	This requirement does not apply to handles, levers and knobs on stationary appliances, other than those of electrical components, provided they are reliably connected to an earthing terminal or earthing contact, or separated from live parts by earthed metal		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Insulating material covering metal handles, levers and knobs withstand the electric strength test of 16.3 for supplementary insulation		N/A
22.36	For appliances other than class III, handles continuously held in the hand in normal use so constructed that when gripped as in normal use, the operators hand is not likely to touch metal parts, unless		N/A
	they are separated from live parts by double or reinforced insulation		N/A
22.37	Capacitors in class II appliances not connected to accessible metal parts and their casings, if of metal, separated from accessible metal parts by supplementary insulation, unless		N/A
	the capacitors comply with 22.42		N/A
22.38	Capacitors not connected between the contacts of a thermal cut-out		P
22.39	Lamp holders used only for the connection of lamps		N/A
22.40	Motor-operated appliances and combined appliances intended to be moved while in operation, or having accessible moving parts, fitted with a switch to control the motor. The actuating member of the switch being easily visible and accessible		N/A
	If the appliance cannot operate continuously, automatically or remotely without giving rise to a hazard, appliances for remote operation being fitted with a switch for stopping the operation. The actuating member of the switch being easily visible and accessible		N/A
22.41	No components, other than lamps, containing mercury		P
22.42	Protective impedance consisting of at least two separate components		N/A
	Values specified in 8.1.4 not exceeded if any one of the components are short-circuited or open-circuited		N/A
	Resistors checked by the test of 14.1 a) in IEC 60065		N/A
	Capacitors checked by the tests for class Y capacitors in IEC 60384-14		N/A
22.43	Appliances adjustable for different voltages, accidental changing of the setting of the voltage unlikely to occur		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
22.44	Appliances not having an enclosure that is shaped or decorated like a toy		P
22.45	When air is used as reinforced insulation, clearances not reduced below the values specified in 29.1.3 due to deformation as a result of an external force applied to the enclosure		P
22.46	For programmable protective electronic circuits used to ensure compliance with the standard, the software contains measures to control the fault/error conditions in table R.1		N/A
	Software that contains measures to control the fault/error conditions specified in table R.2 is to be specified in parts 2 for particular constructions or to address specific hazards		N/A
	These requirements are not applicable to software used for functional purpose or compliance with clause 11		N/A
22.47	Appliances connected to the water mains withstand the water pressure expected in normal use		N/A
	No leakage from any part, including any inlet water hose		N/A
22.48	Appliances connected to the water mains constructed to prevent backsiphonage of non-potable water		N/A
22.49	For remote operation, the duration of operation is to be set before the appliance can be started, unless		N/A
	the appliance switches off automatically or can operate continuously without hazard		N/A
22.50	Controls incorporated in the appliance take priority over controls actuated by remote operation		N/A
22.51	There is a control on the appliance manually adjusted to the setting for remote operation before the appliance can be operated in this mode		N/A
	There is a visual indication showing that the appliance is adjusted for remote operation		N/A
	These requirements not necessary on appliances that can operate as follows, without giving rise to a hazard:		—
	- continuously, or		N/A
	- automatically, or		N/A
	- remotely		N/A
22.52	Socket-outlets on appliances accessible to the user in accordance with the socket-outlet system used in the country in which the appliance is sold		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
22.101	Appliances intended to be fixed, securely fixed (IEC 60335-2-40)		P
22.102.1	At least two thermal cut-outs in appliances with supplementary heating elements for air (first one be self-resetting and other non-self-resetting thermal cut-out) (IEC 60335-2-40/A2)		N/A
22.102.2	Appliances provided with supplementary heaters for water incorporate non-self-resetting thermal cut-out, providing all-pole disconnection that operates separately from water thermostats (IEC 60335-2-40/A2)		N/A
	However, for appliances intended to be connected to fixed wiring, the neutral conductor need not be disconnected (IEC 60335-2-40/A2)		N/A
22.102.3	Thermal cut-outs of capillary type open in event of leakage from capillary tube (IEC 60335-2-40/A2)		N/A
22.103	Non-self-resetting cut-outs independent of other control devices (IEC 60335-2-40)		N/A
22.104	Containers of sanitary hot water heat pumps withstand twice permissible operating pressure in closed containers (IEC 60335-2-40) or		N/A
	0,15 MPa in open containers (IEC 60335-2-40)		N/A
	without leakage or rupture (IEC 60335-2-40)		N/A
22.105	Air or vapour cushion in closed containers not exceeding 10 % (IEC 60335-2-40)		N/A
22.106	Pressure relief devices operating at 0,1 MPa over permissible operating pressure (IEC 60335-2-40)		N/A
22.107	Water outlet systems of open containers free from obstruction causing over-pressure (IEC 60335-2-40)		N/A
	Vented containers of sanitary hot water heat pumps always open to the atmosphere through appropriate aperture (IEC 60335-2-40)		N/A
22.108	Not vented open containers subjected to test in accordance with clause 22.104 to vacuum of 33 kPa for 15 min (IEC 60335-2-40)		N/A
	Container show no deformation which result in a hazard (IEC 60335-2-40)		N/A
22.109	Replacement of non-self-resetting thermal cut-outs does not damage other connections (IEC 60335-2-40)		N/A
22.110	Non-self-resetting thermal cut-outs operate without short-circuiting live parts of different potential and without causing contact between live parts and enclosure (IEC 60335-2-40)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Test repeated five times without blowing 3 A fuse which connects appliance to earth (IEC 60335-2-40)		N/A
	Electric strength test as specified in clause 16.3 for supplementary heating elements (IEC 60335-2-40)		N/A
22.111	Manual resetting of thermostats not necessary after power supply interruption (IEC 60335-2-40)		P
22.112	Construction of refrigerating system comply with requirements of Section 3 of ISO 5149 (IEC 60335-2-40/A1)		P
22.113	Flammable refrigerant used, refrigerant tubing protected or enclosed to avoid mechanical damage (IEC 60335-2-40/A1)		N/A
	Tubing protected to extent that it will not be handled or used for carrying during moving of product (IEC 60335-2-40/A1)		N/A
	Tubing located within confines of cabinet considered to be protected from mechanical damage (IEC 60335-2-40/A1)		N/A
22.114	Flammable refrigerant used, low temperature solder alloys, such as lead/tin alloys, not acceptable for pipe connections (IEC 60335-2-40/A1)		N/A
22.115	Total refrigerant mass (M) of all refrigerating systems within appliance employing flammable refrigerants, not exceed m_3 defined in annex GG (IEC 60335-2-40/A1)		N/A
22.116	Appliances using flammable refrigerants constructed that any leaked refrigerant not flow or stagnate so as to cause fire or explosion hazard in areas within appliance where electrical components, which could be a source of ignition and which could function under normal conditions or in event of leak, fitted (IEC 60335-2-40/A1)		N/A
	Separate components, such as thermostats, which charged with less than 0,5 g of flammable gas not considered to cause fire or explosion hazard in event of leakage of gas within component itself (IEC 60335-2-40/A1)		N/A
	All electrical components that could be a source of ignition and which could function under normal conditions or in the event of a leak, comply with one of the following (IEC 60335-2-40/A1):		—
	- IEC 60079-15:2001, Cl. 9 to 26, for group IIA gases or the refrigerant used or an applicable standard that makes electrical components suitable for use in Zone 2, 1 or 0 as defined in IEC 60079-14 (IEC 60335-2-40/A1)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- Not be located in an area where a potentially flammable gas mixture will accumulate as demonstrated by the test of annex FF (IEC 60335-2-40/A1)		N/A
	- Be located in an enclosure. The enclosure containing the electrical components comply with IEC 60079-15:2001 for enclosures suitable for use with group IIA gases or the refrigerant used (IEC 60335-2-40/A1)		N/A
22.117	Temperatures on surfaces that exposed to leakage of flammable refrigerants not exceed auto-ignition temperature of refrigerant reduced by 100 K; some typical values given in annex BB (IEC 60335-2-40/A1)		N/A
22.118	Flammable refrigerant used, all appliances charged with refrigerant at manufacturing location or charged on site as recommended by manufacturer (IEC 60335-2-40/A1)		N/A
	Part of appliance that charged on site, which requires brazing or welding in installation not shipped with flammable refrigerant charge. Joints made in installation between parts of refrigerating system, with at least one part charged, made in accordance with following (IEC 60335-2-40/A1):		—
	- A brazed, welded, or mechanical connection shall be made before opening the valves to permit refrigerant to flow between the refrigerating system parts. A vacuum valve shall be provided to evacuate the interconnecting pipe and/or any uncharged refrigerating system part (IEC 60335-2-40/A1)		N/A
	- Reusable mechanical connectors and flared joints are not allowed indoors (IEC 60335-2-40/A1)		N/A
	- Refrigerant tubing shall be protected or enclosed to avoid damage (IEC 60335-2-40/A1)		N/A
	Flexible refrigerant connectors (such as connecting lines between the indoor and outdoor unit) that may be displaced during normal operations shall be protected against mechanical damage (IEC 60335-2-40/A1)		N/A
23	INTERNAL WIRING		—
23.1	Wireways smooth and free from sharp edges		P
	Wires protected against contact with burrs, cooling fins etc.		P
	Wire holes in metal well-rounded or provided with bushings		P
	Wiring effectively prevented from coming into contact with moving parts		P

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Clause	Requirement + Test	Result - Remark	Verdict
23.2	Beads etc. on live wires cannot change their position, and are not resting on sharp edges		N/A
	Beads inside flexible metal conduits contained within an insulating sleeve		N/A
23.3	Electrical connections and internal conductors movable relatively to each other not exposed to undue stress		N/A
	Flexible metallic tubes not causing damage to insulation of conductors		N/A
	Open-coil springs not used		N/A
	Adequate insulating lining provided inside a coiled spring, the turns of which touch one another		N/A
	No damage after 10 000 flexings for conductors flexed during normal use, or		N/A
	100 flexings for conductors flexed during user maintenance		N/A
	Electric strength test of 16.3, 1000 V between live parts and accessible metal parts		N/A
	Not more than 10 % of the strands of any conductor broken, and		N/A
	not more than 30 % for wiring supplying circuits that consume no more than 15 W		N/A
23.4	Bare internal wiring sufficiently rigid and fixed		N/A
23.5	The insulation of internal wiring subjected to the supply mains voltage withstanding the electrical stress likely to occur in normal use		P
	Basic insulation electrically equivalent to the basic insulation of cords complying with IEC 60227 or IEC 60245, or		N/A
	no breakdown when a voltage of 2000 V is applied for 15 min between the conductor and metal foil wrapped around the insulation		P
23.6	Sleeving used as supplementary insulation on internal wiring retained in position by clamping at both ends, or		P
	be such that it can only be removed by breaking or cutting		N/A
23.7	The colour combination green/yellow only used for earthing conductors		P
23.8	Aluminium wires not used for internal wiring		P
23.9	Stranded conductors not consolidated by soldering where they are subjected to contact pressure, unless		P

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Clause	Requirement + Test	Result - Remark	Verdict
	the contact pressure is provided by spring terminals		N/A
23.10	The insulation and sheath of internal wiring, incorporated in external hoses for the connection of an appliance to the water mains, at least equivalent to that of light polyvinyl chloride sheathed flexible cord (60227 IEC 52)		N/A
24	COMPONENTS		—
24.1	Components comply with safety requirements in relevant IEC standards		P
	List of components .....:	(see appended table)	P
	If components have not been tested and found to comply with relevant IEC standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		P
	For components mentioned in 24.1.1 to 24.1.9 no additional tests specified in the relevant component standard are necessary other than those specified in 24.1.1 to 24.1.9		N/A
	Components not tested and found to comply with relevant IEC standard and components not marked or not used in accordance with its marking, tested under the conditions occurring in the appliance		P
	Lampholders and starterholders that have not being tested and found to comply with the relevant IEC standard, tested as a part of the appliance and additionally according to the gauging and interchangeability requirements of the relevant IEC standard		N/A
	No additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of IEC 60320-1 and IEC 60309		N/A
	Motor-compressors not tested according to IEC 60335-2-34 (not necessary to meet all requirements of IEC 60335-2-34) (IEC 60335-2-40)		N/A
24.1.1	Capacitors likely to be permanently subjected to the supply voltage and used for radio interference suppression or for voltage dividing, complying with IEC 60384-14		P
	If the capacitors have to be tested, they are tested according to annex F		N/A
24.1.2	Safety isolating transformers complying with IEC 61558-2-6		N/A
	If they have to be tested, they are tested according to annex G		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
24.1.3	Switches complying with IEC 61058-1, the number of cycles of operation being at least 10 000		N/A
	If they have to be tested, they are tested according to annex H		N/A
	If the switch operates a relay or contactor, the complete switching system is subjected to the test		N/A
	If the switch only operates a motor staring relay complying with IEC 60730-2-10 with the number of cycles of a least 10 000 as specified, the complete switching system need not be tested		N/A
24.1.4	Automatic controls complying with IEC 60730-1 with the relevant part 2. The number of cycles of operation being at least:		—
	- thermostats:..... 10 000		N/A
	- temperature limiters: 1 000		N/A
	- self-resetting thermal cut-outs: 300		N/A
	- voltage maintained non-self-resetting thermal cut-outs: 1 000		N/A
	- other non-self-resetting thermal cut-outs:..... 30		N/A
	- timers:.....3 000		N/A
	- energy regulators: 10 000		N/A
	- thermostats which control motor-compressor (IEC/EN 60335-2-40): 100 000		N/A
	- motor-compressor starting relays (IEC/EN 60335-2-40): 100 000		N/A
	- automatic thermal motor-protectors for hermetic and semi-hermetic type motor-compressors (not less than number of operations during locked rotor test) (IEC/EN 60335-2-40): .....min 2000		N/A
	- manual reset thermal motor-protectors for hermetic and semi-hermetic type motor-compressors (IEC/EN 60335-2-40): 50		N/A
	- other automatic thermal motor-protectors (IEC/EN 60335-2-40): 2000		N/A
	- other manual reset thermal motor-protectors (IEC/EN 60335-2-40): 30		N/A
	The number of cycles for controls operating during clause 11 need not be declared, if the appliance meets the requirements of this standard when they are short-circuited		N/A
	Thermal motor protectors are tested in combination with their motor under the conditions specified in annex D		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	For water valves containing live parts and that are incorporated in external hoses for connection of an appliance to the water mains, the degree of protection declared for subclause 6.5.2 of IEC 60730-2-8 is IPX7		N/A
24.1.5	Appliance couplers complying with IEC 60320-1		N/A
	However, for appliances classified higher than IPX0, the appliance couplers complying with IEC 60320-2-3		N/A
	Interconnection couplers complying with IEC 60320-2-2		N/A
24.1.6	Small lamp holders similar to E10 lampholders complying with IEC 60238, the requirements for E10 lampholders being applicable		N/A
24.1.7	For remote operation of the appliance via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is IEC 62151		N/A
24.1.8	The relevant standard for thermal links is IEC 60691		N/A
	Thermal links not complying with IEC 60691 are considered to be an intentionally weak part for the purposes of clause 19		N/A
24.1.9	Contactors and relays, other than motor starting relays, tested as part of the appliance		P
	They are also tested in accordance with clause 17 of IEC 60730-1, the number of cycles of operations in 24.1.4 selected according to the contactor or relay function in the appliance.....:		P
24.2	Appliances not fitted with:		—
	- switches or automatic controls in flexible cords		N/A
	- devices causing the protective device in the fixed wiring to operate in the event of a fault in the appliance		P
	- thermal cut-outs that can be reset by soldering, unless		P
	the solder has a melding point of at least 230 °C		N/A
24.3	Switches intended for all-pole disconnection of stationary appliances are directly connected to the supply terminals and have a contact separation in all poles, providing full disconnection under overvoltage category III conditions		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
24.4	Plugs and socket-outlets for extra-low voltage circuits and heating elements, not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1 or with connectors and appliance inlets complying with the standard sheets of IEC 60320-1		N/A
24.5	Capacitors in auxiliary windings of motors marked with their rated voltage and capacitance, and used accordingly		N/A
	Voltage across capacitors in series with a motor winding does not exceed 1,1 times rated voltage, when the appliance is supplied at 1,1 times rated voltage under minimum load		N/A
24.6	Working voltage of motors connected to the supply mains and having basic insulation that is inadequate for the rated voltage of the appliance, not exceeding 42 V		N/A
	In addition, the motors comply with the requirements of annex I		N/A
24.7	Detachable hose-sets for connection of appliances to the water mains comply with IEC 61770		N/A
	They are supplied with the appliance		N/A
	Appliances intended to be permanently connected to the water mains not connected by a detachable hose-set		N/A
24.8	Motor running capacitors in appliances for which 30.2.3 is applicable and that are permanently connected in series with a motor winding, not causing a hazard in event of a failure		N/A
	One or more of the following conditions are to be met:		—
	- the capacitors are of class P2 according to IEC 60252-1		N/A
	- the capacitors are housed within a metallic or ceramic enclosure		N/A
	- the distance of separation of the outer surface to adjacent non-metallic parts exceeds 50 mm		N/A
	- adjacent non-metallic parts within 50 mm withstand the needle-flame test of annex E		N/A
	- adjacent non-metallic parts within 50 mm classified as at least V-1 according to IEC 60695-11-10		N/A
24.101	Replaceable parts of thermal control devices identified by marking (IEC 60335-2-40)		N/A
25	SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS		—

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
25.1	Appliance not intended for permanent connection to fixed wiring, means for connection to the supply:		—
	- supply cord fitted with a plug,		N/A
	- an appliance inlet having at least the same degree of protection against moisture as required for the appliance, or		N/A
	- pins for insertion into socket-outlets		N/A
	Supply cord fitted with plug provided, if (IEC 60335-2-40):		—
	- appliance only for indoor use (IEC 60335-2-40),		N/A
	- marked with rating of 25 A or less and (IEC 60335-2-40)		N/A
	- complies with code requirements of country where it will be used (IEC 60335-2-40).		N/A
	Appliance inlet not allowed (IEC 60335-2-40)		N/A
25.2	Appliance not provided with more than one means of connection to the supply mains		P
	Stationary appliance for multiple supply may be provided with more than one means of connection, provided electric strength test of 1250 V for 1 min between each means of connection causes no breakdown		N/A
25.3	Appliance intended to be permanently connected to fixed wiring provided with one of the following means for connection to the supply mains:		—
	- a set of terminals allowing the connection of a flexible cord		P
	- a fitted supply cord		N/A
	- a set of supply leads accommodated in a suitable compartment		N/A
	- a set of terminals for the connection of cables of fixed wiring, cross-sectional areas specified in 26.6, and the appliance allows the connection of the supply conductors after the appliance has been fixed to its support		N/A
	- a set of terminals and cable entries, conduit entries, knock-outs or glands, allowing connection of appropriate types of cable or conduit, and the appliance allows the connection of the supply conductors after the appliance has been fixed to its support		N/A
	For a fixed appliance constructed so that parts can be removed to facilitate easy installation, this requirement is met if it is possible to connect the fixed wiring without difficulty after a part of the appliance has been fixed to its support		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
25.4	Cable and conduit entries, rated current of appliance not exceeding 16 A, dimension according to table 10 (mm) .....:		N/A
	Introduction of conduit or cable does not reduce clearances or creepage distances below values specified in clause 29		N/A
25.5	Method for assembling the supply cord to the appliance:		—
	- type X attachment		N/A
	- type Y attachment		N/A
	- type Z attachment, if allowed in relevant part 2		N/A
	Type X attachment, other than those with a specially prepared cord, not used for flat twin tinsel cords		N/A
	For multi-phase appliances supplied with a supply cord and that are intended to be permanently connected to fixed wiring, the supply cord is assembled to the appliance by type Y attachment		N/A
25.6	Plugs fitted with only one flexible cord		N/A
25.7	Supply cords, other than for class III appliances, being one of the following types:		—
	- rubber sheathed (at least 60245 IEC 53)		N/A
	- polychloroprene sheathed (at least 60245 IEC 57)		N/A
	- cross-linked polyvinyl chloride sheathed (at least 60245 IEC 88)		N/A
	- polyvinyl chloride sheathed. Not used if they are likely to touch metal parts having a temperature rise exceeding 75 K during the test of clause 11		—
	- light polyvinyl chloride sheathed cord (60227 IEC 52), for appliances not exceeding 3 kg		N/A
	- ordinary polyvinyl chloride sheathed cord (60227 IEC 53), for other appliances		N/A
	- heat resistant polyvinyl chloride sheathed. Not used for type X attachment other than specially prepared cords		—
	- heat-resistant light polyvinyl chloride sheathed cord (60227 IEC 56), for appliances not exceeding 3 kg		N/A
	- heat-resistant polyvinyl chloride sheathed cord (60227 IEC 57), for other appliances		N/A
	Supply cords for class III appliances adequately insulated		N/A
	Test with 500 V for 2 min for supply cords of class III appliances that contain live parts		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Supply cords for outdoor use not lighter than polychloroprene sheathed flexible cord (60245 IEC 57) (IEC 60335-2-40)		N/A
25.8	Nominal cross-sectional area of supply cords not less than table 11; rated current (A); cross-sectional area (mm²) .....:		N/A
25.9	Supply cords not in contact with sharp points or edges		N/A
25.10	Supply cord of class I appliances have a green/yellow core for earthing		N/A
25.11	Conductors of supply cords not consolidated by soldering where they are subject to contact pressure, unless		N/A
	the contact pressure is provided by spring terminals		N/A
25.12	Insulation of the supply cord not damaged when moulding the cord to part of the enclosure		N/A
25.13	Inlet openings so constructed as to prevent damage to the supply cord		N/A
	If the enclosure at the inlet opening is not of insulating material, a non-detachable lining or bushing complying with 29.3 for supplementary insulation provided		N/A
	If unsheathed supply cord, a similar additional bushing or lining is required, unless the appliance is		N/A
	class 0, or		N/A
	a class III appliance not containing live parts		N/A
25.14	Supply cords moved while in operation adequately protected against excessive flexing		N/A
	Flexing test, as described:		—
	- applied force (N).....:		N/A
	- number of flexings.....:		N/A
	The test does not result in:		—
	- short-circuit between the conductors, such that the current exceeds a value of twice the rated current		N/A
	- breakage of more than 10 % of the strands of any conductor		N/A
	- separation of the conductor from its terminal		N/A
	- loosening of any cord guard		N/A
	- damage to the cord or the cord guard		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- broken strands piercing the insulation and becoming accessible		N/A
25.15	For appliances with supply cord and appliances to be permanently connected to fixed wiring by a flexible cord, conductors of the supply cord relieved from strain, twisting and abrasion by use of cord anchorage		P
	The cord cannot be pushed into the appliance to such an extent that the cord or internal parts of the appliance can be damaged		P
	Pull and torque test of supply cord, values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm) .....:	100 N, 0,35Nm	P
	Cord not damaged and max. 2 mm displacement of the cord	0,8 mm	P
25.16	Cord anchorages for type X attachments constructed and located so that:		—
	- replacement of the cord is easily possible		N/A
	- it is clear how the relief from strain and the prevention of twisting are obtained		N/A
	- they are suitable for different types of supply cord		N/A
	- cord cannot touch the clamping screws of cord anchorage if these screws are accessible, unless		N/A
	they are separated from accessible metal parts by supplementary insulation		N/A
	- the cord is not clamped by a metal screw which bears directly on the cord		N/A
	- at least one part of the cord anchorage securely fixed to the appliance, unless		N/A
	it is part of a specially prepared cord		N/A
	- screws which have to be operated when replacing the cord do not fix any other component, unless		N/A
	the appliance becomes inoperative or incomplete or the parts cannot be removed without a tool		N/A
	- if labyrinths can be bypassed the test of 25.15 is nevertheless withstood		N/A
	- for class 0, 0I and I appliances they are of insulating material or are provided with an insulating lining, unless		N/A
	failure of the insulation of the cord does not make accessible metal parts live		N/A
	- for class II appliances they are of insulating material, or		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	if of metal, they are insulated from accessible metal parts by supplementary insulation		N/A
	After the test of 25.15, under the conditions specified, the conductors have not moved by more than 1 mm in the terminals		N/A
25.17	Adequate cord anchorages for type Y and Z attachment, test with the cord supplied with the appliance		N/A
25.18	Cord anchorages only accessible with the aid of a tool, or		P
	Constructed so that the cord can only be fitted with the aid of a tool		N/A
25.19	Type X attachment, glands not used as cord anchorage in portable appliances		N/A
	Tying the cord into a knot or tying the cord with string not used		N/A
25.20	The insulated conductors of the supply cord for type Y and Z attachment additionally insulated from accessible metal parts		N/A
25.21	Space for supply cord for type X attachment or for connection of fixed wiring constructed:		—
	- to permit checking of conductors with respect to correct positioning and connection before fitting any cover		N/A
	- so there is no risk of damage to the conductors or their insulation when fitting the cover		N/A
	- for portable appliances, so that the uninsulated end of a conductor, if it becomes free from the terminal, prevented from contact with accessible metal parts		N/A
	2 N test to the conductor for portable appliances; no contact with accessible metal parts		N/A
25.22	Appliance inlets:		—
	- live parts not accessible during insertion or removal		N/A
	Requirement not applicable to appliance inlets complying with IEC 60320-1		N/A
	- connector can be inserted without difficulty		N/A
	- the appliance is not supported by the connector		N/A
	- not for cold conditions if temp. rise of external metal parts exceeds 75 K during clause 11, unless		N/A
	the supply cord is unlikely to touch such metal parts		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
25.23	Interconnection cords comply with the requirements for the supply cord, except that:		P
	- the cross-sectional area of the conductors is determined on the basis of the maximum current during clause 11		N/A
	- the thickness of the insulation may be reduced		N/A
	If necessary, electric strength test of 16.3		N/A
25.24	Interconnection cords not detachable without the aid of a tool if compliance with this standard is impaired when they are disconnected		P
25.25	Dimensions of pins that are inserted into socket-outlets compatible with the dimensions of the relevant socket-outlet.		N/A
	Dimensions of pins and engagement face in accordance with the dimensions of the relevant plug in IEC/TR 60083		N/A
26	TERMINALS FOR EXTERNAL CONDUCTORS		—
26.1	Appliances provided with terminals or equally effective devices for connection of external conductors		P
	Terminals only accessible after removal of a non-detachable cover, except		P
	for class III appliances that do not contain live parts		N/A
	Earthing terminals may be accessible if a tool is required to make the connections and means are provided to clamp the wire independently from its connection		N/A
26.2	Appliances with type X attachment and appliances for the connection of cables to fixed wiring provided with terminals in which connections are made by means of screws, nuts or similar devices, unless		P
	the connections are soldered		N/A
	Screws and nuts not used to fix any other component, except		P
	internal conductors, if so arranged that they are unlikely to be displaced when fitting the supply conductors		N/A
	If soldered connections used, the conductor so positioned or fixed that reliance is not placed on soldering alone, unless		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	barriers provided so that neither clearances nor creepage distances between live parts and other metal parts reduced below the values for supplementary insulation if the conductor becomes free at the soldered joint		N/A
26.3	Terminals for type X attachment and for connection of cables of fixed wiring so constructed that the conductor is clamped between metal surfaces with sufficient contact pressure but without damaging the conductor		P
	Terminals fixed so that when the clamping means is tightened or loosened:		—
	- the terminal does not become loose		P
	- internal wiring is not subjected to stress		P
	- neither clearances nor creepage distances are reduced below the values in clause 29		P
	Compliance checked by inspection and by the test of subclause 9.6 of IEC 60999-1, the torque applied being equal to two-thirds of the torque specified (Nm) .....:		P
	No deep or sharp indentations of the conductors		P
26.4	Terminals for type X attachment, except those having a specially prepared cord and those for the connection of cables of fixed wiring, no special preparation of conductors such as by soldering, use of cable lugs, eyelets or similar, and		N/A
	so constructed or placed that conductors prevented from slipping out when clamping screws or nuts are tightened		N/A
26.5	Terminals for type X attachment so located or shielded that if a wire of a stranded conductor escapes, no risk of accidental connection to other parts that result in a hazard		N/A
	Stranded conductor test, 8 mm insulation removed		N/A
	No contact between live parts and accessible metal parts and,		N/A
	for class II constructions, between live parts and metal parts separated from accessible metal parts by supplementary insulation only		N/A
26.6	Terminals for type X attachment and for connection of cables of fixed wiring suitable for connection of conductors with cross-sectional area according to table 13; rated current (A); nominal cross-sectional area (mm²).....:	Max. rated current: 22,0 A; nominal cross-sectional area: 4 mm²	P
	If a specially prepared cord is used, terminals need only be suitable for that cord		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
26.7	Terminals for type X attachment, except in class III appliances not containing live parts, accessible after removal of a cover or part of the enclosure		N/A
26.8	Terminals for the connection of fixed wiring, including the earthing terminal, located close to each other		P
26.9	Terminals of the pillar type constructed and located as specified		N/A
26.10	Terminals with screw clamping and screwless terminals not used for flat twin tinsel cords, unless		P
	conductors ends fitted with means suitable for screw terminals		N/A
	Pull test of 5 N to the connection		N/A
26.11	For type Y and Z attachment, soldered, welded, crimped or similar connections may be used		N/A
	For class II appliances, the conductor so positioned or fixed that reliance is not placed on soldering, welding or crimping alone		N/A
	If soldering, welding or crimping alone used, barriers provided so that clearances and creepage distances between live parts and other metal parts are not reduced below the values for supplementary insulation if the conductor becomes free		N/A
27	PROVISION FOR EARTHING		—
27.1	Accessible metal parts of class 0I and I appliances permanently and reliably connected to an earthing terminal or earthing contact of the appliance inlet		P
	Earthing terminals and earthing contacts not connected to the neutral terminal		P
	Class 0, II and III appliances have no provision for earthing		N/A
	Safety extra-low voltage circuits not earthed, unless		N/A
	protective extra-low voltage circuits		N/A
27.2	Clamping means of earthing terminals adequately secured against accidental loosening		P
	Terminals for the connection of external equipotential bonding conductors allow connection of conductors of 2,5 to 6 mm², and		N/A
	do not provide earthing continuity between different parts of the appliance, and		N/A
	conductors cannot be loosened without the aid of a tool		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
27.3	For a detachable part having an earth connection and being plugged into another part of the appliance, the earth connection is made before and separated after current-carrying connections when removing the part		N/A
	For appliances with supply cords, current-carrying conductors become taut before earthing conductor, if the cord slips out of the cord anchorage		N/A
27.4	No risk of corrosion resulting from contact between parts of the earthing terminal and the copper of the earthing conductor or other metal		P
	Parts providing earthing continuity, other than parts of a metal frame or enclosure, have adequate resistance to corrosion		P
	If of steel, these parts provided with an electroplated coating with a thickness at least 5 µm		P
	Adequate protection against rusting of parts of coated or uncoated steel, only intended to provide or transmit contact pressure		P
	In the body of the earthing terminal is a part of a frame or enclosure of aluminium or aluminium alloys, precautions taken to avoid risk of corrosion		P
27.5	Low resistance of connection between earthing terminal and earthed metal parts		P
	This requirement does not apply to connections providing earthing continuity in the protective extra-low voltage circuit, provided the clearances of basic insulation are based on the rated voltage of the appliance		N/A
	Resistance not exceeding 0,1 at the specified low-resistance test ( ) .....:	0,044 Ω	P
27.6	The printed conductors of printed circuit boards not used to provide earthing continuity in hand-held appliances.		N/A
	They may be used to provide earthing continuity in other appliances if at least two tracks are used with independent soldering points and the appliance complies with 27.5 for each circuit		N/A
28	SCREWS AND CONNECTIONS		—
28.1	Fixings, electrical connections and connections providing earthing continuity withstand mechanical stresses		P
	Screws not of soft metal liable to creep, such as zinc or aluminium		P
	Diameter of screws of insulating material min. 3 mm		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Screws of insulating material not used for any electrical connections or connections providing earthing continuity		N/A
	Screws used for electrical connections or connections providing earthing continuity screwed into metal		P
	Screws not of insulating material if their replacement by a metal screw can impair supplementary or reinforced insulation		P
	For type X attachment, screws to be removed for replacement of supply cord or for user maintenance, not of insulating material if their replacement by a metal screw impairs basic insulation		N/A
	For screws and nuts; torque-test as specified in table 14.....:	(see appended table)	P
28.2	Electrical connections and connections providing earthing continuity constructed so that contact pressure is not transmitted through non-ceramic insulating material liable to shrink or distort, unless		P
	there is resiliency in the metallic parts to compensate for shrinkage or distortion of the insulating material		N/A
	This requirement does not apply to electrical connections in circuits of appliances for which:		—
	- 30.2.2 is applicable and that carry a current not exceeding 0,5 A		N/A
	- 30.2.3 is applicable and that carry a current not exceeding 0,2 A		N/A
28.3	Space-threaded (sheet metal) screws only used for electrical connections if they clamp the parts together		N/A
	Thread-cutting (self-tapping) screws and thread rolling screws only used for electrical connections if they generate a full form standard machine screw thread		N/A
	Thread-cutting (self-tapping) screws not used if they are likely to be operated by the user or installer		N/A
	Thread-cutting, thread rolling and space threaded screws may be used in connections providing earthing continuity provided it is not necessary to disturb the connection:		—
	- in normal use,		N/A
	- during user maintenance,		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- when replacing a supply cord having a type X attachment, or		N/A
	- during installation		N/A
	At least two screws being used for each connection providing earthing continuity, unless		N/A
	the screw forms a thread having a length of at least half the diameter of the screw		N/A
28.4	Screws and nuts that make mechanical connection secured against loosening if they also make electrical connections or connections providing earthing continuity		P
	This requirement does not apply to screws in the earthing circuit if at least two screws are used, or		N/A
	if an alternative earthing circuit is provided		N/A
	Rivets for electrical connections or connections providing earthing continuity secured against loosening if the connections are subjected to torsion		N/A
29	CLEARANCES, CREEPAGE DISTANCES AND SOLID INSULATION		—
	Clearances, creepage distances and solid insulation withstand electrical stress		P
	For coatings used on printed circuits boards to protect the microenvironment (Type 1) or to provide basic insulation (Type 2), annex J applies .....:		N/A
	The microenvironment is pollution degree 1 under type 1 protection		N/A
	For type 2 protection, the spacing between the conductors before the protection is applied is not less than the values specified in Table 1 of IEC 60664-3		N/A
	These values apply to functional, basic, supplementary and reinforced insulation .....:		N/A
	For motor-compressor not complying with IEC 60335-2-34, additions and modifications as specified (IEC 60335-2-40)		N/A
29.1	Clearances not less than the values specified in table 16, taking into account the rated impulse voltage for the overvoltage categories of table 15, unless .....:	(see appended table)	P
	for basic insulation and functional insulation they comply with the impulse voltage test of clause 14		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	However, if the distances are affected by wear, distortion, movement of the parts or during assembly, the clearances for rated impulse voltages of 1500 V and above are increased by 0,5 mm and the impulse voltage test is not applicable		P
	Impulse voltage test is not applicable:		—
	- when the microenvironment is pollution degree 3, or		N/A
	- for basic insulation of class 0 and class 01 appliances		N/A
	Appliances are in overvoltage category II		P
	A force of 2 N is applied to bare conductors, other than heating elements		P
	A force of 30 N is applied to accessible surfaces		P
29.1.1	Clearances of basic insulation withstand the overvoltages, taking into account the rated impulse voltage		P
	The values of table 16 or the impulse voltage test of clause 14 are applicable .....:	(see appended table)	P
	Clearance at the terminals of tubular sheathed heating elements may be reduced to 1,0 mm if the microenvironment is pollution degree 1		N/A
	Lacquered conductors of windings considered to be bare conductors		P
29.1.2	Clearances of supplementary insulation not less than those specified for basic insulation in table 16 .....:	(see appended table)	P
29.1.3	Clearances of reinforced insulation not less than those specified for basic insulation in table 16, using the next higher step for rated impulse voltage .....:	(see appended table)	P
	For double insulation, with no intermediate conductive part between basic and supplementary insulation, clearances are measured between live parts and the accessible surface, and the insulation system is treated as reinforced insulation		P
29.1.4	Clearances for functional insulation are the largest values determined from:		—
	- table 16 based on the rated impulse voltage .....:	(see appended table)	P
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		P
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	If values of table 16 are largest, the impulse voltage test of clause 14 may be applied instead, unless		P
	the microenvironment is pollution degree 3, or		N/A
	the distances can be affected by wear, distortion, movement of the parts or during assembly		P
	However, clearances are not specified if the appliance complies with clause 19 with the functional insulation short-circuited		P
	Lacquered conductors of windings considered to be bare conductors		P
	However, clearances at crossover points are not measured		P
	Clearance between surfaces of PTC heating elements may be reduced to 1mm		N/A
29.1.5	Appliances having higher working voltages than rated voltage, clearances for basic insulation are the largest values determined from:		—
	- table 16 based on the rated impulse voltage .....:		P
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		P
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A
	If clearances for basic insulation are selected from Table F.7a of IEC 60664-1 or clause 4 of IEC 60664-4, the clearances of supplementary insulation are not less than those specified for basic insulation		N/A
	If clearances for basic insulation are selected from Table F.7a of IEC 60664-1, the clearances of reinforced insulation dimensioned as specified in Table F.7a are to withstand 160% of the withstand voltage required for basic insulation		N/A
	If clearances for basic insulation are selected from clause 4 of IEC 60664-4, the clearances of reinforced insulation are twice the value required for basic insulation		N/A
	If the secondary winding of a step-down transformer is earthed, or if there is an earthed screen between the primary and secondary windings, clearances of basic insulation on the secondary side not less than those specified in table 16, but using the next lower step for rated impulse voltage		N/A
	Circuits supplied with a voltage lower than rated voltage, clearances of functional insulation are based on the working voltage used as the rated voltage in table 15		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
29.2	Creepage distances not less than those appropriate for the working voltage, taking into account the material group and the pollution degree .....:	(see appended table)	P
	Pollution degree 2 applies, unless		N/A
	- precautions taken to protect the insulation; pollution degree 1		N/A
	- insulation subjected to conductive pollution; pollution degree 3		P
	A force of 2 N is applied to bare conductors, other than heating elements		N/A
	A force of 30 N is applied to accessible surfaces		P
	In a double insulation system, the working voltage for both the basic and supplementary insulation is taken as the working voltage across the complete double insulation system		P
	Insulation located in airflow, pollution degree 3 unless (IEC 60335-2-40)		P
	insulation enclosed or located so that unlikely to be exposed to pollution due to normal use (IEC 60335-2-40)		P
29.2.1	Creepage distances of basic insulation not less than specified in table 17 .....:	(see appended table)	P
	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 17 .....:		N/A
	Except for pollution degree 1, corresponding creepage distance not less than the minimum specified for the clearance in table 16, if the clearance has been checked according to the test of clause 14 .....:		N/A
29.2.2	Creepage distances of supplementary insulation at least those specified for basic insulation in table 17, or .....:	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable.....:		N/A
29.2.3	Creepage distances of reinforced insulation at least double those specified for basic insulation in table 17, or .....:	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable.....:		N/A
29.2.4	Creepage distances of functional insulation not less than specified in table 18 .....:	(see appended table)	P

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Clause	Requirement + Test	Result - Remark	Verdict
	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 18 .....:		N/A
	Creepage distances may be reduced if the appliance complies with clause 19 with the functional insulation short-circuited		P
29.3	Supplementary and reinforced insulation have adequate thickness, or a sufficient number of layers, to withstand the electrical stresses		P
	Compliance checked:		—
	- by measurement, in accordance with 29.3.1, or		P
	- by an electric strength test in accordance with 29.3.2, or		P
	- by an assessment of the thermal quality of the material combined with an electric strength test, in accordance with 29.3.3, and		N/A
	for accessible parts of reinforced insulation consisting of a single layer, by measurement in accordance with 29.3.4, or		N/A
	- as specified in subclause 6.3 of IEC 60664-4 for insulation that is subjected to any periodic voltage having a frequency exceeding 30 kHz		N/A
29.3.1	Supplementary insulation have a thickness of at least 1 mm		P
	Reinforced insulation have a thickness of at least 2 mm		N/A
29.3.2	Each layer of material withstand the electric strength test of 16.3 for supplementary insulation		P
	Supplementary insulation consist of at least 2 layers		P
	Reinforced insulation consist of at least 3 layers		N/A
29.3.3	The insulation is subjected to the dry heat test Bb of IEC 60068-2-2, followed by		N/A
	the electric strength test of 16.3		N/A
	If the temperature rise during the tests of clause 19 does not exceed the value specified in table 3, the test of IEC 60068-2-2 is not carried out		N/A
29.3.4	Thickness of accessible parts of reinforced insulation consisting of a single layer not less than specified in table 19 .....:		N/A
30	RESISTANCE TO HEAT AND FIRE		—

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
30.1	External parts of non-metallic material,		P
	parts supporting live parts, and		P
	parts of thermoplastic material providing supplementary or reinforced insulation		P
	sufficiently resistant to heat		P
	Ball-pressure test according to IEC 60695-10-2		P
	External parts tested at 40 °C plus the maximum temperature rise determined during the test of clause 11, or at 75 °C, whichever is the higher; temperature (°C) .....:	(see appended table)	P
	Parts supporting live parts tested at 40 °C plus the maximum temperature rise determined during the test of clause 11, or at 125 °C, whichever is the higher; temperature (°C) .....:	(see appended table)	P
	Parts of thermoplastic material providing supplementary or reinforced insulation tested at 25 °C plus the maximum temperature rise determined during clause 19, if higher; temperature (°C) .....:		N/A
30.2	Parts of non-metallic material resistant to ignition and spread of fire		P
	This requirement does not apply to:		—
	parts having a mass not exceeding 0,5 g, provided the cumulative effect is unlikely to propagate flames that originate inside the appliance by propagating flames from one part to another, or		N/A
	decorative trims, knobs and other parts unlikely to be ignited or to propagate flames that originate inside the appliance		P
	Compliance checked by the test of 30.2.1, and in addition:		P
	- for attended appliances, 30.2.2 applies		N/A
	- for unattended appliances, 30.2.3 applies		P
	For appliances for remote operation, 30.2.3 applies		N/A
	For base material of printed circuit boards, 30.2.4 applies		P
30.2.1	Parts of non-metallic material subjected to the glow-wire test of IEC 60695-2-11 at 550 °C		P
	However, test not carried out if the material is classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 550 °C, or		N/A
	the material is classified at least HB40 according to IEC 60695-11-10		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Parts for which the glow-wire test cannot be carried out need to meet the requirements in ISO 9772 for material classified HBF		N/A
30.2.3	Appliances operated while unattended, tested as specified in 30.2.3.1 and 30.2.3.2		P
	The tests are not applicable to conditions as specified .....:		N/A
30.2.3.1	Parts of non-metallic material supporting connections carrying a current exceeding 0,2 A during normal operation, and		P
	parts of non-metallic material, other than small parts, within a distance of 3 mm,		P
	subjected to the glow-wire test of IEC 60695-2-11 with a test severity of 850 °C		P
	Glow-wire applied to an interposed shielding material, if relevant		N/A
	The glow-wire test is not carried out on parts of material classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 850 °C		N/A
30.2.3.2	Parts of non-metallic material supporting connections, and		P
	parts of non-metallic material within a distance of 3 mm,		P
	subjected to glow-wire test of IEC 60695-2-11		P
	The test severity is:		—
	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation		P
	- 650 °C, for other connections		N/A
	Glow-wire applied to an interposed shielding material, if relevant		N/A
	However, the glow-wire test of 750 °C or 650 °C as appropriate, is not carried out on parts of material fulfilling both or either of the following classifications:		—
	- a glow-wire ignition temperature according to IEC 60695-2-13 of at least:		N/A
	- 775 °C, for connections carrying a current exceeding 0,2 A during normal operation		N/A
	- 675 °C, for other connections		N/A
	- a glow-wire flammability index according to IEC 60695-2-12 of at least:		N/A
	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- 650 °C, for other connections		N/A
	The glow-wire test is also not carried out on small parts. These parts are to:		—
	- comprise material having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or		N/A
	- comprise material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- comply with the needle-flame test of annex E, or		N/A
	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
	The consequential needle-flame test of annex E applied to non-metallic parts that encroach within the vertical cylinder placed above the centre of the connection zone and on top of the non-metallic parts supporting current-carrying connections, and parts of non-metallic material within a distance of 3 mm of such connections if these parts are those:		—
	- parts that withstood the glow-wire test of IEC 60695-2-11 of 750 °C or 650 °C as appropriate, but produce a flame that persist longer than 2 s, or		N/A
	- parts that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- small parts, that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- small parts for which the needle-flame test of annex E was applied, or		N/A
	- small parts for which a material classification of V-0 or V-1 was applied		N/A
	However, the consequential needle-flame test is not carried out on non-metallic parts, including small parts, within the cylinder that are:		—
	- parts having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or		N/A
	- parts comprising material classified as V-0 or V-1 according to IEC 60695-11-10, or		N/A
	- parts shielded by a flame barrier that meets the needle-flame test of annex E or that comprises material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
30.2.4	Base material of printed circuit boards subjected to the needle-flame test of annex E		P
	Test not applicable to conditions as specified.....:		N/A
31	RESISTANCE TO RUSTING		—

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Relevant ferrous parts adequately protected against rusting		P
	Tests specified in part 2 when necessary		P
	Salt mist test of IEC 60068-2-52, severity 2 (IEC 60335-2-40)		P
	Before test, coatings are scratched by means of a harden steel pin as specified (IEC 60335-2-40)		P
	Five scratches made at least 5 mm apart and at least 5 mm from the edges (IEC 60335-2-40)		P
	Appliance not deteriorated to such an extent that compliance with clause 8 and 27 is impaired (IEC 60335-2-40)		P
	Coating not be broken and not loosened from the metal surface (IEC 60335-2-40)	For outdoor unit	P
A	ANNEX A (INFORMATIVE) ROUTINE TESTS		—
	Description of routine tests to be carried out by the manufacturer		N/A
B	ANNEX B (NORMATIVE) APPLIANCES POWERED BY RECHARGEABLE BATTERIES		—
	The following modifications to this standard are applicable for appliances powered by batteries that are recharged in the appliance		N/A
	This annex does not apply to battery chargers		N/A
3.1.9	Appliance operated under the following conditions:		—
	- the appliance, supplied by its fully charged battery, operated as specified in relevant part 2		N/A
	- the battery is charged, the battery being initially discharged to such an extent that the appliance cannot operate		N/A
	- f possible, the appliance is supplied from the supply mains through its battery charger, the battery being initially discharged to such an extent that the appliance cannot operate. The appliance is operated as specified in relevant part 2		N/A
	- if the appliance incorporates inductive coupling between two parts that are detachable from each other, the appliance is supplied from the supply mains with the detachable part removed		N/A
3.6.2	Part to be removed in order to discard the battery is not considered to be detachable		N/A
5.B.101	Appliances supplied from the supply mains tested as specified for motor-operated appliances		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
7.1	Battery compartment for batteries intended to be replaced by the user, marked with battery voltage and polarity of the terminals		N/A
	The positive terminal indicated by symbol IEC 60417-5005 and the negative terminal by symbol IEC 60417-5006		N/A
7.6	Symbols 60417-5005 and IEC 60417-5006		N/A
7.12	The instructions give information regarding charging		N/A
	The instructions for appliances incorporating batteries intended to be replaced by the user includes required information		N/A
	Details about how to remove batteries containing materials hazardous to the environment given		N/A
7.15	Markings placed on the part of the appliance connected to the supply mains		N/A
8.2	Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment		N/A
	If the appliance can be operated without batteries, double or reinforced insulation required		N/A
11.7	The battery is charged for the period stated in the instructions or 24 h.....:		N/A
19.1	Appliances subjected to tests of 19.B.101, 19.B.102 and 19.B.103		N/A
19.10	Not applicable		N/A
19.B.101	Appliances supplied at rated voltage for 168 h, the battery being continually charged		N/A
19.B.102	For appliances having batteries that can be removed without the aid of a tool, short-circuit of the terminals of the battery, the battery being fully charged,		N/A
19.B.103	Appliances having batteries replaceable by the user supplied at rated voltage under normal operation with the battery removed or in any position allowed by the construction		N/A
21.B.101	Appliances having pins for insertion into socket-outlets have adequate mechanical strength		N/A
	Part of the appliance incorporating the pins subjected to the free fall test, procedure 2, of IEC 60068-2-31, the number of falls being:		—
	- 100, if the mass of the part does not exceed 250 g (g).....:		N/A
	- 50, if the mass of the part exceeds 250 g.....:		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	After the test, the requirements of 8.1, 15.1.1, 16.3 and clause 29 are met		N/A
22.3	Appliances having pins for insertion into socket-outlets tested as fully assembled as possible		N/A
25.13	An additional lining or bushing not required for interconnection cords in class III appliances or class III constructions operating at safety extra-low voltage not containing live parts		N/A
30.2	For parts of the appliance connected to the supply mains during the charging period, 30.2.3 applies		N/A
	For other parts, 30.2.2 applies		N/A
C	ANNEX C (NORMATIVE) AGEING TEST ON MOTORS		—
	Tests, as described, carried out when doubt with regard to the temperature classification of the insulation of a motor winding		N/A
	Test conditions as specified		N/A
E	ANNEX E (NORMATIVE) NEEDLE-FLAME TEST		—
	Needle-flame test carried out in accordance with IEC 60695-11-5, with the following modifications:		—
7	Severities		—
	The duration of application of the test flame is 30 s ± 1 s		P
9	Test procedure		—
9.1	The specimen so arranged that the flame can be applied to a vertical or horizontal edge as shown in the examples of figure 1		P
9.2	The first paragraph does not apply		P
	If possible, the flame is applied at least 10 mm from a corner		P
9.3	The test is carried out on one specimen		P
	If the specimen does not withstand the test, the test may be repeated on two additional specimens, both withstanding the test		N/A
11	Evaluation of test results		—
	The duration of burning not exceeding 30 s		N/A
	However, for printed circuit boards, the duration of burning not exceeding 15 s		P
F	ANNEX F (NORMATIVE) CAPACITORS		—

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Capacitors likely to be permanently subjected to the supply voltage, and used for radio interference suppression or voltage dividing, comply with the following clauses of IEC 60384-14, with the following modifications:		—
1.5	Terms and definitions		—
1.5.3	Class X capacitors tested according to subclass X2		N/A
1.5.4	This subclause is applicable		N/A
1.6	Marking		—
	Items a) and b) are applicable		N/A
3.4	Approval testing		—
3.4.3.2	Table 3 is applicable as described		N/A
4.1	Visual examination and check of dimensions		—
	This subclause is applicable		N/A
4.2	Electrical tests		—
4.2.1	This subclause is applicable		N/A
4.2.5	This subclause is applicable		N/A
4.2.5.2	Only table 11 is applicable		N/A
	Values for test A apply		N/A
	However, for capacitors in heating appliances the values for test B or C apply		N/A
4.12	Damp heat, steady state		—
	This subclause is applicable		N/A
	Only insulation resistance and voltage proof are checked		N/A
4.13	Impulse voltage		—
	This subclause is applicable		N/A
4.14	Endurance		—
	Subclauses 4.14.1, 4.14.3, 4.14.4 and 4.14.7 are applicable		N/A
4.14.7	Only insulation resistance and voltage proof are checked		N/A
	No visible damage		N/A
4.17	Passive flammability test		—
	This subclause is applicable		N/A
4.18	Active flammability test		—
	This subclause is applicable		—

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
G	ANNEX G (NORMATIVE) SAFETY ISOLATING TRANSFORMERS		—
	The following modifications to this standard are applicable for safety isolating transformers:		—
7	Marking and instructions		—
7.1	Transformers for specific use marked with:		—
	- name, trademark or identification mark of the manufacturer or responsible vendor .....:		N/A
	- model or type reference .....:		N/A
17	Overload protection of transformers and associated circuits		—
	Fail-safe transformers comply with subclause 15.5 of IEC 61558-1		N/A
22	Construction		—
	Subclauses 19.1 and 19.1.2 of IEC 61558-2-6 are applicable		N/A
29	Clearances, creepage distances and solid insulation		—
29.1, 29.2, 29.3	The distances specified in items 2a, 2c and 3 in table 13 of IEC 61558-1 apply		N/A
	For insulated winding wires complying with subclause 19.12.3 of IEC 61558-1 there are no requirements for clearances or creepage distances		N/A
	For windings providing reinforced insulation, the distance specified in item 2c of table 13 of IEC 61558-1 is not assessed		N/A
	For safety isolating transformers subjected to periodic voltages with a frequency exceeding 30 kHz, the clearances, creepage distances and solid insulation values specified in IEC 60664-4 are applicable, if greater than the values specified in items 2a, 2c and 3 in table 13 of IEC 61558-1		N/A
H	ANNEX H (NORMATIVE) SWITCHES		—
	Switches comply with the following clauses of IEC 61058-1, as modified below:		—
	The tests of IEC 61058-1 carried out under the conditions occurring in the appliance		N/A
	Before being tested, switches are operated 20 times without load		N/A
8	Marking and documentation		—
	Switches are not required to be marked		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	However, a switch that can be tested separately from the appliance marked with the manufacturer's name or trade mark and the type reference		N/A
13	Mechanism		—
	The tests may be carried out on a separate sample		N/A
15	Insulation resistance and dielectric strength		—
15.1	Not applicable		N/A
15.2	Not applicable		N/A
15.3	Applicable for full disconnection and micro-disconnection		N/A
17	Endurance		—
	Compliance is checked on three separate appliances or switches		N/A
	For 17.2.4.4, the number of cycles declared according to 7.1.4 is 10 000, unless		N/A
	otherwise specified in 24.1.3 of the relevant part 2 of IEC 60335 .....:		N/A
	Switches for operation under no load and which can be operated only by a tool, and		N/A
	switches operated by hand that are interlocked so that they cannot be operated under load,		N/A
	are not subjected to the tests		N/A
	However, switches without this interlock are subjected to the test of 17.2.4.4 for 100 cycles of operation		N/A
	Subclauses 17.2.2 and 17.2.5.2 not applicable		N/A
	The ambient temperature during the test is that occurring in the appliance during the test of clause 11 in IEC 60335-1		N/A
	The temperature rise of the terminals not more than 30 K above the temperature rise measured in clause 11 of IEC 60335-1 (K).....:		N/A
20	Clearances, creepage distances, solid insulation and coatings of rigid printed board assemblies		—
	This clause is applicable to clearances and creepage distances for functional insulation, across full disconnection and micro-disconnection, as stated in table 24		N/A
J	ANNEX J (NORMATIVE) COATED PRINTED CIRCUIT BOARDS		—
	Testing of protective coatings of printed circuit boards carried out in accordance with IEC 60664-3 with the following modifications:		—

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Clause	Requirement + Test	Result - Remark	Verdict
5.7	Conditioning of the test specimens		—
	When production samples are used, three samples of the printed circuit board are tested		N/A
5.7.1	Cold		—
	The test is carried out at -25 °C		N/A
5.7.3	Rapid change of temperature		—
	Severity 1 is specified		N/A
5.9	Additional tests		—
	This subclause is not applicable		N/A
K	ANNEX K (NORMATIVE) OVERVOLTAGE CATEGORIES		—
	The information on overvoltage categories is extracted from IEC 60664-1		P
	Overvoltage category is a numeral defining a transient overvoltage condition		P
	Equipment of overvoltage category IV is for use at the origin of the installation		N/A
	Equipment of overvoltage category III is equipment in fixed installations and for cases where the reliability and the availability of the equipment is subject to special requirements		N/A
	Equipment of overvoltage category II is energy consuming equipment to be supplied from the fixed installation		P
	If such equipment is subjected to special requirements with regard to reliability and availability, overvoltage category III applies		N/A
	Equipment of overvoltage category I is equipment for connection to circuits in which measures are taken to limit transient overvoltages to an appropriate low level		N/A
L	ANNEX L (INFORMATIVE) GUIDANCE FOR THE MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES		—
	Information for the determination of clearances and creepage distances		P
M	ANNEX M (NORMATIVE) POLLUTION DEGREE		—
	The information on pollution degrees is extracted from IEC 60664-1		P
	Pollution		—

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Clause	Requirement + Test	Result - Remark	Verdict
	The microenvironment determines the effect of pollution on the insulation, taking into account the macroenvironment		P
	Means may be provided to reduce pollution at the insulation by effective enclosures or similar		P
	Minimum clearances specified where pollution may be present in the microenvironment		P
	Degrees of pollution in the microenvironment		—
	For evaluating creepage distances, the following degrees of pollution in the microenvironment are established:		—
	- pollution degree 1: no pollution or only dry, non-conductive pollution occurs. The pollution has no influence		N/A
	- pollution degree 2: only non-conductive pollution occurs, except that occasionally a temporary conductivity caused by condensation is to be expected		N/A
	- pollution degree 3: conductive pollution occurs or dry non-conductive pollution occurs that becomes conductive due to condensation that is to be expected		P
	- pollution degree 4: the pollution generates persistent conductivity caused by conductive dust or by rain or snow		N/A
N	ANNEX N (NORMATIVE) PROOF TRACKING TEST		—
	The proof tracking test is carried out in accordance with IEC 60112 with the following modifications:		—
7	Test apparatus		—
7.3	Test solutions		—
	Test solution A is used		P
10	Determination of proof tracking index (PTI)		—
10.1	Procedure		—
	The proof voltage is 100 V, 175 V, 400 V or 600 V .....:	175 V	P
	The test is carried out on five specimens		P
	In case of doubt, additional test with proof voltage reduced by 25 V, the number of drops increased to 100		N/A
10.2	Report		—

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Clause	Requirement + Test	Result - Remark	Verdict
	The report states if the PTI value was based on a test using 100 drops with a test voltage of (PTI-25) V		N/A
O	ANNEX O (INFORMATIVE) SELECTION AND SEQUENCE OF THE TESTS OF clause 30		—
	Description of tests for determination of resistance to heat and fire		P
P	ANNEX P (INFORMATIVE) GUIDANCE FOR THE APPLICATION OF THIS STANDARD TO APPLIANCES USED IN WARM DAMP EQUABLE CLIMATES		—
	Modifications applicable for class 0 and 01 appliances having a rated voltage exceeding 150 V, intended to be used in countries having a warm damp equable climate and that are marked WDaE		—
	Modifications may also be applied to class 1 appliances having a rated voltage exceeding 150 V, intended to be used in countries having a warm damp equable climate and that are marked WDaE, if liable to be connected to a supply mains that excludes the protective earthing conductor		—
5.7	The ambient temperature for the tests of clauses 11 and 13 is 40 +3/0 °C		N/A
7.1	The appliance marked with the letters WDaE		N/A
7.12	The instructions state that the appliance is to be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA		N/A
	The instructions state that the appliance is considered to be suitable for use in countries having a warm damp equable climate, but may also be used in other countries		N/A
11.8	The values of Table 3 are reduced by 15 K		N/A
13.2	The leakage current for class I appliances not exceeding 0,5 mA		N/A
15.3	The value of t is 37 °C		N/A
16.2	The leakage current for class I appliances not exceeding 0,5 mA (mA):		N/A
19.13	The leakage current test of 16.2 is applied in addition to the electric strength test of 16.3		N/A
Q	ANNEX Q (INFORMATIVE) SEQUENCE OF TESTS FOR THE EVALUATION OF ELECTRONIC CIRCUITS		—
	Description of tests for appliances incorporating electronic circuits		—
R	ANNEX R (NORMATIVE) SOFTWARE EVALUATION		—

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Clause	Requirement + Test	Result - Remark	Verdict
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 validated in accordance with the requirements of this annex		N/A
R.1	Programmable electronic circuits using software		—
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 constructed so that the software does not impair compliance with the requirements of this standard		N/A
R.2	Requirements for the architecture		—
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 use measures to control and avoid software-related faults/errors in safety-related data and safety-related segments of the software		N/A
R.2.1.1	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.2 have one of the following structures:		—
	- single channel with periodic self-test and monitoring		N/A
	- dual channel (homogenous) with comparison		N/A
	- dual channel (diverse) with comparison		N/A
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 have one of the following structures:		—
	- single channel with functional test		N/A
	- single channel with periodic self-test		N/A
	- dual channel without comparison		N/A
R.2.2	Measures to control faults/errors		—
R.2.2.1	When redundant memory with comparison is provided on two areas of the same component, the data in one area is stored in a different format from that in the other area		N/A
R.2.2.2	Programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.2 and that use dual channel structures with comparison, have additional fault/error detection means for any fault/errors not detected by the comparison		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
R.2.2.3	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, means are provided for the recognition and control of errors in transmissions to external safety-related data paths		N/A
R.2.2.4	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, the programmable electronic circuits incorporate measures to address the fault/errors in safety-related segments and data indicated in table R.1 and R.2 as appropriate		N/A
R.2.2.5	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, detection of a fault/error occur before compliance with clause 19 is impaired		N/A
R.2.2.6	The software is referenced to relevant parts of the operating sequence and the associated hardware functions		N/A
R.2.2.7	Labels used for memory locations are unique		N/A
R.2.2.8	The software is protected from user alteration of safety-related segments and data		N/A
R.2.2.9	Software and safety-related hardware under its control is initialized and terminates before compliance with clause 19 is impaired		N/A
R.3	Measures to avoid errors		—
R.3.1	General		—
	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, the following measures to avoid systematic fault in the software are applied		—
	Software that incorporates measures used to control the fault/error conditions specified in table R.2 is inherently acceptable for software required to control the fault/error conditions specified in table R.1		N/A
R.3.2	Specification		—
R.3.2.1	Software safety requirements:		N/A
	The specification of the software safety requirements includes the descriptions listed		N/A
R.3.2.2	Software architecture		—

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Clause	Requirement + Test	Result - Remark	Verdict
R.3.2.2.1	The specification of the software architecture includes the aspects listed - techniques and measures to control software faults/errors (refer to R.2.2); - interactions between hardware and software; - partitioning into modules and their allocation to the specified safety functions; - hierarchy and call structure of the modules (control flow); - interrupt handling; - data flow and restrictions on data access; - architecture and storage of data; - time-based dependencies of sequences and data		N/A
R.3.2.2.2	The architecture specification is validated against the specification of the software safety requirements by static analysis		N/A
R.3.2.3	Module design and coding		—
R.3.2.3.1	Based on the architecture design, software is suitably refined into modules		N/A
	Software module design and coding is implemented in a way that is traceable to the software architecture and requirements		N/A
R.3.2.3.2	Software code is structured		N/A
R.3.2.3.3	Coded software is validated against the module specification by static analysis		N/A
	The module specification is validated against the architecture specification by static analysis		N/A
R.3.3.3	Software validation		—
	The software is validated with reference to the requirements of the software safety requirements specification		N/A
	Compliance is checked by simulation of:		—
	- input signals present during normal operation		N/A
	- anticipated occurrences		N/A
	- undesired conditions requiring system action		N/A

TABLE R.1 [e] – GENERAL FAULT/ERROR CONDITIONS						
Component [a]	Fault/error	Acceptable measures [b, c]	Definitions	Document reference for applied measure	Document reference for applied test	Ver-di ct

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Clause	Requirement + Test	Result - Remark	Verdict

1 CPU 1.1 Registers	Stuck at	Functional test, or periodic self-test using either: - static memory test, or - word protection with single bit redundancy	H.2.16.5 H.2.16.6 H.2.19.6 H.2.19.8.2			N/A
1.2 VOID						N/A
1.3 Programme counter	Stuck at	Functional test, or Periodic self-test, or Independent time-slot monitoring, or Logical monitoring of the programme sequence	H.2.16.5 H.2.16.6 H.2.18.10.4 H.2.18.10.2			N/A
2 Interrupt handling and execution	No interrupt or too frequent interrupt	Functional test, or time-slot monitoring	H.2.16.5 H.2.18.10.4			N/A
3 Clock	Wrong frequency (for quartz synchronized clock: harmonics/ sub-harmonics only)	Frequency monitoring, or time slot monitoring	H.2.18.10.1 H.2.18.10.4			N/A
4. Memory 4.1 Invariable memory	All single bit faults	Periodic modified checksum, or multiple checksum, or word protection with single bit redundancy	H.2.19.3.1 H.2.19.3.2 H.2.19.8.2			N/A
4.2 Variable memory	DC fault	Periodic static memory test, or word protection with single bit redundancy	H.2.19.6 H.2.19.8.2			N/A
4.3 Addressing (relevant to variable and invariable memory)	Stuck at	Word protection with single bit redundancy including the address	H.2.19.8.2			N/A

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Clause	Requirement + Test	Result - Remark	Verdict

5 Internal data path	Stuck at	Word protection with single bit redundancy	H.2.19.8.2			N/A
5.1 VOID						N/A
5.2 Addressing	Wrong address	Word protection with single bit redundancy including the address	H.2.19.8.2			N/A
6 External communication	Hamming distance 3	Word protection with multi-bit redundancy, or CRC – single work, or Transfer redundancy, or Protocol test	H.2.19.8.1 H.2.19.4.1 H.2.18.2.2 H.2.18.14			N/A
6.1 VOID						N/A
6.2 VOID						N/A
6.3 Timing	Wrong point in time	Time-slot monitoring, or scheduled transmission Time-slot and logical monitoring, or comparison of redundant communication channels by either: - reciprocal comparison - independent hardware comparator	H.2.18.10.4 H.2.18.18 H.2.18.10.3 H.2.18.15 H.2.18.3			N/A
	Wrong sequence	Logical monitoring, or time-slot monitoring, or Scheduled transmission	H.2.18.10.2 H.2.18.10.4 H.2.18.18			
7 Input/output periphery	Fault conditions specified in 19.11.2	Plausibility check	H.2.18.13			N/A
7.1 VOID						N/A
7.2 Analog I/O 7.2.1 A/D and D/A-converter	Fault conditions specified in 19.11.2	Plausibility check	H.2.18.13			N/A
7.2.2 Analog multiplexer	Wrong addressing	Plausibility check	H.2.18.13			N/A
8 VOID						N/A

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Clause	Requirement + Test	Result - Remark	Verdict

9 Custom chips [d] e.g. ASIC, GAL, gate array	Any output outside the static and dynamic functional specification	Periodic self-test	H.2.16.6			N/A
NOTE A Stuck-at fault model denotes a fault model representing an open circuit or a non-varying signal level. A DC fault model denotes a stuck-at fault model incorporating short circuit between signal lines.						
[a] For fault/error assessment, some components are divided into their sub-functions. [b] For each sub-function in the table, the Table R.2 measure will cover the software fault/error. [c] Where more than one measure is given for a sub-function, these are alternatives. [d] To be divided as necessary by the manufacturer into sub-functions. [e] Table R.1 is applied according to the requirements of R.1 to R.2.2.9 inclusive.						

AA	**ANNEX AA (INFORMATIVE) (IEC 60335-2-40)** **EXAMPLES FOR OPERATING TEMPERATURES OF THE APPLIANCE**	—

BB	**ANNEX BB (NORMATIVE) (IEC 60335-2-40)** **SELECTED INFORMATION ABOUT REFRIGERANTS**	—

CC	**ANNEX CC (INFORMATIVE) (IEC 60335-2-40)** **TRANSPORTATION, MARKING AND STORAGE FOR UNITS THAT EMPLOY FLAMMABLE REFRIGERANTS**		—
CC.1	Transport of equipment containing flammable refrigerants (IEC 60335-2-40)		N/A
CC.2	Marking of equipment using signs (IEC 60335-2-40)		N/A
CC.3	Disposal of equipment using flammable refrigerants (IEC 60335-2-40)		N/A
CC.4	Storage of equipment/appliances (IEC 60335-2-40)		N/A
CC.5	Storage of packed (unsold) equipment (IEC 60335-2-40)		N/A

DD	**ANNEX DD (NORMATIVE) (IEC 60335-2-40)** **INSTRUCTION MANUAL FOR SERVICING REFRIGERANT CONTAINING APPLIANCES**		—
DD.1	Symbols (IEC 60335-2-40)		N/A
DD.2.	Information in manual (IEC 60335-2-40)		N/A
DD.2.1	General (IEC 60335-2-40)		N/A
DD.2.2	Unventilated areas (IEC 60335-2-40)		N/A
DD.2.3	Qualification of workers (IEC 60335-2-40)		N/A
DD.3	Information on servicing (IEC 60335-2-40)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
DD3.1	Checks to the area (IEC 60335-2-40)		N/A
DD.3.2	Work procedure (IEC 60335-2-40)		N/A
DD.3.3	General work area (IEC 60335-2-40)		N/A
DD.3.4	Checking for presence of refrigerant (IEC 60335-2-40)		N/A
DD.3.5	Presence of fire extinguisher (IEC 60335-2-40)		N/A
DD.3.6	No ignition sources (IEC 60335-2-40)		N/A
DD.3.7	Ventilated area (IEC 60335-2-40)		N/A
DD.3.8	Checks to the refrigeration equipment (IEC 60335-2-40)		N/A
DD.3.9	Checks to electrical devices (IEC 60335-2-40)		N/A
DD.4	Repairs to sealed components (IEC 60335-2-40)		N/A
DD.5	Repair to intrinsically safe components (IEC 60335-2-40)		N/A
DD.6	Cabling (IEC 60335-2-40)		N/A
DD.7	Detection of flammable refrigerants (IEC 60335-2-40)		N/A
DD.8	Leak detection methods (IEC 60335-2-40)		N/A
DD.9	Removal and evacuation (IEC 60335-2-40)		N/A
DD.10	Charging procedures (IEC 60335-2-40)		N/A
DD.11	Decommissioning (IEC 60335-2-40)		N/A
DD.12	Labelling (IEC 60335-2-40)		N/A
DD.13	Recovery (IEC 60335-2-40)		N/A

EE	**ANNEX EE (NORMATIVE) (IEC 60335-2-40) PRESSURE TESTS**		—
EE.1	General (IEC 60335-2-40)		P
EE.2	Pressure test value determined under testing carried out in clause 11 (IEC 60335-2-40)		P
EE.3	Pressure test value determined under testing carried out in clause 19 (IEC 60335-2-40)		P
EE.4	Pressure test value determined under testing carried out under standstill conditions (IEC 60335-2-40)		P
EE.5	Fatigue test option for Clauses EE.1 and EE.4.1 (IEC 60335-2-40)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

FF	**ANNEX FF (NORMATIVE) (IEC/EN 60335-2-40) LEAK SIMULATION TESTS**		—
FF.1	General (IEC 60335-2-40)		N/A
FF.2	Test methods (IEC 60335-2-40)		N/A

GG	**ANNEX GG (NORMATIVE) (IEC/EN 60335-2-40) CHARGE LIMITS, VENTILATION REQUIREMENTS AND REQUIREMENTS FOR SECONDARY CIRCUITS**		—
GG.1	General (IEC 60335-2-40)		N/A
GG.2	Requirements for charge limits in unventilated areas (IEC 60335-2-40)		N/A
GG.3	Requirements for charge limits in areas with mechanical ventilation areas (IEC 60335-2-40)		N/A
GG.4	Requirements for mechanical ventilation within the appliance enclosure (IEC 60335-2-40)		N/A
GG.5	Requirements for mechanical ventilation for rooms complying with ISO 5149 (IEC 60335-2-40)		N/A
GG.6	Requirements for refrigeration systems employing secondary heat exchangers (IEC 60335-2-40)		N/A
GG.7	Additional testing (IEC 60335-2-40)		N/A
GG.8	Non-fixed factory sealed single package units with a charge amount of $m_1 < M \leq 2 \times m_1$ (IEC 60335-2-40)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

10.1	TABLE: Power input deviation				P
Input deviation of/at:	P rated (W)	P measured (W)	dP	Required dP	Remark
Configuration 1					
1. Outdoor unit M2OD-18HFN1-Q eqquiped with indoor unit MS11MU-18HRFN1-QRC8W combinations for testing					
230 V; 50 Hz	3200	1623	-49,3 %	+15 %	Cooling mode
230 V; 50 Hz	3200	2178	-31,9 %	+15 %	Heating mode
2. Outdoor unit M2OD-18HFN1-Q eqquiped with indoor unit MS11PU-18HRFN1-QW combinations for testing					
230 V; 50 Hz	3200	1527	-52,3 %	+15 %	Cooling mode
230 V; 50 Hz	3200	2597	-18,8 %	+15 %	Heating mode
Configuration 2					
3. Outdoor unit M4OA-36HFN1-Q (Welling fan motor) eqquiped with indoor unit MCA2I-09HRFN1-Q (Welling fan motor), MCA2I-18HRDN1(Welling fan motor), MTBI-09HRFN1-Q (Welling fan motor) and MTBI-18HWDN1-Q (Welling fan motor) combinations for testing					
230 V; 50 Hz	4800	4176	-13,0%	+15 %	Cooling mode
230 V; 50 Hz	4800	3940	-17,9%	+15 %	Heating mode
4. Outdoor unit M4OA-36HFN1-Q (Panasonic fan motor) eqquiped with indoor unit MCA2I-12HRFN1-Q (Panasonic fan motor), MCA2I-18HRDN1(Broad-Ocean fan motor), MTBI-12HRFN1-Q (Panasonic fan motor) and MTBI-12HRFN1-Q (Nidec Shibaura fan motor) combinations for testing					
230 V; 50 Hz	4800	4106	-14,5%	+15 %	Cooling mode
230 V; 50 Hz	4800	4024	-16,2%	+15 %	Heating mode
5. Outdoor unit M3OD-27HFN1-Q (Welling fan motor) eqquiped with indoor unit MTBI-12HRFN1-Q (Welling fan motor), MCA2I-12HRFN1-Q (Nidec Shibaura fan motor) and MTBI-12HRFN1-Q (Nidec Shibaura fan motor) combinations for testing					
230 V; 50 Hz	3600	2030	-43,6%	+15 %	Cooling mode
230 V; 50 Hz	3600	2908	-19,2%	+15 %	Heating mode
6. Outdoor unit M3OD-27HFN1-Q (Panasonic fan motor) eqquiped with indoor unit MCA2I-18HRDN1 (Welling fan motor), MTBI-18HWDN1-Q (Broad-Ocean fan motor) combinations for testing					
230 V; 50 Hz	3600	2990	-16,9%	+15 %	Cooling mode
230 V; 50 Hz	3600	2698	-25,1%	+15 %	Heating mode
7. Outdoor unit M2OD-18HFN1-Q (Welling fan motor) eqquiped with indoor unit MCA2I-12HRFN1-Q (Panasonic fan motor) and MTBI-12HRFN1-Q (Panasonic fan motor) combinations for testing					
230 V; 50 Hz	3200	1850	-42,2%	+15 %	Cooling mode
230 V; 50 Hz	3200	2240	-30,0%	+15 %	Heating mode
8. Outdoor unit M2OD-18HFN1-Q (Nidec Shibaura fan motor) eqquiped with indoor unit MCA2I-18HRDN1 (Nidec Shibaura fan motor) and MTBI-09HRFN1-Q (Welling fan motor) combinations for testing					
230 V; 50 Hz	3200	2285	-28,6%	+15 %	Cooling mode

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Clause	Requirement + Test		Result - Remark		Verdict

230 V; 50 Hz	3200	2260	-29,4%	+15 %	Heating mode
9. Outdoor unit M3OD-27HFN1-Q (Welling fan motor) eqquiped with indoor unit MS9AI-07HRFN1-QRC8W (Welling fan motor), MS9AU-12HRDN1-QRC8W (Welling fan motor), MS9AU-18HRFN1- QRC8W (Welling fan motor) combinations for testing					
230 V; 50 Hz	3600	1970	-45,3%	+15 %	Cooling mode
230 V; 50 Hz	3600	1939	-46,1%	+15 %	Heating mode
10. Outdoor unit M2OD-18HFN1-Q (Panasonic fan motor) eqquiped with indoor unit MS9AI-07HRFN1-QRC8W (Nidec Shibaura fan motor), MS9AU-18HRFN1- QRC8W (Nidec Shibaura fan motor) combinations for testing					
230 V; 50 Hz	3200	1662	-48,1%	+15 %	Cooling mode
230 V; 50 Hz	3200	1568	-51,0%	+15 %	Heating mode
11. Outdoor unit M2OD-18HFN1-Q (Nidec Shibaura fan motor) eqquiped with indoor unit MS11PU-12HRFN1-QRC8W (Panasonic fan motor), MS9AU-18HRFN1- QRC8W (Panasonic fan motor) combinations for testing					
230 V; 50 Hz	3200	1742	-45,6%	+15 %	Cooling mode
230 V; 50 Hz	3200	1731	-45,9%	+15 %	Heating mode
Configuration 3					
12. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MS12FU-09HRDN1-QRC8W, MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS12FU-12HRFN1-QRC8W combinations for testing					
230 V; 50 Hz	3700	2925	-20,9%	+15 %	Cooling mode
230 V; 50 Hz	3700	2932	-20,8%	+15 %	Heating mode
13. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MFAU-12HRFN1-QRC8, MCA2I-09HRFN1-QRC8 and MTBI-09HWFN1-QRC8 combinations for testing					
230 V; 50 Hz	3300	2408	-27,0%	+15 %	Cooling mode
230 V; 50 Hz	3300	1989	-39,7%	+15 %	Heating mode
14. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-09HWFN1-QRC8, MFAU-12HRFN1-QRC8, MTBI-09HWFN1-QRC8 and MCA2I-18HRDN1-QRC8 combinations for testing					
230 V; 50 Hz	3700	2780	-24,9%	+15 %	Cooling mode
230 V; 50 Hz	3700	2731	-26,2%	+15 %	Heating mode
15. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS11MU-12HRFN1-QRD0W(B) combinations for testing					
230 V; 50 Hz	3300	2458	-25,5%	+15 %	Cooling mode
230 V; 50 Hz	3300	2071	-37,2%	+15 %	Heating mode
16. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-07HWFN1-QRC8, MS12FI-07HRDN1-QRC8W, MCA2I-07HRFN1-QRC8 and MS12FU-18HRFN1-QRC8W combinations for testing					
230 V; 50 Hz	3700	2867	-22,5%	+15 %	Cooling mode
230 V; 50 Hz	3700	2745	-25,8%	+15 %	Heating mode
17. Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11M-18HRFN1-QRC8Q1W, MTBU-12HWFN1-QRC8, MFAU-12HRFN1-QRC8 and MTBU-12HWFN1-QRC8 combinations for testing.					

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230 V; 50 Hz	4900	3557	-24,7%	+15 %	Cooling mode
230 V; 50 Hz	4900	4034	-17,7%	+15 %	Heating mode
18. Outdoor unit M2OD-14HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW and MS12FU-09HRDN1-QRC8W combinations for testing.					
230 V; 50 Hz	2400	1855	-22,7%	+15 %	Cooling mode
230 V; 50 Hz	2400	1861	-22,5%	+15 %	Heating mode
19. Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B), MS12FU-18HRFN1-QRC8W, MS12FI-07HRDN1-QRC8W, MS12FU-09HRFN1-QRC8W and MS11MI-07HRFN1-QW combinations for testing					
230 V; 50 Hz	4900	4469	-8,8%	+15 %	Cooling mode
230 V; 50 Hz	4900	3970	-19,0%	+15 %	Heating mode
20. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MTBI-09HRFN1-Q and MCA21-09HRFN1-Q combinations for testing					
230 V; 50 Hz	2400	2053	-14,5%	+15 %	Cooling mode
230 V; 50 Hz	2400	1737	-27,6%	+15 %	Heating mode
21. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B) and MFAI-07HRFN1-QRC8 combinations for testing					
230 V; 50 Hz	2400	1804	-24,8%	+15 %	Cooling mode
230 V; 50 Hz	2400	1721	-28,3%	+15 %	Heating mode
22. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MTBI-18HWDN1-QRC8 and MFAI-09HRFN1-QRC8 combinations for testing					
230 V; 50 Hz	3300	2034	-38,4%	+15 %	Cooling mode
230 V; 50 Hz	3300	1987	-39,8%	+15 %	Heating mode
23. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MS12FU-09HRDN1-QRC8W, MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS12FU-12HRFN1-QRC8W combinations for testing					
230 V; 50 Hz	3700	2781	-24,8%	+15 %	Cooling mode
230 V; 50 Hz	3700	2948	-20,3%	+15 %	Heating mode
24. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MFAU-12HRFN1-QRC8, MCA2I-09HRFN1-QRC8 and MTBI-09HWFN1-QRC8 combinations for testing					
230 V; 50 Hz	3300	2325	-29,5%	+15 %	Cooling mode
230 V; 50 Hz	3300	2006	-39,2%	+15 %	Heating mode
25. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-09HWFN1-QRC8, MFAU-12HRFN1-QRC8, MTBI-09HWFN1-QRC8 and MCA2I-18HRDN1-QRC8 combinations for testing					
230 V; 50 Hz	3700	2755	-25,5%	+15 %	Cooling mode
230 V; 50 Hz	3700	2037	-44,9%	+15 %	Heating mode
26. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS11MU-12HRFN1-QRD0W(B) combinations for testing					
230 V; 50 Hz	3300	2465	-25,3%	+15 %	Cooling mode
230 V; 50 Hz	3300	2543	-22,9%	+15 %	Heating mode

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27. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-07HWFN1-QRC8, MS12FI-07HRDN1-QRC8W, MCA2I-07HRFN1-QRC8 and MS12FU-18HRFN1-QRC8W combinations for testing					
230 V; 50 Hz	3700	2888	-21,9%	+15 %	Cooling mode
230 V; 50 Hz	3700	2745	-25,8%	+15 %	Heating mode
28. Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11M-18HRFN1-QRC8Q1W, MTBU-12HWFN1-QRC8, MFAU-12HRFN1-QRC8 and MTBU-12HWFN1-QRC8 combinations for testing.					
230 V; 50 Hz	4900	3447	-29,6%	+15 %	Cooling mode
230 V; 50 Hz	4900	4036	-17,6%	+15 %	Heating mode
29. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MI-07HRFN1-QW and MS12FU-09HRDN1-QRC8W combinations for testing.					
230 V; 50 Hz	2400	1820	-24,2%	+15 %	Cooling mode
230 V; 50 Hz	2400	1832	-23,7%	+15 %	Heating mode
30. Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B), MS12FU-18HRFN1-QRC8W, MS12FI-07HRDN1-QRC8W, MS12FU-09HRFN1-QRC8W and MS11MI-07HRFN1-QW combinations for testing					
230 V; 50 Hz	4900	4468	-8,8%	+15 %	Cooling mode
230 V; 50 Hz	4900	3971	-20,1%	+15 %	Heating mode
31. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MTBI-09HRFN1-Q and MCA21-09HRFN1-Q combinations for testing					
230 V; 50 Hz	2400	2050	-14,6%	+15 %	Cooling mode
230 V; 50 Hz	2400	1738	-27,6%	+15 %	Heating mode
32. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B) and MFAI-07HRFN1-QRC8 combinations for testing					
230 V; 50 Hz	2400	1797	-25,1%	+15 %	Cooling mode
230 V; 50 Hz	2400	1718	-28,4%	+15 %	Heating mode
33. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MTBI-18HWDN1-QRC8 and MFAI-09HRFN1-QRC8 combinations for testing					
230 V; 50 Hz	3300	2013	-39,0%	+15 %	Cooling mode
230 V; 50 Hz	3300	1979	-40,0%	+15 %	Heating mode
Configuration 4					
34. Outdoor unit M2OE-18HFN1-Q (Panasonic, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Welling, RPG20E) and MS12FU-12HRFN1-QRD0GW (Panasonic, WZDK20-38G) combinations for testing					
230 V; 50 Hz	2950	2270	-23,1 %	+15 %	Cooling mode
230 V; 50 Hz	2950	2766	-6,2 %	+15 %	Heating mode
35. Outdoor unit M2OE-18HFN1-Q (Shibaura, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Broad-ocean, RPG20E) and MS12FU-12HRFN1-QRD0GW (Shibaura, WZDK20-38G) combinations for testing					
230 V; 50 Hz	2950	2258	-23,5 %	+15 %	Cooling mode

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230 V; 50 Hz	2950	2795	-5,3 %	+15 %	Heating mode
36. Outdoor unit M2OE-18HFN1-Q (Welling, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Tongde, RPG20E) and MS12FU-12HRFN1-QRD0GW (Welling, WZDK20-38G) combinations for testing					
230 V; 50 Hz	2950	2239	-24,1 %	+15 %	Cooling mode
230 V; 50 Hz	2950	2849	-3,4 %	+15 %	Heating mode
37. Outdoor unit M3OD-26HFN1-Q (Panasonic, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Welling, RPG20E), MS12FU-12HRFN1-QRD0GW (Panasonic, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Wolong, RPG20E) combinations for testing					
230 V; 50 Hz	3300	2471	-25,1 %	+15 %	Cooling mode
230 V; 50 Hz	3300	1994	-39,6 %	+15 %	Heating mode
38. Outdoor unit M3OD-26HFN1-Q (Shibaura, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Broad-ocean, RPG20E), MS12FU-12HRFN1-QRD0GW (Shibaura, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Tongde, RPG20E) combinations for testing					
230 V; 50 Hz	3300	2473	-25,1 %	+15 %	Cooling mode
230 V; 50 Hz	3300	1941	-41,2 %	+15 %	Heating mode
39. Outdoor unit M3OD-26HFN1-Q (Welling, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Wolong, RPG20E), MS12FU-12HRFN1-QRD0GW (Welling, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Broad-ocean, RPG20E) combinations for testing					
230 V; 50 Hz	3300	2467	-25,2 %	+15 %	Cooling mode
230 V; 50 Hz	3300	1972	-40,2 %	+15 %	Heating mode
40. Outdoor unit M3OD-26HFN1-Q (Welling, WZDK50-38G) eqquiped with indoor unit MS12FU-18HRFN1-QRC8GW (Welling, WZDK30-38G), MS12FU-09HRFN1-QRD0GW (Welling, WZDK20-38G) and MS12FU-09HRFN1-QRD0GW (Shibaura, WZDK20-38G) combinations for testing					
230 V; 50 Hz	3300	2498	-16,7 %	+15 %	Cooling mode
230 V; 50 Hz	3300	2073	-37,2 %	+15 %	Heating mode
41. Outdoor unit M2OD-18HFN1-Q eqquiped with indoor unit MCA2I-18HRDN1 (and MTBI-09HRFN1-Q combinations for testing					
230 V; 50 Hz	2700	2285	-15,4 %	+15 %	Cooling mode
230 V; 50 Hz	2700	2260	-16,3 %	+15 %	Heating mode
42. Outdoor unit M3OD-27HFN1-Q eqquiped with indoor unit MCA2I-18HRDN1 and MTBI-18HWDN1-Q combinations for testing					
230 V; 50 Hz	3400	2990	-12,1 %	+15 %	Cooling mode
230 V; 50 Hz	3400	2698	-20,6 %	+15 %	Heating mode
43. Outdoor unit M4OA-36HFN1-Q eqquiped with indoor unit MCA2I-09HRFN1-Q, MCA2I-18HRDN1, MTBI-09HRFN1-Q and MTBI-18HWDN1-Q combinations for testing					
230 V; 50 Hz	4600	4176	-9,2 %	+15 %	Cooling mode
230 V; 50 Hz	4600	3940	-14,3 %	+15 %	Heating mode
44. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MTBI-09HRFN1-Q and MCA21-09HRFN1-Q combinations for testing					

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230 V; 50 Hz	2000	2053	2,7 %	+15 %	Cooling mode
230 V; 50 Hz	2000	1737	-13,2 %	+15 %	Heating mode
45. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS11MU-12HRFN1-QRD0W(B) combinations for testing					
230 V; 50 Hz	2800	2458	-12,2 %	+15 %	Cooling mode
230 V; 50 Hz	2800	2071	-26,0 %	+15 %	Heating mode
46. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-07HWFN1-QRC8, MS12FI-07HRDN1-QRC8W, MCA2I-07HRFN1-QRC8 and MS12FU-18HRFN1-QRC8W combinations for testing					
230 V; 50 Hz	3500	2888	-17,5 %	+15 %	Cooling mode
230 V; 50 Hz	3500	2745	-21,6 %	+15 %	Heating mode
47. Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B), MS12FU-18HRFN1-QRC8W, MS12FI-07HRDN1-QRC8W, MS12FU-09HRFN1-QRC8W and MS11MI-07HRFN1-QW combinations for testing					
230 V; 50 Hz	4700	4468	-4,9 %	+15 %	Cooling mode
230 V; 50 Hz	4700	3971	-15,5 %	+15 %	Heating mode
48. Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW and MS12FU-12HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	2600	2270	-12,7 %	+15 %	Cooling mode
230 V; 50 Hz	2600	2766	6,4 %	+15 %	Heating mode
49. Outdoor unit M3OD-26HFN1-Q eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW, MS12FU-12HRFN1-QRD0GW and MS12FU-09HRDN1-QRC8GW combinations for testing					
230 V; 50 Hz	2800	2471	-11,8 %	+15 %	Cooling mode
230 V; 50 Hz	2800	1994	-28,8 %	+15 %	Heating mode
50. Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing					
230 V; 50 Hz	2400	1127,9	-53,0 %	+15 %	Cooling mode
230 V; 50 Hz	2400	1187,7	-50,5 %	+15 %	Heating mode
51. Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor					
230 V; 50 Hz	2400	1122,3	-53,2 %	+15 %	Cooling mode
230 V; 50 Hz	2400	1187,7	-50,5 %	+15 %	Heating mode
52. Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor					
230 V; 50 Hz	2400	1119,8	-53,3 %	+15 %	Cooling mode
230 V; 50 Hz	2400	1166,6	-51,4 %	+15 %	Heating mode
53. Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing					
230 V; 50 Hz	2600	1346,3	-48,2 %	+15 %	Cooling mode
230 V; 50 Hz	2600	1520,0	-41,5 %	+15 %	Heating mode

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54. Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor					
230 V; 50 Hz	2600	1339,8	-48,5 %	+15 %	Cooling mode
230 V; 50 Hz	2600	1543,4	-40,6 %	+15 %	Heating mode
55. Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor					
230 V; 50 Hz	2600	1344,2	-48,3 %	+15 %	Cooling mode
230 V; 50 Hz	2600	1548,1	-40,5 %	+15 %	Heating mode
56. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	5600	4456,0	-20,4 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4063,0	-27,4 %	+15 %	Heating mode
57. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	4434,0	-20,8 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4113,0	-26,6 %	+15 %	Heating mode
58. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	4414,0	-21,2 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4030,0	-28,0 %	+15 %	Heating mode
59. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	5600	4900,0	-12,5 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4160,0	-25,7 %	+15 %	Heating mode
60. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	4890,0	-12,7 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4152,0	-25,9 %	+15 %	Heating mode
61. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	4918,0	-12,2 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4157,0	-25,8 %	+15 %	Heating mode
62. Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing					
230 V; 50 Hz	4700	4606,3	-2,0 %	+15 %	Cooling mode

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230 V; 50 Hz	4700	3508,8	-25,3 %	+15 %	Heating mode
63. Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing with alternative fan motor					
230 V; 50 Hz	4700	4586,4	-2,4 %	+15 %	Cooling mode
230 V; 50 Hz	4700	3509,7	-25,3 %	+15 %	Heating mode
64. Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing with alternative fan motor					
230 V; 50 Hz	4700	4595,9	-2,2 %	+15 %	Cooling mode
230 V; 50 Hz	4700	3506,6	-25,4 %	+15 %	Heating mode
65. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	5600	4923,3	-12,1 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4038,0	-27,9 %	+15 %	Heating mode
66. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	4871,3	-13,0 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4554,0	-18,7 %	+15 %	Heating mode
67. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	4883,9	-12,8 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4574,0	-18,3 %	+15 %	Heating mode
68. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	5600	5191,6	-7,3 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4270,5	-23,7 %	+15 %	Heating mode
69. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	5206,9	-7,0 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4258,6	-24,0 %	+15 %	Heating mode
70. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	5210,0	-7,0 %	+15 %	Cooling mode
230 V; 50 Hz	5600	4240,8	-24,3 %	+15 %	Heating mode

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71. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	5600	5134,3	-8,3 %	+15 %	Cooling mode
230 V; 50 Hz	5600	3750,2	-33,0 %	+15 %	Heating mode
72. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	5274,7	-5,8 %	+15 %	Cooling mode
230 V; 50 Hz	5600	3830,0	-31,6 %	+15 %	Heating mode
73. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	5600	5565,0	-0,6 %	+15 %	Cooling mode
230 V; 50 Hz	5600	3822,5	-31,7 %	+15 %	Heating mode
74. Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MS12FU-12HRDN1-QRD0GW(C) and MCA3I-18HRDN1-QRC8 combinations for testing					
230 V; 50 Hz	3300	3210,0	-2,7 %	+15 %	Cooling mode
230 V; 50 Hz	3300	2600,0	-21,2 %	+15 %	Heating mode
75. Outdoor unit M4OE-28HFN1-Q eqquiped with indoor unit MTBI-07HWFN1-QRD0, MTBI-09HWFN1-QRD0, MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW combinations for testing					
230 V; 50 Hz	3500	3500,0	0,0 %	+15 %	Cooling mode
230 V; 50 Hz	3500	2430,0	-30,6 %	+15 %	Heating mode
76. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSAEAU-09HRFN1-QRD0GW, MSAEBU-12HRFN1-QRD0GW, MSAECU-18HRFN1-QRD0GW and MSAEDU-24HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	4600	4498,0	-2,2 %	+15 %	Cooling mode
230 V; 50 Hz	4600	2603,0	-43,4 %	+15 %	Heating mode
77. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSVPBU-09HRFN1-QRD0GW, MSVPBU-12HRFN1-12HRFN1-QRD0GW, MSVPCU-18HRFN1-QRD0GW and MSVPDU-24HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	4600	4657,0	1,2 %	+15 %	Cooling mode
230 V; 50 Hz	4600	3456,0	-24,9 %	+15 %	Heating mode
78. Outdoor unit M5OE-42HFN1-Q eqquiped with indoor unit MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-18HRFN1-QRD0GW, MTBI-18HWDN1-QRC8 and MCA3U-12HRFN1-QRD0W combinations for testing					
230 V; 50 Hz	4700	5200,0	10,6 %	+15 %	Cooling mode
230 V; 50 Hz	4700	3348,0	-28,8 %	+15 %	Heating mode
79. Outdoor unit M2OF-18HFN1-Q eqquiped with indoor unit MS11MU-09HRFN1-QRD0GW and MS11MU-12HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	2300	2020,0	-12,2 %	+15 %	Cooling mode

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230 V; 50 Hz	2300	1691,0	-26,5 %	+15 %	Heating mode
80. Outdoor unit: M3OE-21HFN1-Q + indoor unit 1: MCA3I-07HRFN1-QRC8 + indoor unit 2: MTBI-07HWFN1-QRD0 + indoor unit 3: MS11MU-09HRFN1-QRD0GW.					
230 V; 50 Hz	2800	2323	-17,1 %	+15 %	Cooling mode
230 V; 50 Hz	2800	1451	-48,2 %	+15 %	Heating mode
81. Outdoor unit: M2OE-14HFN1-Q + indoor unit 1: MCA3I-07HRFN1-QRC8 + indoor unit 2: MTBI-07HWFN1-QRD0.					
230 V; 50 Hz	2000	1593	-20,4 %	+15 %	Cooling mode
230 V; 50 Hz	2000	1146	-42,7 %	+15 %	Heating mode
82. Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	3300	2867	-13,1 %	+15 %	Cooling mode
230 V; 50 Hz	3300	2823	-14,5 %	+15 %	Heating mode
83. Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	3300	2859	-13,4 %	+15 %	Cooling mode
230 V; 50 Hz	3300	2826	-14,4 %	+15 %	Heating mode
84. Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	3300	2858	-13,4 %	+15 %	Cooling mode
230 V; 50 Hz	3300	2828	-14,3 %	+15 %	Heating mode
85. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	4600	3166	-31,2 %	+15 %	Cooling mode
230 V; 50 Hz	4600	3456	-24,9 %	+15 %	Heating mode
86. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	4600	3149	-31,6 %	+15 %	Cooling mode
230 V; 50 Hz	4600	3458	-24,8 %	+15 %	Heating mode
87. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	4600	3149	-31,6 %	+15 %	Cooling mode
230 V; 50 Hz	4600	3391	-26,3 %	+15 %	Heating mode
88. Outdoor unit M2OF-18HFN1-Q eqquiped with indoor unit MSABAU-09HRFN1-QRD0GW(B) and MSABBU-12HRFN1-QRD0GW(B) combinations for testing					
230 V; 50 Hz	2300	1975	-14,1 %	+15 %	Cooling mode
230 V; 50 Hz	2300	1674	-27,2 %	+15 %	Heating mode

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89. Outdoor unit: M2OF-18HFN1-Q + indoor unit: MS11MU-09HRFN1-QRD0GW + indoor unit: MS11MU-12HRFN1-QRD0GW					
230 V; 50 Hz	2300	1971	-14,3 %	+15 %	Cooling mode
230 V; 50 Hz	2300	1666	27,6 %	+15 %	Heating mode
90. Outdoor unit M2OF-14HFN1-Q drives indoor unit MSABAU-09HRFN1-QRD0GW(B) and MSABBU-12HRFN1-QRD0GW(B)					
230 V; 50 Hz	2650	2018	-23,8 %	+15 %	Cooling mode
230 V; 50 Hz	2650	1481	-44,1 %	+15 %	Heating mode
91. Outdoor unit M5OE-42HFN1-Q equipped with indoor unit MSAFBU-09HRDN8-QRD0GW + indoor unit MSAFBU-12HRDN8-QRD0GW + indoor unit MSAFCU-18HRFNX-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Welling) + indoor unit MTIU-12HWFNX-QRD0W.					
230 V; 50 Hz	4700	4682,4	-0,4 %	+15 %	Cooling mode
230 V; 50 Hz	4700	3345,8	-28,8 %	+15 %	Heating mode
92. Outdoor unit M4OB-36HFN1-Q equipped with indoor unit MSAFCU-18HRFNX-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean) + indoor unit MSAFDU-24HRFNX-QRD0GW with fan motor WZDK58-38G (ZKFP-58-8-1) (Nidec).					
230 V; 50 Hz	4600	4667,3	1,5%	+15 %	Cooling mode
230 V; 50 Hz	4600	3111,1	-32,4%	+15 %	Heating mode
93. Outdoor unit M4OB-36HFN1-Q equipped with indoor unit MSAFCU-18HRFNX-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Nidec) + indoor unit MSAFDU-24HRFNX-QRD0GW with fan motor WZDK58-38G (ZKFP-58-8-1) (Broad-Ocean).					
230 V; 50 Hz	4600	4628,0	0,6%	+15 %	Cooling mode
230 V; 50 Hz	4600	3367,5	-26,8%	+15 %	Heating mode
94. Outdoor unit M2OE-14HFN1-Q with fan motor ZKFN-40-8-1L (Broad-Ocean) + indoor unit MSMAAU-09HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAFAU-09HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence)					
230 V; 50 Hz	2000	1752,2	-12,4%	+15 %	Cooling mode
230 V; 50 Hz	2000	1543,5	-22,8%	+15 %	Heating mode
95. Outdoor unit M2OF-18HFN1-Q with fan motor ZKFN-40-8-1L (Broad-Ocean) + indoor unit with MSVPCU-18HRFN1-QRD0GW fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)					
230 V; 50 Hz	2300	1988,2	-13,6%	+15 %	Cooling mode
230 V; 50 Hz	2300	1724,3	-25,0%	+15 %	Heating mode
96. Outdoor unit M3OE-21HFN1-Q with fan motor ZKFN-50-8-2 (Broad-Ocean) + indoor unit MSMAAU-09HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSMABU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence)					
230 V; 50 Hz	2800	2544,3	-9,1%	+15 %	Cooling mode
230 V; 50 Hz	2800	2287,6	-18,3%	+15 %	Heating mode
97. Outdoor unit M3OE-27HFN1-Q with fan motor ZKFN-50-8-2 (Broad-Ocean) + indoor unit MSAFBU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)					
230 V; 50 Hz	3300	3014,1	-8,7%	+15 %	Cooling mode

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230 V; 50 Hz	3300	2865,8	-13,2%	+15 %	Heating mode
98. Outdoor unit M4OE-28HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Broad-Ocean) + indoor unit MSAFBU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)					
230 V; 50 Hz	3500	3368,7	-3,8%	+15 %	Cooling mode
230 V; 50 Hz	3500	3131,2	-10,5%	+15 %	Heating mode
99. Outdoor unit M4OE-28HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Wolong) + indoor unit MSAFBU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)					
230 V; 50 Hz	3500	3432,1	-1,9%	+15 %	Cooling mode
230 V; 50 Hz	3500	3201,5	-8,5%	+15 %	Heating mode
100. Outdoor unit M4OB-36HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Broad-Ocean) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)					
230 V; 50 Hz	4600	4489,6	-2,4%	+15 %	Cooling mode
230 V; 50 Hz	4600	4258,7	-7,4%	+15 %	Heating mode
101. Outdoor unit M4OB-36HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Wolong) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)					
230 V; 50 Hz	4600	4456,9	-3,1%	+15 %	Cooling mode
230 V; 50 Hz	4600	4302,5	-6,5%	+15 %	Heating mode
102. Outdoor unit M5OE-42HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Broad-Ocean) + indoor unit MCA3U-12HRFN1-QRD0W with fan motor WZDK46-38G (ZKFP-46-8-1) (Broad-Ocean) + indoor unit MTBU-12HWFN1-QRD0W with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)					
230 V; 50 Hz	4700	4568,9	-2,8%	+15 %	Cooling mode
230 V; 50 Hz	4700	4322,4	-8,0%	+15 %	Heating mode
103. Outdoor unit M5OE-42HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Wolong) + indoor unit MCA3U-12HRFN1-QRD0W with fan motor WZDK46-38G (ZKFP-46-8-1) (Broad-Ocean) + indoor unit MTBU-12HWFN1-QRD0W with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)					
230 V; 50 Hz	4700	4546,8	-3,3%	+15 %	Cooling mode
230 V; 50 Hz	4700	4401,2	-6,4%	+15 %	Heating mode
Note: -Fan motors had two or three manufacturers, the appliances equipped with the fan motors were select for testings, after comparing, the worse combination were subjucted the following testings. See the configuration above. -The most unfavourable test result were record.					

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10.2	TABLE: Current deviation				P
Input deviation of/at:	I rated (A)	I measured (A)	dI	Required dI	Remark
Configuration 1					
1. Outdoor unit M2OD-18HFN1-Q eqquiped with indoor unit MS11MU-18HRFN1-QRC8W combinations for testing					
230 V; 50 Hz	14,5	7,2	-50,3%	+15 %	Cooling mode
230 V; 50 Hz	14,5	9,6	-33,8%	+15 %	Heating mode
2. Outdoor unit M2OD-18HFN1-Q eqquiped with indoor unit MS11PU-18HRFN1-QW combinations for testing					
230 V; 50 Hz	14,5	6,8	-53,1%	+15 %	Cooling mode
230 V; 50 Hz	14,5	11,0	-24,1%	+15 %	Heating mode
Configuration 2					
3. Outdoor unit M4OA-36HFN1-Q (Welling fan motor) eqquiped with indoor unit MCA2I-09HRFN1-Q (Welling fan motor), MCA2I-18HRDN1(Welling fan motor), MTBI-09HRFN1-Q (Welling fan motor) and MTBI-18HWDN1-Q (Welling fan motor) combinations for testing					
230 V; 50 Hz	21,5	18,2	-15,3%	+15 %	Cooling mode
230 V; 50 Hz	21,5	17,2	-20,0%	+15 %	Heating mode
4. Outdoor unit M4OA-36HFN1-Q (Panasonic fan motor) eqquiped with indoor unit MCA2I-12HRFN1-Q (Panasonic fan motor), MCA2I-18HRDN1(Broad-Ocean fan motor), MTBI-12HRFN1-Q (Panasonic fan motor) and MTBI-12HRFN1-Q (Nidec Shibaura fan motor) combinations for testing					
230 V; 50 Hz	21,5	17,9	-16,7%	+15 %	Cooling mode
230 V; 50 Hz	21,5	17,7	-17,7%	+15 %	Heating mode
5. Outdoor unit M3OD-27HFN1-Q (Welling fan motor) eqquiped with indoor unit MTBI-12HRFN1-Q(Welling fan motor), MCA2I-12HRFN1-Q(Nidec Shibaura fan motor) and MTBI-12HRFN1-Q (Nidec Shibaura fan motor) combinations for testing					
230 V; 50 Hz	16,5	9,1	-44,8%	+15 %	Cooling mode
230 V; 50 Hz	16,5	12,9	-21,8%	+15 %	Heating mode
6. Outdoor unit M3OD-27HFN1-Q (Panasonic fan motor) eqquiped with indoor unit MCA2I-18HRDN1 (Welling fan motor), MTBI-18HWDN1-Q (Broad-Ocean fan motor) combinations for testing					
230 V; 50 Hz	16,5	13,2	-20,0 %	+15 %	Cooling mode
230 V; 50 Hz	16,5	11,9	-27,9 %	+15 %	Heating mode
7. Outdoor unit M2OD-18HFN1-Q (Welling fan motor) eqquiped with indoor unit MCA2I-12HRFN1-Q (Panasonic fan motor) and MTBI-12HRFN1-Q (Panasonic fan motor) combinations for testing.					
230 V; 50 Hz	14,5	8,3	-42,8 %	+15 %	Cooling mode
230 V; 50 Hz	14,5	9,9	-31,7 %	+15 %	Heating mode
8.Outdoor unit M2OD-18HFN1-Q (Nidec Shibaura fan motor) eqquiped with indoor unit MCA2I-18HRDN1 (Nidec Shibaura fan motor) and MTBI-09HRFN1-Q (Welling fan motor) combinations for testing					
230 V; 50 Hz	14,5	10,0	-31,0 %	+15 %	Cooling mode

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230 V; 50 Hz	14,5	9,9	-31,7 %	+15 %	Heating mode
9. Outdoor unit M3OD-27HFN1-Q (Welling fan motor) eqquiped with indoor unit MS9AI-07HRFN1-QRC8W (Welling fan motor), MS9AU-12HRDN1-QRC8W (Welling fan motor), MS9AU-18HRFN1- QRC8W (Welling fan motor) combinations for testing					
230 V; 50 Hz	16,5	9,0	-45,5 %	+15 %	Cooling mode
230 V; 50 Hz	16,5	8,9	-46,1 %	+15 %	Heating mode
10. Outdoor unit M2OD-18HFN1-Q (Panasonic fan motor) eqquiped with indoor unit MS9AI-07HRFN1-QRC8W (Nidec Shibaura fan motor), MS9AU-18HRFN1- QRC8W (Nidec Shibaura fan motor) combinations for testing					
230 V; 50 Hz	14,5	7,6	-47,6 %	+15 %	Cooling mode
230 V; 50 Hz	14,5	7,2	-50,3 %	+15 %	Heating mode
11. Outdoor unit M2OD-18HFN1-Q (Nidec Shibaura fan motor) eqquiped with indoor unit MS11PU-12HRFN1-QRC8W (Panasonic fan motor), MS9AU-18HRFN1- QRC8W (Panasonic fan motor) combinations for testing					
230 V; 50 Hz	14,5	8,0	-44,8 %	+15 %	Cooling mode
230 V; 50 Hz	14,5	7,9	-45,5 %	+15 %	Heating mode
Configuration 3					
12. Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MS12FU-09HRDN1-QRC8W, MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS12FU-12HRFN1-QRC8W combinations for testing.					
230 V; 50 Hz	17,0	12,8	-24,7%	+15 %	Cooling mode
230 V; 50 Hz	17,0	12,9	-24,1%	+15 %	Heating mode
13. Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MFAU-12HRFN1-QRC8, MCA2I-09HRFN1-QRC8 and MTBI-09HWFN1-QRC8 combinations for testing					
230 V; 50 Hz	15,0	10,6	-29,3%	+15 %	Cooling mode
230 V; 50 Hz	15,0	8,9	-40,7%	+15 %	Heating mode
14. Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MTBI-09HWFN1-QRC8, MFAU-12HRFN1-QRC8, MTBI-09HWFN1-QRC8 and MCA2I-18HRDN1-QRC8 combinations for testing					
230 V; 50 Hz	17,0	12,3	27,6%	+15 %	Cooling mode
230 V; 50 Hz	17,0	12,1	-28,8%	+15 %	Heating mode
15. Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS11MU-12HRFN1-QRD0W(B) combinations for testing					
230 V; 50 Hz	15,0	10,8	-28,0%	+15 %	Cooling mode
230 V; 50 Hz	15,0	9,2	-38,7%	+15 %	Heating mode
16. Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MTBI-07HWFN1-QRC8, MS12FI-07HRDN1-QRC8W, MCA2I-07HRFN1-QRC8 and MS12FU-18HRFN1-QRC8W combinations for testing					
230 V; 50 Hz	17,0	12,7	-25,3%	+15 %	Cooling mode
230 V; 50 Hz	17,0	12,3	-27,6%	+15 %	Heating mode
17. Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MS11M-18HRFN1-QRC8Q1W, MTBU-12HWFN1-QRC8, MFAU-12HRFN1-QRC8 and MTBU-12HWFN1-QRC8 combinations for testing.					

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230 V; 50 Hz	22,0	15,7	-28,6%	+15 %	Cooling mode
230 V; 50 Hz	22,0	17,6	-20%	+15 %	Heating mode
18. Outdoor unit M2OD-14HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW and MS12FU-09HRDN1-QRC8W combinations for testing.					
230 V; 50 Hz	11,0	8,3	-24,5%	+15 %	Cooling mode
230 V; 50 Hz	11,0	8,1	-26,4%	+15 %	Heating mode
19. Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B), MS12FU-18HRFN1-QRC8W, MS12FI-07HRDN1-QRC8W, MS12FU-09HRFN1-QRC8W and MS11MI-07HRFN1-QW combinations for testing					
230 V; 50 Hz	22,0	19,5	-11,4%	+15 %	Cooling mode
230 V; 50 Hz	22,0	17,4	-20,9%	+15 %	Heating mode
20. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MTBI-09HRFN1-Q and MCA21-09HRFN1-Q combinations for testing					
230 V; 50 Hz	11,0	9,2	-16,4%	+15 %	Cooling mode
230 V; 50 Hz	11,0	7,8	-29,1%	+15 %	Heating mode
21. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B) and MFAI-07HRFN1-QRC8 combinations for testing					
230 V; 50 Hz	11,0	8,04	-26,9%	+15 %	Cooling mode
230 V; 50 Hz	11,0	7,68	-30,2%	+15 %	Heating mode
22. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MTBI-18HWDN1-QRC8 and MFAI-09HRFN1-QRC8 combinations for testing.					
230 V; 50 Hz	15,0	9,0	-40,0%	+15 %	Cooling mode
230 V; 50 Hz	15,0	8,8	-41,3%	+15 %	Heating mode
23. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MS12FU-09HRDN1-QRC8W, MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS12FU-12HRFN1-QRC8W combinations for testing.					
230 V; 50 Hz	17,0	12,3	-27,6%	+15 %	Cooling mode
230 V; 50 Hz	17,0	13,0	-23,5%	+15 %	Heating mode
24. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MFAU-12HRFN1-QRC8, MCA2I-09HRFN1-QRC8 and MTBI-09HWFN1-QRC8 combinations for testing.					
230 V; 50 Hz	15,0	10,3	-31,3%	+15 %	Cooling mode
230 V; 50 Hz	15,0	8,9	-40,7%	+15 %	Heating mode
25. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-09HWFN1-QRC8, MFAU-12HRFN1-QRC8, MTBI-09HWFN1-QRC8 and MCA2I-18HRDN1-QRC8 combinations for testing.					
230 V; 50 Hz	17,0	12,2	-28,2%	+15 %	Cooling mode
230 V; 50 Hz	17,0	12,2	-28,2%	+15 %	Heating mode
26. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS11MU-12HRFN1-QRD0W(B) combinations for testing.					
230 V; 50 Hz	15,0	10,6	-29,3%	+15 %	Cooling mode
230 V; 50 Hz	15,0	9,2	-38,7%	+15 %	Heating mode

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27. Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-07HWFN1-QRC8, MS12FI-07HRDN1-QRC8W, MCA2I-07HRFN1-QRC8 and MS12FU-18HRFN1-QRC8W combinations for testing.					
230 V; 50 Hz	17,0	12,7	-25,3%	+15 %	Cooling mode
230 V; 50 Hz	17,0	12,1	-28,8%	+15 %	Heating mode
28. Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11M-18HRFN1-QRC8Q1W, MTBU-12HWFN1-QRC8, MFAU-12HRFN1-QRC8 and MTBU-12HWFN1-QRC8 combinations for testing.					
230 V; 50 Hz	22,0	15,1	-31,4%	+15 %	Cooling mode
230 V; 50 Hz	22,0	17,7	-19,5%	+15 %	Heating mode
29. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MI-07HRFN1-QW and MS12FU-09HRDN1-QRC8W combinations for testing.					
230 V; 50 Hz	11,0	8,1	-26,4%	+15 %	Cooling mode
230 V; 50 Hz	11,0	8,2	-25,5%	+15 %	Heating mode
30. Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B), MS12FU-18HRFN1-QRC8W, MS12FI-07HRDN1-QRC8W, MS12FU-09HRFN1-QRC8W and MS11MI-07HRFN1-QW combinations for testing.					
230 V; 50 Hz	22,0	19,5	-11,4%	+15 %	Cooling mode
230 V; 50 Hz	22,0	17,3	-21,4	+15 %	Heating mode
31. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MTBI-09HRFN1-Q and MCA21-09HRFN1-Q combinations for testing.					
230 V; 50 Hz	11,0	9,1	-17,3%	+15 %	Cooling mode
230 V; 50 Hz	11,0	7,8	-29,1%	+15 %	Heating mode
32. Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B) and MFAI-07HRFN1-QRC8 combinations for testing.					
230 V; 50 Hz	11,0	8,0	-27,3%	+15 %	Cooling mode
230 V; 50 Hz	11,0	7,7	-30,0%	+15 %	Heating mode
33. Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MTBI-18HWDN1-QRC8 and MFAI-09HRFN1-QRC8 combinations for testing.					
230 V; 50 Hz	15,0	8,9	-19,1%	+15 %	Cooling mode
230 V; 50 Hz	15,0	8,8	-41,3%	+15 %	Heating mode
Configuration 4					
34. Outdoor unit M2OE-18HFN1-Q (Panasonic, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Welling, RPG20E) and MS12FU-12HRFN1-QRD0GW (Panasonic, WZDK20-38G) combinations for testing					
230 V; 50 Hz	14	10,0	-28,6 %	+15 %	Cooling mode
230 V; 50 Hz	14	12,1	-13,6 %	+15 %	Heating mode
35. Outdoor unit M2OE-18HFN1-Q (Shibaura, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Broad-ocean, RPG20E) and MS12FU-12HRFN1-QRD0GW (Shibaura, WZDK20-38G) combinations for testing					
230 V; 50 Hz	14	9,9	-29,3 %	+15 %	Cooling mode

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230 V; 50 Hz	14	12,3	-12,1 %	+15 %	Heating mode
36. Outdoor unit M2OE-18HFN1-Q (Welling, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Tongde, RPG20E) and MS12FU-12HRFN1-QRD0GW (Welling, WZDK20-38G) combinations for testing					
230 V; 50 Hz	14	9,8	-30,0 %	+15 %	Cooling mode
230 V; 50 Hz	14	12,5	-10,7 %	+15 %	Heating mode
37. Outdoor unit M3OD-26HFN1-Q (Panasonic, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Welling, RPG20E), MS12FU-12HRFN1-QRD0GW (Panasonic, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Wolong, RPG20E) combinations for testing					
230 V; 50 Hz	15	10,9	-27,3 %	+15 %	Cooling mode
230 V; 50 Hz	15	8,8	-41,3 %	+15 %	Heating mode
38. Outdoor unit M3OD-26HFN1-Q (Shibaura, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Broad-ocean, RPG20E), MS12FU-12HRFN1-QRD0GW (Shibaura, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Tongde, RPG20E) combinations for testing					
230 V; 50 Hz	15	10,9	-27,3 %	+15 %	Cooling mode
230 V; 50 Hz	15	8,6	-42,7 %	+15 %	Heating mode
39. Outdoor unit M3OD-26HFN1-Q (Welling, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Wolong, RPG20E), MS12FU-12HRFN1-QRD0GW (Welling, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Broad-ocean, RPG20E) combinations for testing					
230 V; 50 Hz	15	10,9	-27,3 %	+15 %	Cooling mode
230 V; 50 Hz	15	8,7	-42,0 %	+15 %	Heating mode
40. Outdoor unit M3OD-26HFN1-Q (Welling, WZDK50-38G) eqquiped with indoor unit MS12FU-18HRFN1-QRC8GW (Welling, WZDK30-38G), MS12FU-09HRFN1-QRD0GW (Welling, WZDK20-38G) and MS12FU-09HRFN1-QRD0GW (Shibaura, WZDK20-38G) combinations for testing					
230 V; 50 Hz	15	11,0	-26,7 %	+15 %	Cooling mode
230 V; 50 Hz	15	9,2	-38,7 %	+15 %	Heating mode
41. Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing					
230 V; 50 Hz	11	4,9	-55,5 %	+15 %	Cooling mode
230 V; 50 Hz	11	5,2	-52,7 %	+15 %	Heating mode
42. Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor					
230 V; 50 Hz	11	4,9	-55,5 %	+15 %	Cooling mode
230 V; 50 Hz	11	5,2	-52,7 %	+15 %	Heating mode
43. Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor					
230 V; 50 Hz	11	4,9	-55,5 %	+15 %	Cooling mode
230 V; 50 Hz	11	5,1	-53,6 %	+15 %	Heating mode
44. Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing					

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230 V; 50 Hz	14	5,9	-57,9 %	+15 %	Cooling mode
230 V; 50 Hz	14	6,7	-52,1 %	+15 %	Heating mode
45. Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor					
230 V; 50 Hz	14	5,9	-57,9 %	+15 %	Cooling mode
230 V; 50 Hz	14	6,8	-51,4 %	+15 %	Heating mode
46. Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor					
230 V; 50 Hz	14	5,9	-57,9 %	+15 %	Cooling mode
230 V; 50 Hz	14	6,8	-51,4 %	+15 %	Heating mode
47. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	25	19,5	-22,0 %	+15 %	Cooling mode
230 V; 50 Hz	25	17,6	-29,6 %	+15 %	Heating mode
48. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	19,4	-22,4 %	+15 %	Cooling mode
230 V; 50 Hz	25	18,0	-28,0 %	+15 %	Heating mode
49. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	19,4	-22,4 %	+15 %	Cooling mode
230 V; 50 Hz	25	17,6	-29,6 %	+15 %	Heating mode
50. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	25	21,5	-14,0 %	+15 %	Cooling mode
230 V; 50 Hz	25	18,2	-27,2 %	+15 %	Heating mode
51. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	21,4	-14,4 %	+15 %	Cooling mode
230 V; 50 Hz	25	18,2	-27,2 %	+15 %	Heating mode
52. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	21,5	-14,0 %	+15 %	Cooling mode
230 V; 50 Hz	25	18,3	-26,8 %	+15 %	Heating mode

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53. Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing					
230 V; 50 Hz	22	20,2	-8,2 %	+15 %	Cooling mode
230 V; 50 Hz	22	15,3	-30,5 %	+15 %	Heating mode
54. Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing with alternative fan motor					
230 V; 50 Hz	22	20,1	-8,6 %	+15 %	Cooling mode
230 V; 50 Hz	22	15,3	-30,5 %	+15 %	Heating mode
55. Outdoor unit M50C-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing with alternative fan motor					
230 V; 50 Hz	22	20,1	-8,6 %	+15 %	Cooling mode
230 V; 50 Hz	22	15,3	-30,5 %	+15 %	Heating mode
56. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	25	21,6	-13,6 %	+15 %	Cooling mode
230 V; 50 Hz	25	17,7	-29,2	+15 %	Heating mode
57. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	21,4	-14,4 %	+15 %	Cooling mode
230 V; 50 Hz	25	19,9	-20,4	+15 %	Heating mode
58. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	21,4	-14,4 %	+15 %	Cooling mode
230 V; 50 Hz	25	20,1	-19,6 %	+15 %	Heating mode
59. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	25	22,8	-8,8 %	+15 %	Cooling mode
230 V; 50 Hz	25	18,7	-25,2 %	+15 %	Heating mode
60. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	22,9	-8,4 %	+15 %	Cooling mode
230 V; 50 Hz	25	18,7	-25,2 %	+15 %	Heating mode
61. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	22,9	-8,4 %	+15 %	Cooling mode

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230 V; 50 Hz	25	18,6	-25,6 %	+15 %	Heating mode
62. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	25	22,5	-10,0 %	+15 %	Cooling mode
230 V; 50 Hz	25	16,4	-34,4 %	+15 %	Heating mode
63. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	23,1	-7,6 %	+15 %	Cooling mode
230 V; 50 Hz	25	16,7	-33,2 %	+15 %	Heating mode
64. Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	25	24,4	-2,4 %	+15 %	Cooling mode
230 V; 50 Hz	25	16,7	-33,2 %	+15 %	Heating mode
65. Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MS12FU-12HRDN1-QRD0GW(C) and MCA3I-18HRDN1-QRC8 combinations for testing					
230 V; 50 Hz	16	14,1	-11,9 %	+15 %	Cooling mode
230 V; 50 Hz	16	11,5	-28,1 %	+15 %	Heating mode
66. Outdoor unit M4OE-28HFN1-Q eqquiped with indoor unit MTBI-07HWFN1-QRD0, MTBI-09HWFN1-QRD0, MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW combinations for testing					
230 V; 50 Hz	17	15,4	-9,4 %	+15 %	Cooling mode
230 V; 50 Hz	17	10,8	-36,5 %	+15 %	Heating mode
67. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSAEAU-09HRFN1-QRD0GW, MSAEBU-12HRFN1-QRD0GW, MSAECU-18HRFN1-QRD0GW and MSAEDU-24HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	21,5	19,8	-7,9 %	+15 %	Cooling mode
230 V; 50 Hz	21,5	11,4	-47,0 %	+15 %	Heating mode
68. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSVPBU-09HRFN1-QRD0GW, MSVPBU-12HRFN1-QRD0GW, MSVPCU-18HRFN1-QRD0GW and MSVPDU-24HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	21,5	20,4	-5,1 %	+15 %	Cooling mode
230 V; 50 Hz	21,5	14,5	-32,6 %	+15 %	Heating mode
69. Outdoor unit M5OE-42HFN1-Q eqquiped with indoor unit MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-18HRFN1-QRD0GW, MTBI-18HWDN1-QRC8 and MCA3U-12HRFN1-QRD0W combinations for testing					
230 V; 50 Hz	22	22,9	4,1 %	+15 %	Cooling mode
230 V; 50 Hz	22	14,7	-33,2 %	+15 %	Heating mode
70. Outdoor unit M2OF-18HFN1-Q eqquiped with indoor unit MS11MU-09HRFN1-QRD0GW and MS11MU-12HRFN1-QRD0GW combinations for testing					

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230 V; 50 Hz	12	9,0	-25,0 %	+15 %	Cooling mode
230 V; 50 Hz	12	7,6	-36,7 %	+15 %	Heating mode
71. Outdoor unit: M3OE-21HFN1-Q + indoor unit 1: MCA3I-07HRFN1-QRC8 + indoor unit 2: MTBI-07HWFN1-QRD0 + indoor unit 3: MS11MU-09HRFN1-QRD0GW.					
230 V; 50 Hz	15,0	10,23	-31,8 %	+15 %	Cooling mode
230 V; 50 Hz	15,0	6,49	-56,7 %	+15 %	Heating mode
72. Outdoor unit: M2OE-14HFN1-Q + indoor unit 1: MCA3I-07HRFN1-QRC8 + indoor unit 2: MTBI-07HWFN1-QRD0.					
230 V; 50 Hz	11,0	6,97	-36,6 %	+15 %	Cooling mode
230 V; 50 Hz	11,0	5,03	-54,3 %	+15 %	Heating mode
73. Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	16,0	12,7	-20,6 %	+15 %	Cooling mode
230 V; 50 Hz	16,0	12,5	-21,9 %	+15 %	Heating mode
74. Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	16,0	12,6	-21,3 %	+15 %	Cooling mode
230 V; 50 Hz	16,0	12,5	-21,9 %	+15 %	Heating mode
75. Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	16,0	12,6	-21,3 %	+15 %	Cooling mode
230 V; 50 Hz	16,0	12,5	-21,9 %	+15 %	Heating mode
76. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing					
230 V; 50 Hz	21,5	14,2	-34,0 %	+15 %	Cooling mode
230 V; 50 Hz	21,5	15,7	-27,0 %	+15 %	Heating mode
77. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	21,5	14,1	-34,4 %	+15 %	Cooling mode
230 V; 50 Hz	21,5	15,7	-27,0 %	+15 %	Heating mode
78. Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing with alternative fan motor					
230 V; 50 Hz	21,5	14,1	-34,4 %	+15 %	Cooling mode
230 V; 50 Hz	21,5	15,4	-28,4 %	+15 %	Heating mode
79. Outdoor unit M2OF-18HFN1-Q eqquiped with indoor unit MSABAU-09HRFN1-QRD0GW(B) and MSABBU-12HRFN1-QRD0GW(B) combinations for testing					
230 V; 50 Hz	12	8,8	-26,7 %	+15 %	Cooling mode

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230 V; 50 Hz	12	7,5	-37,5 %	+15 %	Heating mode
80. Outdoor unit: M2OF-18HFN1-Q + indoor unit: MS11MU-09HRFN1-QRD0GW + indoor unit: MS11MU-12HRFN1-QRD0GW					
230 V; 50 Hz	12	8,8	-26,7 %	+15 %	Cooling mode
230 V; 50 Hz	12	7,5	-37,5 %	+15 %	Heating mode
81. Outdoor unit M2OF-14HFN1-Q drives indoor unit MSABAU-09HRFN1-QRD0GW(B) and MSABBU-12HRFN1-QRD0GW(B)					
230 V; 50 Hz	11	8,9	-19,1 %	+15 %	Cooling mode
230 V; 50 Hz	11	6,5	-40,9 %	+15 %	Heating mode
82. Outdoor unit M5OE-42HFN1-Q equipped with indoor unit MSAFBU-09HRDN8-QRD0GW + indoor unit MSAFBU-12HRDN8-QRD0GW + indoor unit MSAFCU-18HRFNX-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Welling) + indoor unit MTIU-12HWFNX-QRD0W.					
230 V; 50 Hz	22,0	20,51	-6,8 %	+15 %	Cooling mode
230 V; 50 Hz	22,0	14,62	-33,5 %	+15 %	Heating mode
83. Outdoor unit M4OB-36HFN1-Q equipped with indoor unit MSAFCU-18HRFNX-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean) + indoor unit MSAFDU-24HRFNX-QRD0GW with fan motor WZDK58-38G (ZKFP-58-8-1) (Nidec).					
230 V; 50 Hz	21,5	20,44	-4,9%	+15 %	Cooling mode
230 V; 50 Hz	21,5	13,59	-36,8%	+15 %	Heating mode
84. Outdoor unit M4OB-36HFN1-Q equipped with indoor unit MSAFCU-18HRFNX-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Nidec) + indoor unit MSAFDU-24HRFNX-QRD0GW with fan motor WZDK58-38G (ZKFP-58-8-1) (Broad-Ocean).					
230 V; 50 Hz	21,5	20,27	-5,7%	+15 %	Cooling mode
230 V; 50 Hz	21,5	14,72	-31,5%	+15 %	Heating mode
85. Outdoor unit M2OE-14HFN1-Q with fan motor ZKFN-40-8-1L (Broad-Ocean) + indoor unit MSMAAU-09HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAFAU-09HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence)					
230 V; 50 Hz	11,0	9,31	-15,4%	+15 %	Cooling mode
230 V; 50 Hz	11,0	7,62	-30,7%	+15 %	Heating mode
86. Outdoor unit M2OF-18HFN1-Q with fan motor ZKFN-40-8-1L (Broad-Ocean) + indoor unit with MSVPCU-18HRFN1-QRD0GW fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)					
230 V; 50 Hz	12,0	10,54	-12,2%	+15 %	Cooling mode
230 V; 50 Hz	12,0	9,20	-23,3%	+15 %	Heating mode
87. Outdoor unit M3OE-21HFN1-Q with fan motor ZKFN-50-8-2 (Broad-Ocean) + indoor unit MSMAAU-09HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSMABU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence)					
230 V; 50 Hz	15,0	13,87	-7,5%	+15 %	Cooling mode
230 V; 50 Hz	15,0	11,49	-23,4%	+15 %	Heating mode
88. Outdoor unit M3OE-27HFN1-Q with fan motor ZKFN-50-8-2 (Broad-Ocean) + indoor unit MSAFBU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)					

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Clause	Requirement + Test		Result - Remark		Verdict

230 V; 50 Hz	16,0	14,25	-10,9%	+15 %	Cooling mode
230 V; 50 Hz	16,0	12,77	-20,2%	+15 %	Heating mode
89. Outdoor unit M4OE-28HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Broad-Ocean) + indoor unit MSAFBU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)					
230 V; 50 Hz	17,0	15,93	-6,3%	+15 %	Cooling mode
230 V; 50 Hz	17,0	14,22	-16,4%	+15 %	Heating mode
90. Outdoor unit M4OE-28HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Wolong) + indoor unit MSAFBU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)					
230 V; 50 Hz	17,0	16,02	-5,8%	+15 %	Cooling mode
230 V; 50 Hz	17,0	14,65	-13,8%	+15 %	Heating mode
91. Outdoor unit M4OB-36HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Broad-Ocean) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)					
230 V; 50 Hz	21,5	19,55	-9,1%	+15 %	Cooling mode
230 V; 50 Hz	21,5	16,87	-21,5%	+15 %	Heating mode
92. Outdoor unit M4OB-36HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Wolong) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)					
230 V; 50 Hz	21,5	20,21	-6,0%	+15 %	Cooling mode
230 V; 50 Hz	21,5	17,68	-17,8%	+15 %	Heating mode
93. Outdoor unit M5OE-42HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Broad-Ocean) + indoor unit MCA3U-12HRFN1-QRD0W with fan motor WZDK46-38G (ZKFP-46-8-1) (Broad-Ocean) + indoor unit MTBU-12HWFN1-QRD0W with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)					
230 V; 50 Hz	22,0	20,25	-8,0%	+15 %	Cooling mode
230 V; 50 Hz	22,0	19,48	-11,5%	+15 %	Heating mode
94. Outdoor unit M5OE-42HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Wolong) + indoor unit MCA3U-12HRFN1-QRD0W with fan motor WZDK46-38G (ZKFP-46-8-1) (Broad-Ocean) + indoor unit MTBU-12HWFN1-QRD0W with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)					
230 V; 50 Hz	22,0	20,58	-6,5%	+15 %	Cooling mode
230 V; 50 Hz	22,0	20,07	-8,8%	+15 %	Heating mode
Note: -Fan motors had two or three manufacturers, the appliances equipped with the fan motors were select for testings, after comparing, the worse combination were subjucted the following testings. See the configuration above. -The most unfavourable test result were record.					

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-1	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 1)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32°C, WB: 23°C; Outdoor unit: DB 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)	Max. T (°C)
Indoor unit x 1		
Indoor fan motor	49,5	105 (Class E)
Relay	33,6	T70
Fan motor running capacitor	41,3	T70
Terminal block	32,9	For clause 30.1
PCB	32,4	145
Power cord	33,3	75
Air outlet temperature	23,7	90
Transformer	38,9	110 (Class B)
X2 capacitor	34,3	T70
Synchronous motor	32,2	105 (Class E)
Outdoor unit		
Compressor top enclosure	102,0	150
Compressor side enclosure	97,0	150
X capacitor	55,1	T85
Relay	53,8	T70
Outdoor fan motor	64,9	110 (Class B)
Electrolytic capacitor	59,0	Ref.
IPM	57,9	Ref.
Rectifier	58,2	Ref.
Terminal block	53,3	For clause 30.1
4-way valve	60,5	110 (class B)
Internal wire to compressor	63,1	T105
PCB	58,2	T130
Power cord	54,6	75
Fan motor running capacitor	55,5	T70
Enclosure	52,5	85
Transformer	54,1	110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Inductance	56,9	Ref.
Test corner	58,2	90
Reactor	77,9	110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q eqquiped with indoor unit MS11MU-18HRFN1-QRC8W combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Indoor fan motor	45	52,6	68,8	115	E
Compressor winding	0,7	0,92	106,5	140	Synthetic Insulation
4-way valve winding	2173	2641	80,8	120	B

Supplementary information: R1 was measured at 25 °C

11.8-1	TABLE: Heating test, thermocouples (Heating mode) (Configuration 1)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)	Max. T (°C)
Indoor unit x 1		
Indoor fan motor	45,0	105 (Class E)
Relay	31,0	T70
Fan motor running capacitor	41,0	T70
Terminal block	29,6	For clause 30.1
PCB	29,8	145
Power cord	30,4	75
Air outlet temperature	44,5	90
Transformer	38,0	110 (Class B)
X2 capacitor	31,5	T70
Synchronous motor	29,6	105 (Class E)
Outdoor unit		
Compressor top enclosure	71,3	150
Compressor side enclosure	68,6	150
X capacitor	36,8	T85
Relay	35,0	T70
Outdoor fan motor enclosure	28,7	110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Electrolytic capacitor	39,6	Ref.
IPM	38,3	Ref.
Rectifier	38,5	Ref.
Terminal block	35,5	For clause 30.1
4-way valve	65,1	110 (class B)
Internal wire to compressor	44,2	T105
PCB	40,7	T130
Power cord	34,6	75
Fan motor running capacitor	37,5	T70
Enclosure	34,1	85
Transformer	35,7	110 (Class B)
inductance	37,2	Ref.
Test corner	26,4	90
Reactor	51,2	110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q eqquiped with indoor unit MS11MU-18HRFN1-QRC8GW combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Indoor fan motor	45	51,9	64,7	115	E
Compressor winding	0,7	0,88	91,7	140	Synthetic Insulation
4-way valve winding	2173	2677	85,1	120	B

Supplementary information: R1 was measured at 25 °C

11.8-2	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 1)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 32°C, WB: 23°C; Outdoor unit: DB 50°C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)	Max. T (°C)
Indoor unit x 1		
Indoor fan motor enclosure	41,3	105 (Class E)
Relay	36,3	T70
Terminal block	35,6	For clause 30.1
PCB	33,2	145

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Clause	Requirement + Test	Result - Remark	Verdict

Power cord	34,1	75
Air outlet temperature	19,2	90
Transformer	38,3	110 (Class B)
X2 capacitor	38,2	T70
Synchronous motor	28,3	105 (Class E)
Outdoor unit		
Compressor top enclosure	100,1	150
Compressor side enclosure	96,1	150
X capacitor	55,7	T85
Relay	53,7	T70
Outdoor fan motor enclosure	64,2	110 (Class B)
Electrolytic capacitor	57,9	Ref.
IPM	57,0	Ref.
Rectifier	57,7	Ref.
Terminal block	52,2	For clause 30.1
4-way valve	64,7	110 (class B)
Internal wire to compressor	60,3	T105
PCB	55,8	T130
Power cord	54,2	75
Fan motor running capacitor	55,1	T70
Enclosure	52,8	85
Transformer	54,0	110 (Class B)
inductance	55,4	Ref.
Test corner	57,9	90
Reactor	79,0	110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q eqquiped with indoor unit MS11PU-18HRFN1-QW combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	0,7	0,92	106,5	140	Synthetic Insulation
4-way valve winding	2173	2673	84,7	120	B

Supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-2	TABLE: Heating test, thermocouples (Heating mode) (Configuration 1)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heatling Mode: Indoor unit: DB 30°C; Outdoor unit: DB 34°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)	Max. T (°C)
Indoor unit x 1		
Indoor fan motor	39,9	105 (Class E)
Relay	32,9	T70
Terminal block	33,2	For clause 30.1
PCB	30,5	145
Power cord	31,6	75
Air outlet temperature	53,6	90
Transformer	37,0	110 (Class B)
X2 capacitor	34,5	T70
Synchronous motor	37,3	105 (Class E)
Outdoor unit		
Compressor top enclosure	107,7	150
Compressor side enclosure	103,3	150
X capacitor	45,2	T85
Relay	41,2	T70
Outdoor fan motor	24,7	110 (Class B)
Electrolytic capacitor	49,7	Ref.
IPM	39,3	Ref.
Rectifier	49,8	Ref.
Terminal block	39,3	For clause 30.1
4-way valve	48,6	110 (class B)
Internal wire to compressor	59,3	T105
PCB	49,3	T130
Power cord	37,5	75
Fan motor running capacitor	39,3	T70
Enclosure	35,6	85
Transformer	38,5	110 (Class B)
inductance	47,3	Ref.
Test corner	24,0	90
Reactor	74,2	110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Remark: Outdoor unit M2OD-18HFN1-Q eqquiped with indoor unit MS11PU-18HRFN1-QW combinations for testing					
Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	0,7	0,93	110,2	140	Synthetic Insulation
4-way valve winding	2173	2539	68,7	120	B
supplementary information: R1 was measured at 25 °C					

11.8-3	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	34,2	64,9	40,7	45,6	105 (Class E)
Relay	28,8	32,2	33,0	34,5	T70
Capacitor	35,6	31,9	35,8	33,8	T70
Terminal block	33,8	35,0	30,6	33,0	For clause 30.1
PCB	33,8	32,8	31,2	32,7	T130
Power cord	54,5	32,0	30,8	32,9	75
Air outlet temperature	36,6	25,1	25,8	27,9	90
Transformer	34,0	33,4	32,0	36,2	110 (Class B)
Water pump	49,7	47,6	-	-	110 (Class B)
Test corner	33,6	30,7	31,6	32,1	90
Outdoor unit					
Compressor top enclosure	63,9				150
Compressor side enclosure	78,9				150
X capacitor	59,8				T85
Relay	51,7				T70
Outdoor fan motor	71,5				105 (Class E)
Electrolytic capacitor	54,5				Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

IPM	54,5	Ref.
Rectifier	57,8	Ref.
Terminal block	51,8	For clause 30.1
4-way valve	56,4	110 (class B)
Internal wire to compressor	56,3	T105
PCB	63,8	T130
Power cord	52,6	75
Capacitor	53,2	T70
Enclosure	54,8	85
Transformer	65,1	110 (Class B)
inductance	68,4	Ref.
Test corner	56,5	90

Remark: Outdoor unit M4OA-36HFN1-Q (Welling fan motor) eqquiped with indoor unit 1. MCA2I-09HRFN1-Q (Welling fan motor), 2. MCA2I-18HRDN1 (Welling fan motor), 3. MTBI-09HRFN1-Q(Welling fan motor) and 4. MTBI-18HWDN1-Q(Welling fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1692	2027	76,3	120	B
Compressor winding	0,6	0,77	78,9	140	Synthetic Insulation
2. fan motor winding	141,5	158	57,0	120	B
4. fan motor winding	115,2	133,2	65,5	120	B

supplementary information: R1 was measured at 25 °C

11.8-3	TABLE: Heating test, thermocouples (Heating mode) (Configuration 2)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	43,0	61,4	40,8	34,7	105 (Class E)
Relay	40,2	32,2	34,5	31,7	T70
Capacitor	29,7	31,6	40,6	31,1	T70
Terminal block	26,9	31,9	32,8	30,3	For clause 30.1

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PCB	26,0	31,9	32,8	30,2	145
Power cord	45,9	31,4	32,2	30,3	75
Air outlet temperature	30,4	29,6	40,5	28,6	90
Transformer	27,3	32,9	33,7	33,6	110 (Class B)
X2 capacitor	26,8	28,9	35,0	34,8	T70
Water pump	46,3	42,8	-	-	110 (Class B)
Test corner	26,1	27,8	31,1	30,1	90
Outdoor unit					
Compressor top enclosure	70,5/ 86,3				150
X capacitor	45,4				T85
Relay	37,5				T70
Outdoor fan motor	26,6				105 (Class E)
Electrolytic capacitor	38,8				Ref.
IPM	29,5				Ref.
Rectifier	41,5				Ref.
Terminal block	35,0				For clause 30.1
4-way valve	42,5				110 (class B)
Internal wire to compressor	48,3				T105
PCB	52,9				T130
Power cord	38,8				75
Capacitor	37,3				T70
Enclosure	35,6				85
Transformer	49,2				110 (Class B)
inductance	80,9				Ref.
Test corner	29,3				90

Remark: Outdoor unit M4OA-36HFN1-Q (Welling fan motor) eqquiped with indoor unit 1. MCA2I-09HRFN1-Q (Welling fan motor), 2. MCA2I-18HRDN1 (Welling fan motor), 3. MTBI-09HRFN1-Q(Welling fan motor) and 4. MTBI-18HWDN1-Q(Welling fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1692	2028	76,5	120	B
Compressor winding	0,6	0,75	89,9	140	Synthetic Insulation
2. fan motor winding	141,5	170	77,3	120	B
4. fan motor winding	115,2	131,3	61,8	120	B

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-4	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	40,1	59,4	33,1	45,5	105 (Class E)
Relay	38,5	31,6	36,8	37,3	T70
Capacitor	35,1	31,9	34,1	34,8	T70
Terminal block	33,5	34,1	31,5	33,6	For clause 30.1
PCB	33,9	32,8	32,7	33,5	T130
Power cord	33,5	31,5	32,2	33,5	75
Air outlet temperature	28,3	25,4	27,3	28,5	90
Transformer	33,6	32,7	34,0	40,4	110 (Class B)
Water pump	46,3	48,9	-	-	110 (Class B)
Test corner	32,5	33,3	32,9	33,1	90
Outdoor unit					
Compressor top enclosure	49,3				150
Compressor side enclosure	71,6				150
X capacitor	61,9				T85
Relay	51,5				T70
Outdoor fan motor	71,3				105 (Class E)
Electrolytic capacitor	58,0				Ref.
IPM	53,6				Ref.
Rectifier	56,9				Ref.
Terminal block	51,6				For clause 30.1
4-way valve	54,6				110 (class B)
Internal wire to compressor	54,9				T105
PCB	64,4				T130
Power cord	52,3				75
Capacitor	53,7				T70
Enclosure	49,5				85
Transformer	67,7				110 (Class B)
inductance	66,5				Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Test corner		55,9		90	
Remark: Outdoor unit M4OA-36HFN1-Q (Panasonic fan motor) eqquiped with indoor unit 1. MCA2I-12HRFN1-Q (Panasonic fan motor), 2. MCA2I-18HRDN1 (Broad-Ocean fan motor), 3. MTBI-12HRFN1-Q(Panasonic fan motor) and 4. MTBI-12HRFN1-Q (Nidec Shibaura fan motor) combinations for testing					
Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1692	2015	74,5	120	B
Compressor winding	0,6	0,76	94,2	140	Synthetic Insulation
2. fan motor winding	78,1	91,2	68,5	120	B
supplementary information: R1 was measured at 25 °C					

11.8-4	TABLE: Heating test, thermocouples (Heating mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	40,5	58,2	41,3	45,7	105 (Class E)
Relay	27,4	33,2	36,5	28,8	T70
Capacitor	28,4	30,8	34,1	27,5	T70
Terminal block	26,4	35,3	32,2	25,7	For clause 30.1
PCB	25,1	33,6	33,6	27,2	145
Power cord	24,5	32,3	32,8	27,0	75
Air outlet temperature	42,3	45,6	40,7	41,2	90
Transformer	26,8	34,1	34,3	33,4	110 (Class B)
X2 capacitor	26,4	26,8	27,3	27,7	T70
Water pump	39,8	41,2	-	-	110 (Class B)
Test corner	24,5	26,9	29,3	23,4	90
Outdoor unit					
Compressor top enclosure	42,9/ 79,9				150
X capacitor	47,0				T85
Relay	35,7				T70
Outdoor fan motor	23,9				105 (Class E)

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Clause	Requirement + Test	Result - Remark	Verdict

Electrolytic capacitor	38,6	Ref.
IPM	34,2	Ref.
Rectifier	40,6	Ref.
Terminal block	34,5	For clause 30.1
4-way valve	49,7	110 (class B)
Internal wire to compressor	47,1	T105
PCB	52,3	T130
Power cord	37,0	75
Capacitor	37,2	T70
Enclosure	34,0	85
Transformer	52,7	110 (Class B)
inductance	82,0	Ref.
Test corner	25,5	90

Remark: Outdoor unit M4OA-36HFN1-Q (Panasonic fan motor) eqquiped with indoor unit 1. MCA2I-12HRFN1-Q (Panasonic fan motor), 2. MCA2I-18HRDN1 (Broad-Ocean fan motor), 3. MTBI-12HRFN1-Q(Panasonic fan motor) and 4. MTBI-12HRFN1-Q (Nidec Shibaura fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1692	1984	69,7	120	B
Compressor winding	0,6	0,77	98,5	140	Synthetic Insulation
2. fan motor winding	78,1	90	65,7	120	B

supplementary information: R1 was measured at 25 °C

11.8-5	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 2)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	40,6	40,3	33,5	105 (Class E)
Relay	39,3	39,0	37,1	T70
Capacitor	35,5	35,4	33,3	T70

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Terminal block	34,2	34,0	31,2	For clause 30.1
PCB	35,0	34,4	32,6	T130
Power cord	34,4	33,9	31,6	75
Air outlet temperature	28,1	28,5	28,3	90
Transformer	34,5	33,9	32,8	110 (Class B)
X2 capacitor	34,3	33,8	32,7	T70
Test corner	34,0	33,5	35,1	90
Outdoor unit				
Compressor top enclosure	73,0			150
Compressor side enclosure	72,2			Ref.
X capacitor	52,6			T85
Relay	52,4			T70
Outdoor fan motor	71,8			105 (Class E)
Electrolytic capacitor	58,4			Ref.
IPM	77,8			Ref.
Rectifier	69,1			Ref.
Terminal block	51,5			For clause 30.1
4-way valve	53,8			110 (class B)
Internal wire to compressor	58,3			T105
PCB	57,4			T130
Power cord	53,2			75
Capacitor	54,9			T70
Enclosure	49,7			85
Transformer	57,1			110 (Class B)
Reactor	65,1			165
Inductance	56,5			Ref.
Test corner	49,7			90

Remark: Outdoor unit M3OD-27HFN1-Q(Welling fan motor) eqquiped with indoor unit 1. MTBI-12HRFN1-Q(Welling fan motor), 2. MCA2I-12HRFN1-Q(Nidec Shibaura fan motor) and 3. MTBI-12HRFN1-Q (Nidec Shibaura fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2158	2563	73,7	120	B
Compressor winding	0,6	0,76	94,2	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-5	TABLE: Heating test, thermocouples (heating mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	29,9	32,4	30,3	105 (Class E)
Relay	27,6	28,1	26,3	T70
Capacitor	27,8	28,1	26,3	T70
Terminal block	26,2	26,3	33,3	For clause 30.1
PCB	27,0	26,2	33,5	T130
Power cord	25,5	26,1	32,7	75
Air outlet temperature	41,7	40,2	41,3	90
Transformer	26,5	27,7	33,4	110 (Class B)
X2 capacitor	27,1	27,1	33,9	T70
Test corner	25,1	25,5	25,1	90
Outdoor unit				
Compressor top enclosure	69,8			150
Compressor side enclosure	67,5			150
X capacitor	38,1			T85
Relay	37,4			T70
Outdoor fan motor	22,5			105 (Class E)
Electrolytic capacitor	46,5			T70
IPM	68,6			Ref.
Rectifier	68,9			Ref.
Terminal block	33,4			For clause 30.1
4-way valve	80,9			110 (class B)
Internal wire to compressor	48,8			T105
PCB	46,9			T130
Power cord	37,0			75
Capacitor	37,0			T70
Enclosure	32,3			85
Transformer	43,3			110 (Class B)
inductance	48,5			Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Reactor	83,9	165
Test corner	26,5	90

Remark: Outdoor unit M3OD-27HFN1-Q(Welling fan motor) eqquiped with indoor unit 1. MTBI-12HRFN1-Q(Welling fan motor), 2. MCA2I-12HRFN1-Q(Nidec Shibaura fan motor) and 3. MTBI-12HRFN1-Q (Nidec Shibaura fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1692	2442	59,1	120	B
Compressor winding	0,6	0,76	94,2	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-6	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32°C, WB: 23°C; Outdoor unit: DB 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	37,1	62,8	105 (Class E)
Relay	36,3	33,4	T70
Fan motor running capacitor	34,3	31,6	T70
Terminal block	34,2	31,8	For clause 30.1
PCB	34,5	32,2	145
Power cord	34,4	31,7	75
Air outlet temperature	26,5	25,4	90
Transformer	34,3	34,3	110 (Class B)
X2 capacitor	33,8	33,1	T70
Water pump	48,9	-	105 (Class E)
Test corner	34,2	31,9	90
Outdoor unit			
Compressor top enclosure	76,1		150
Compressor side enclosure	75,3		150
X capacitor	52,6		T85
Relay	52,4		T70

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Clause	Requirement + Test	Result - Remark	Verdict

Outdoor fan motor	72,1	105 (Class E)
Electrolytic capacitor	57,8	Ref.
IPMb	80,3	Ref.
Rectifier	70,9	Ref.
Terminal block	51,1	For clause 30.1
4-way valve	55,5	110 (class B)
Internal wire to compressor	60,8	T105
PCB	56,0	T130
Power cord	53,3	75
Fan motor running capacitor	53,3	T70
Enclosure	49,8	85
Transformer	56,0	110 (Class B)
inductance	57,0	Ref.
Test corner	53,4	90
Reactor	68,5	110 (Class B)

Remark: Outdoor unit M3OD-27HFN1-Q (Panasonic fan motor) eqquiped with indoor unit 1. MCA2I-18HRDN1 (Welling fan motor), 2. MTBI-18HWDN1-Q (Broad-Ocean fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2158	2577	75,3	120	B
1. Indoor fan motor	141,5	159	57,0	115	E
2. Indoor fan motor	115,2	139,1	79,2	115	E
Compressor winding	0,6	0,76	94,2	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-6	TABLE: Heating test, thermocouples (Heating mode) (Configuration 2)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	46,8	60,6	105 (Class E)
Relay	29,6	32,7	T70

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Clause	Requirement + Test	Result - Remark	Verdict

Fan motor running capacitor	26,2	31,9	T70
Terminal block	22,8	30,4	For clause 30.1
PCB	25,4	31,3	145
Power cord	23,9	30,7	75
Air outlet temperature	44,5	44,8	90
Transformer	26,6	32,6	110 (Class B)
X2 capacitor	26,0	32,4	T70
Water pump	49,7	-	105 (Class E)
Test corner	25,6	30,2	90
Outdoor unit			
Compressor top enclosure	71,9		150
Compressor side enclosure	67,9		150
X capacitor	32,4		T85
Relay	34,7		T70
Outdoor fan motor	23,2		105 (Class E)
Electrolytic capacitor	42,9		Ref.
IPM	67,8		Ref.
Rectifier	64,9		Ref.
Terminal block	32,3		For clause 30.1
4-way valve	77,4		110 (class B)
Internal wire to compressor	46,6		T105
PCB	43,3		T130
Power cord	34,0		75
Fan motor running capacitor	34,8		T70
Enclosure	30,7		85
Transformer	39,4		110 (Class B)
inductance	39,0		Ref.
Test corner	26,9		90
Reactor	80,7		110 (Class B)

Remark: Outdoor unit M3OD-27HFN1-Q (Panasonic fan motor) eqquiped with indoor unit 1. MCA2I-18HRDN1 (Welling fan motor), 2. MTBI-18HWDN1-Q (Broad-Ocean fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2158	2593	77,3	120	B
1. Indoor fan motor	141,5	164,3	66,8	115	E
2. Indoor fan motor	115,2	142,0	85,9	115	E

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Clause	Requirement + Test	Result - Remark	Verdict

Compressor winding	0,6	0,75	89,9	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

11.8-7	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32°C, WB: 23°C; Outdoor unit: DB 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	45,7	34,6	105 (Class E)
Relay	36,4	23,6	T70
Capacitor	33,5	29,4	T70
Terminal block	32,6	32,9	For clause 30.1
PCB	35,1	29,7	145
Power cord	32,5	30,5	75
Air outlet temperature	22,4	24,1	90
Transformer	39,6	41,5	110 (Class B)
X2 capacitor	32,0	33,6	T70
Water pump	49,0	-	105 (Class E)
Test corner	31,9	30,1	90
Outdoor unit			
Compressor top enclosure	85,3		150
Compressor side enclosure	81,9		150
X capacitor	53,6		T85
Relay	52,1		T70
Outdoor fan motor	63,4		105 (Class E)
Electrolytic capacitor	57,2		Ref.
IPM	50,3		Ref.
Rectifier	57,8		Ref.
Terminal block	51,1		For clause 30.1
4-way valve	55,0		110 (class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Internal wire to compressor	60,7	T105
PCB	55,1	T130
Power cord	52,8	75
Capacitor	53,0	T70
Enclosure	49,9	85
Transformer	51,7	110 (Class B)
inductance	55,6	Ref.
Test corner	57,1	90
Reactor	79,8	110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q(Welling fan motor) eqquiped with indoor unit 1. MCA2I-12HRFN1-Q (Panasonic fan motor) and 2. MTBI-12HRFN1-Q (Panasonic fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4 way valve	1876	2240	75,3	120	B
Compressor winding	0,5	0,66	108,1	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-7	TABLE: Heating test, thermocouples (Heating mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	37,1	39,6	105 (Class E)
Relay	30,7	31,9	T70
Capacitor	29,6	28,4	T70
Terminal block	28,1	30,4	For clause 30.1
PCB	31,0	31,6	145
Power cord	28,8	29,9	75
Air outlet temperature	40,3	36,4	90
Transformer	35,5	32,0	110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

X2 capacitor	29,3	29,0	T70
Water pump	49,2	-	105 (Class E)
Test corner	26,1	28,1	90
Outdoor unit			
Compressor top enclosure	97,6		150
Compressor side enclosure	93,8		150
X capacitor	40,1		T85
Relay	37,8		T70
Outdoor fan motor	20,7		105 (Class E)
Electrolytic capacitor	45,6		Ref.
IPM	35,4		Ref.
Rectifier	46,6		Ref.
Terminal block	37,4		For clause 30.1
4-way valve	74,3		110 (class B)
Internal wire to compressor	53,1		T105
PCB	46,7		T130
Power cord	36,7		75
Capacitor	38,2		T70
Enclosure	34,6		85
Transformer	37,3		110 (Class B)
inductance	64,5		Ref.
Test corner	22,6		90
Reactor	67,8		110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q (Welling fan motor) eqquiped with indoor unit 1. MCA2I-12HRFN1-Q (Panasonic fan motor) and 2. MTBI-12HRFN1-Q (Panasonic fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	1876	2378	74,3	120	B
Compressor winding	0,5	0,68	118,4	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-8	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32°C, WB: 23°C; Outdoor unit: DB 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	45,0	65,5	105 (Class E)
Relay	33,9	36,5	T70
Capacitor	32,9	31,0	T70
Terminal block	32,4	30,9	For clause 30.1
PCB	31,9	32,3	145
Power cord	32,2	30,9	75
Air outlet temperature	26,9	32,6	90
Transformer	34,6	32,4	110 (Class B)
X2 capacitor	32,3	33,8	T70
Water pump	46,0	-	105 (Class E)
Test corner	31,4	32,5	90
Outdoor unit			
Compressor top enclosure	92,2		150
Compressor side enclosure	88,7		150
X capacitor	55,3		T85
Relay	53,2		T70
Outdoor fan motor	63,7		105 (Class E)
Electrolytic capacitor	59,4		Ref.
IPM	51,2		Ref.
Rectifier	58,3		Ref.
Terminal block	51,8		For clause 30.1
4-way valve	58,7		110 (class B)
Internal wire to compressor	61,9		T105
PCB	56,4		T130
Power cord	53,5		75
Capacitor	53,5		T70
Enclosure	50,3		85
Transformer	52,6		110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Inductance	55,5	Ref.
Test corner	57,8	90
Reactor	79,2	110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q (Nidec Shibaura fan motor) eqquiped with indoor unit 1. MCA2I-18HRDN1 (Nidec Shibaura fan motor) and 2. MTBI-09HRFN1-Q (Welling fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
1. Indoor fan motor	114,7	139,1	80,2	115	E
Compressor winding	0,5	0,66	108,0	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-8	TABLE: Heating test, thermocouples (Heating mode) (Configuration 2)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	34,5	56,7	105 (Class E)
Relay	26,8	29,4	T70
Capacitor	26,1	24,9	T70
Terminal block	24,4	24,7	For clause 30.1
PCB	25,2	25,3	145
Power cord	25,2	24,7	75
Air outlet temperature	35,1	27,5	90
Transformer	27,9	25,8	110 (Class B)
X2 capacitor	25,2	25,8	T70
Water pump	47,9	-	105 (Class E)
Test corner	25,2	23,6	90
Outdoor unit			
Compressor top enclosure	92,3		150
Compressor side enclosure	88,7		150

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Clause	Requirement + Test	Result - Remark	Verdict

X capacitor	55,3	T85
Relay	53,2	T70
Outdoor fan motor	63,7	105 (Class E)
Electrolytic capacitor	59,4	Ref.
IPM	51,2	Ref.
Rectifier	58,3	Ref.
Terminal block	51,7	For clause 30.1
4-way valve	58,7	110 (class B)
Internal wire to compressor	61,9	T105
PCB	56,4	T130
Power cord	53,5	75
Capacitor	53,5	T70
Enclosure	50,3	85
Transformer	52,6	110 (Class B)
Inductance	55,5	Ref.
Test corner	57,8	90
Reactor	79,2	110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q (Nidec Shibaura fan motor) eqquiped with indoor unit 1. MCA2I-18HRDN1 (Nidec Shibaura fan motor) and 2. MTBI-09HRFN1-Q (Welling fan motor) combinations for testing.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
1. Indoor fan motor	114,7	136,5	74,7	115	E
Compressor winding	0,5	0,63	92,5	140	Synthetic Insulation
4-way valve	1876	2315	85,7	120	B

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-9	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	38,5	38,1	37,8	105 (Class E)
Relay	36,5	39,8	37,8	T70
Capacitor	47,9	49,3	45,3	T70
Terminal block	32,9	35,4	33,8	For clause 30.1
PCB	40,2	48,1	41,8	T130
Power cord	34,9	37,7	35,4	75
Air outlet temperature	22,3	21,8	19,6	90
Transformer	55,7	55,4	58,1	110 (Class B)
Louver motor	40,8	42,0	42,3	105 (Class E)
X2 capacitor	47,5	41,2	39,1	T70
Test corner	31,0	32,8	31,4	90
Outdoor unit				
Compressor top enclosure	73,0			150
Compressor side enclosure	73,1			Ref.
X capacitor	50,1			T85
Relay	50,6			T70
Outdoor fan motor	63,5			105 (Class E)
Electrolytic capacitor	53,4			Ref.
IPM	64,0			Ref.
Rectifier	71,1			Ref.
Terminal block	50,0			For clause 30.1
4-way valve	53,9			110 (class B)
Internal wire to compressor	66,2			T105
PCB	50,1			T130
Power cord	51,8			75
Capacitor	53,4			T70
Enclosure	48,3			85
Transformer	60,2			110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Reactor	62,8	165
Inductance	50,8	Ref.
Test corner	56,7	90

Remark: Outdoor unit M3OD-27HFN1-Q (Welling fan motor) eqquiped with indoor unit 1. MS9AI-07HRFN1-QRC8W (Welling fan motor), 2. MS9AU-12HRDN1-QRC8W (Welling fan motor), 3. MS9AU-18HRFN1- QRC8W (Welling fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1412	1655	69,7	120	B
Compressor winding	1,3	1,63	91,7	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-9	TABLE: Heating test, thermocouples (heating mode) (Configuration 2)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C).....:	Cooling Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C).....:		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	38,5	35,7	36,2	105 (Class E)
Relay	36,7	33,7	36,9	T70
Capacitor	46,6	43,5	46,2	T70
Terminal block	33,2	31,2	33,4	For clause 30.1
PCB	40,0	39,4	46,5	T130
Power cord	35,0	30,3	35,4	75
Air outlet temperature	42,2	43,1	40,6	90
Transformer	50,9	51,8	49,2	110 (Class B)
Louver motor	29,7	30,1	30,0	105 (Class E)
X2 capacitor	49,7	36,0	38,8	T70
Test corner	28,6	29,6	29,8	90
Outdoor unit				
Compressor top enclosure	50,7			150
Compressor side enclosure	50,0			150
X capacitor	27,6			T85

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Clause	Requirement + Test	Result - Remark	Verdict

Relay	35,1	T70
Outdoor fan motor	24,3	105 (Class E)
Electrolytic capacitor	27,5	T70
IPM	30,5	Ref.
Rectifier	30,0	Ref.
Terminal block	26,8	For clause 30.1
4-way valve	97,5	110 (class B)
Internal wire to compressor	39,6	T105
PCB	25,4	T130
Power cord	28,2	75
Capacitor	27,9	T70
Enclosure	23,8	85
Transformer	31,4	110 (Class B)
inductance	34,3	Ref.
Reactor	30,5	165
Test corner	18,2	90

Remark: Outdoor unit M3OD-27HFN1-Q (Welling fan motor) eqquiped with indoor unit 1. MS9AI-07HRFN1-QRC8W (Welling fan motor), 2. MS9AU-12HRDN1-QRC8W (Welling fan motor), 3. MS9AU-18HRFN1- QRC8W (Welling fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1412	1849	105,1	120	B
Compressor winding	1,3	1,51	67,6	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-10	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32°C, WB: 23°C; Outdoor unit: DB 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	37,6	40,4	105 (Class E)
Relay	28,9	32,4	T70

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Capacitor	29,0	33,4	T70
Terminal block	29,4	31,3	For clause 30.1
PCB	29,4	31,3	145
Power cord	29,3	31,9	75
Air outlet temperature	20,3	21,2	90
Transformer	33,2	35,2	110 (Class B)
X2 capacitor	31,9	36,4	T70
Louver motor	28,7	31,5	105 (Class E)
Test corner	29,8	31,6	90
Outdoor unit			
Compressor top enclosure	68,4		150
Compressor side enclosure	69,3		150
X capacitor	46,9		T85
Relay	44,2		T70
Outdoor fan motor	58,4		105 (Class E)
Electrolytic capacitor	45,5		Ref.
IPM	54,8		Ref.
Rectifier	55,9		Ref.
Terminal block	44,5		For clause 30.1
4-way valve	50,5		110 (class B)
Internal wire to compressor	54,7		T105
PCB	44,7		T130
Power cord	46,8		75
Capacitor	44,7		T70
Enclosure	43,2		85
Transformer	49,2		110 (Class B)
Inductance	54,4		Ref.
Test corner	67,2		90
Reactor	65,4		110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q (Panasonic fan motor) eqquiped with indoor unit 1. MS9AI-07HRFN1-QRC8W (Nidec Shibaura fan motor), 2. MS9AU-18HRFN1- QRC8W (Nidec Shibaura fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	2,0	2,48	88,2	140	Synthetic Insulation

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Clause	Requirement + Test	Result - Remark	Verdict

supplementary information: R1 was measured at 25 °C

11.8-10	TABLE: Heating test, thermocouples (Heating mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	34,9	37,2	105 (Class E)
Relay	26,8	29,7	T70
Capacitor	27,2	30,2	T70
Terminal block	27,1	27,2	For clause 30.1
PCB	26,9	28,9	145
Power cord	27,0	28,9	75
Air outlet temperature	40,4	38,6	90
Transformer	32,4	32,2	110 (Class B)
X2 capacitor	30,8	32,9	T70
Louver motor	28,7	29,1	105 (Class E)
Test corner	27,9	28,3	90
Outdoor unit			
Compressor top enclosure	58,9		150
Compressor side enclosure	59,3		150
X capacitor	27,0		T85
Relay	31,2		T70
Outdoor fan motor	22,3		105 (Class E)
Electrolytic capacitor	26,9		Ref.
IPM	30,8		Ref.
Rectifier	29,7		Ref.
Terminal block	24,7		For clause 30.1
4-way valve	72,8		110 (class B)
Internal wire to compressor	42,2		T105
PCB	24,9		T130
Power cord	24,7		75

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Clause	Requirement + Test	Result - Remark	Verdict

Capacitor	27,0	T70
Enclosure	24,0	85
Transformer	31,7	110 (Class B)
inductance	33,2	Ref.
Test corner	20,5	90
Reactor	33,8	110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q (Panasonic fan motor) eqquiped with indoor unit 1. MS9AI-07HRFN1-QRC8W (Nidec Shibaura fan motor), 2. MS9AU-18HRFN1- QRC8W (Nidec Shibaura fan motor)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	2,0	2,41	78,9	140	Synthetic Insulation
4-way valve	1812	2259	89,2	120	B

supplementary information: R1 was measured at 25 °C

11.8-11	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32°C, WB: 23°C; Outdoor unit: DB 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	37,5	33,2	105 (Class E)
Relay	31,9	33,1	T70
Capacitor	32,1	33,6	T70
Terminal block	30,4	33,5	For clause 30.1
PCB	32,4	33,3	145
Power cord	33,2	32,1	75
Air outlet temperature	19,2	20,0	90
Transformer	33,3	32,4	110 (Class B)
X2 capacitor	33,1	30,5	T70
Louver motor	33,2	33,4	105 (Class E)
Test corner	30,7	31,9	90
Outdoor unit			

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Clause	Requirement + Test	Result - Remark	Verdict

Compressor top enclosure	65,8	150
Compressor side enclosure	67,7	150
X capacitor	50,9	T85
Relay	45,5	T70
Outdoor fan motor	59,6	105 (Class E)
Electrolytic capacitor	46,6	Ref.
IPM	62,6	Ref.
Rectifier	58,5	Ref.
Terminal block	45,0	For clause 30.1
4-way valve	52,4	110 (class B)
Internal wire to compressor	60,2	T105
PCB	47,5	T130
Power cord	47,2	75
Capacitor	47,9	T70
Enclosure	32,8	85
Transformer	51,3	110 (Class B)
Inductance	53,9	Ref.
Test corner	43,8	90
Reactor	54,2	110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q (Nidec Shibaura fan motor) eqquiped with indoor unit 1. MS11PU-12HRFN1-QRC8W (Panasonic fan motor), 2. MS9AU-18HRFN1- QRC8W (Panasonic fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	2,0	2,43	82,5	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-11	TABLE: Heating test, thermocouples (Heating mode) (Configuration 2)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	36,3	35,8	105 (Class E)
Relay	34,1	36,3	T70
Capacitor	35,5	37,3	T70
Terminal block	34,2	37,8	For clause 30.1
PCB	35,9	37,4	145
Power cord	36,5	34,4	75
Air outlet temperature	42,6	45,5	90
Transformer	37,3	36,2	110 (Class B)
X2 capacitor	36,7	35,4	T70
Louver motor	36,0	37,7	105 (Class E)
Test corner	27,9	34,6	90
Outdoor unit			
Compressor top enclosure	57,9		150
Compressor side enclosure	59,8		150
X capacitor	28,5		T85
Relay	27,9		T70
Outdoor fan motor	20,9		105 (Class E)
Electrolytic capacitor	25,5		Ref.
IPM	31,2		Ref.
Rectifier	28,1		Ref.
Terminal block	24,6		For clause 30.1
4-way valve	78,0		110 (class B)
Internal wire to compressor	49,1		T105
PCB	25,8		T130
Power cord	25,1		75
Capacitor	26,8		T70
Enclosure	24,5		85
Transformer	30,2		110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

inductance	30,2	Ref.
Test corner	36,3	90
Reactor	33,5	110 (Class B)

Remark: Outdoor unit M2OD-18HFN1-Q (Nidec Shibaura fan motor) eqquiped with indoor unit 1. MS11PU-12HRFN1-QRC8W (Panasonic fan motor), 2. MS9AU-18HRFN1- QRC8W (Panasonic fan motor) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	2,0	2,4	76,8	140	Synthetic Insulation
4-way valve	1812	2289	93,1	120	B

supplementary information: R1 was measured at 25 °C

11.8-12	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	55,1	40,3	38,1	60,7	105 (Class E)
Relay	34,9	38,3	34,8	38,4	T70
Capacitor	36,7	36,3	36,4	34,9	T70
Terminal block	33,9	33,6	33,7	33,1	For clause 30.1
PCB	33,9	33,6	33,1	32,2	T130
Power cord	34,9	35,2	32,3	34,2	75
Air outlet temperature	30,1	28,8	28,4	27,1	90
Transformer	36,2	34,6	33,9	38,2	110 (Class B)
Step (louver) motor	34,2	32,3	33,1	33,5	105 (Class E)
Test corner	32,3	32,2	32,2	33,5	90
Outdoor unit					
Compressor top enclosure	69,5				150
Compressor side enclosure	70,8				150
X capacitor	51,5				T85
Relay	51,1				T70

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Clause	Requirement + Test	Result - Remark	Verdict

Outdoor fan motor	57,4	105 (Class E)
Electrolytic capacitor	55,7	Ref.
IPM	79,1	Ref.
Rectifier	71,8	Ref.
Terminal block	51,1	For clause 30.1
4-way valve	52,1	110 (class B)
Internal wire to compressor	56,1	T105
PCB	53,8	T130
Power cord	52,1	75
Capacitor	53,2	T70
Enclosure	49,2	85
Transformer	53,2	110 (Class B)
Inductance	68,4	Ref.
Test corner	51,2	90

Remark: Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MS12FU-09HRDN1-QRC8W, MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS12FU-12HRFN1-QRC8W combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	—	—	120	B
Compressor winding	0,6	0,74	85,5	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-12	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	52,0	38,5	37,2	58,9	105 (Class E)
Relay	33,8	37,8	34,2	38,3	T70
Capacitor	35,0	35,6	35,6	33,6	T70
Terminal block	33,0	32,5	32,5	32,5	For clause 30.1
PCB	32,5	32,6	32,0	31,0	145

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Clause	Requirement + Test				Result - Remark	Verdict

Power cord	33,5	34,2	31,0	34,2	75
Air outlet temperature	45,3	45,2	42,8	45,5	90
Transformer	35,0	33,5	32,8	37,2	110 (Class B)
X2 capacitor	33,5	34,2	35,1	35,2	T70
Step motor	30,1	30,8	31,1	28,8	105 (Class E)
Test corner	30,3	31,0	31,2	31,0	90
Outdoor unit					
Compressor top enclosure	66,8 / 67,5				150
X capacitor	37,7				T85
Relay	39,8				T70
Outdoor fan motor	30,0				105 (Class E)
Electrolytic capacitor	42,5				Ref.
IPM	59,8				Ref.
Rectifier	58,3				Ref.
Terminal block	36,1				For clause 30.1
4-way valve	92,5				110 (class B)
Internal wire to compressor	47,1				T105
PCB	37,3				T130
Power cord	37,1				75
Capacitor	37,3				T70
Enclosure	34,0				85
Transformer	37,5				110 (Class B)
Inductance	72,1				Ref.
Test corner	31,5				90

Remark: Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MS12FU-09HRDN1-QRC8W, MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS12FU-12HRFN1-QRC8W combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	2290	100,8	120	B
Compressor winding	0,6	0,73	81,2	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-13	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	55,2	40,4	38,1	60,6	105 (Class E)
Relay	34,7	38,1	34,8	38,7	T70
Capacitor	34,7	36,5	35,7	35,3	T70
Terminal block	34,2	33,3	33,4	33,9	For clause 30.1
PCB	33,8	33,3	32,8	32,2	T130
Power cord	34,8	35,1	32,2	34,2	75
Air outlet temperature	29,8	28,9	32,2	27,1	90
Transformer	35,8	34,3	40,4	37,4	110 (Class B)
Step (louver) motor	32,1	32,1	33,3	33,7	105 (Class E)
Test corner	31,8	32,1	36,5	31,9	90
Outdoor unit					
Compressor top enclosure	69,3				150
Compressor side enclosure	70,6				150
X capacitor	51,5				T85
Relay	50,7				T70
Outdoor fan motor	64,9				105 (Class E)
Electrolytic capacitor	55,2				Ref.
IPM	78,8				Ref.
Rectifier	72,2				Ref.
Terminal block	51,1				For clause 30.1
4-way valve	52,2				110 (class B)
Internal wire to compressor	55,5				T105
PCB	53,1				T130
Power cord	52,1				75
Capacitor	53,5				T70
Enclosure	49,1				85
Transformer	52,8				110 (Class B)
Inductance	53,5				Ref.

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Test corner		51,1		90	
Remark: Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MS12FU-09HRDN1-QRC8W, MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS12FU-12HRFN1-QRC8W combinations for testing (with alternative motors)					
Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	—	—	120	B
Compressor winding	0,6	0,74	85,5	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

11.8-13	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	52,5	37,1	37,2	34,0	105 (Class E)
Relay	33,0	34,2	34,2	38,5	T70
Capacitor	35,2	35,0	35,0	33,9	T70
Terminal block	32,9	32,5	32,5	33,5	For clause 30.1
PCB	31,9	31,5	31,5	30,5	145
Power cord	32,8	30,5	30,5	33,9	75
Air outlet temperature	48,0	30,8	30,8	47,6	90
Transformer	34,1	31,8	32,0	37,1	110 (Class B)
X2 capacitor	32,3	34,7	34,7	35,6	T70
Step motor	29,5	31,0	30,2	27,8	105 (Class E)
Test corner	29,2	30,8	31,0	30,2	90
Outdoor unit					
Compressor top enclosure	74,2				150
X capacitor	75,4				T85
Relay	38,5				T70
Outdoor fan motor	28,2				105 (Class E)

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Clause	Requirement + Test	Result - Remark	Verdict

Electrolytic capacitor	43,5	Ref.
IPM	64,5	Ref.
Rectifier	65,3	Ref.
Terminal block	36,8	For clause 30.1
4-way valve	93,1	110 (class B)
Internal wire to compressor	50,5	T105
PCB	37,0	T130
Power cord	38,5	75
Capacitor	36,6	T70
Enclosure	33,9	85
Transformer	36,8	110 (Class B)
Inductance	75,0	Ref.
Test corner	30,7	90

Remark: Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MS12FU-09HRDN1-QRC8W, MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS12FU-12HRFN1-QRC8W combinations for testing
(with alternative motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	2285	100,1	120	B
Compressor winding	0,6	0,73	81,2	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-14	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)				P
	Test voltage (V) ..... :	254,4 V			—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C			—
	Ambient, t2 (°C)..... :				—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	37,6	40,4	33,4	105 (Class E)
Relay	32,2	37,1	32,9	T70
Capacitor	34,7	35,7	34,6	T70
Terminal block	32,3	32,7	30,8	For clause 30.1

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Clause	Requirement + Test	Result - Remark	Verdict

PCB	33,1	36,1	31,2	T130
Power cord	32,4	35,6	30,7	75
Air outlet temperature	29,4	26,4	27,1	90
Transformer	34,8	38,1	31,5	110 (Class B)
X2 capacitor	32,3	36,8	32,9	T70
Test corner	32,8	31,9	34,7	90
Outdoor unit				
Compressor top enclosure	64,3			150
Compressor side enclosure	64,9			Ref.
X capacitor	52,2			T85
Relay	51,8			T70
Outdoor fan motor	56,3			105 (Class E)
Electrolytic capacitor	53,1			Ref.
IPM	63,5			Ref.
Rectifier	61,3			Ref.
Terminal block	49,6			For clause 30.1
4-way valve	50,1			110 (class B)
Internal wire to compressor	52,5			T105
PCB	51,6			T130
Power cord	51,7			75
Capacitor	52,7			T70
Enclosure	49,4			85
Transformer	56,1			110 (Class B)
Reactor	60,7			165
Inductance	55,3			Ref.
Test corner	53,3			90

Remark: Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MFAU-12HRFN1-QRC8, MCA2I-09HRFN1-QRC8 and MTBI-09HWFN1-QRC8 combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	—	—	120	B
Compressor winding	0,8	0,965	78,5	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-14	TABLE: Heating test, thermocouples (heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,0	40,8	37,0	105 (Class E)
Relay	32,0	36,8	36,9	T70
Capacitor	33,6	35,8	37,5	T70
Terminal block	30,6	33,1	35,0	For clause 30.1
PCB	31,5	36,3	36,6	T130
Power cord	30,3	36,0	34,8	75
Air outlet temperature	42,2	41,6	44,3	90
Transformer	34,5	38,3	38,3	110 (Class B)
X2 capacitor	32,1	37,3	23,5	T70
Test corner	29,6	30,1	38,0	90
Outdoor unit				
Compressor top enclosure	72,6			150
Compressor side enclosure	72,5			150
X capacitor	46,8			T85
Relay	44,0			T70
Outdoor fan motor	19,5			105 (Class E)
Electrolytic capacitor	47,7			T70
IPM	47,0			Ref.
Rectifier	45,6			Ref.
Terminal block	39,2			For clause 30.1
4-way valve	85,0			110 (class B)
Internal wire to compressor	45,8			T105
PCB	48,2			T130
Power cord	41,2			75
Capacitor	40,1			T70
Enclosure	35,0			85
Transformer	43,7			110 (Class B)
inductance	23,0			Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Reactor	48,7	165
Test corner	47,2	90

Remark: Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MFAU-12HRFN1-QRC8, MCA2I-09HRFN1-QRC8 and MTBI-09HWFN1-QRC8 combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	2640	95,3	120	B
Compressor winding	0,8	0,99	86,6	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-15	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	37,6	40,6	32,7	105 (Class E)
Relay	31,8	35,5	31,6	T70
Capacitor	34,2	35,5	33,3	T70
Terminal block	32,1	31,7	30,5	For clause 30.1
PCB	32,6	36,4	30,8	T130
Power cord	32,1	37,1	30,3	75
Air outlet temperature	29,4	25,1	26,1	90
Transformer	34,2	36,7	31,2	110 (Class B)
X2 capacitor	32,1	36,9	33,2	T70
Test corner	32,3	31,3	33,1	90
Outdoor unit				
Compressor top enclosure	64,3			150
Compressor side enclosure	64,9			Ref.
X capacitor	52,4			T85
Relay	51,1			T70
Outdoor fan motor	56,1			105 (Class E)

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Clause	Requirement + Test	Result - Remark	Verdict

Electrolytic capacitor	53,8	Ref.
IPM	64,1	Ref.
Rectifier	61,7	Ref.
Terminal block	49,3	For clause 30.1
4-way valve	50,1	110 (class B)
Internal wire to compressor	52,6	T105
PCB	52,8	T130
Power cord	51,7	75
Capacitor	53,1	T70
Enclosure	49,2	85
Transformer	55,9	110 (Class B)
Reactor	63,5	165
Inductance	55,1	Ref.
Test corner	54,1	90

Remark: Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MFAU-12HRFN1-QRC8, MCA2I-09HRFN1-QRC8 and MTBI-09HWFN1-QRC8 combinations for testing (Alternative fan motor)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	—	—	120	B
Compressor winding	0,8	0,963	77,9	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-15	TABLE: Heating test, thermocouples (heating mode) (Configuration 3)			P
	Test voltage (V)..... :	254,4 V		—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C		—
	Ambient, t2 (°C)..... :			—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	34,3	40,8	36,1	105 (Class E)
Relay	31,5	35,2	35,1	T70
Capacitor	32,8	35,3	36,3	T70

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Clause	Requirement + Test		Result - Remark		Verdict

Terminal block	30,1	32,7	34,2	For clause 30.1
PCB	31,0	35,0	35,8	T130
Power cord	30,1	38,1	34,2	75
Air outlet temperature	41,5	40,7	43,7	90
Transformer	33,6	37,0	31,2	110 (Class B)
X2 capacitor	31,8	37,1	23,2	T70
Test corner	29,1	29,3	28,9	90
Outdoor unit				
Compressor top enclosure	72,1			150
Compressor side enclosure	72,2			150
X capacitor	46,3			T85
Relay	43,6			T70
Outdoor fan motor	18,8			105 (Class E)
Electrolytic capacitor	47,3			T70
IPM	46,5			Ref.
Rectifier	45,0			Ref.
Terminal block	38,1			For clause 30.1
4-way valve	85,8			110 (class B)
Internal wire to compressor	45,2			T105
PCB	47,3			T130
Power cord	40,8			75
Capacitor	39,7			T70
Enclosure	34,1			85
Transformer	43,7			110 (Class B)
inductance	23,0			Ref.
Reactor	47,8			165
Test corner	46,7			90
Remark: Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MFAU-12HRFN1-QRC8, MCA2I-09HRFN1-QRC8 and MTBI-09HWFN1-QRC8 combinations for testing (Alternative fan motor)				

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Clause	Requirement + Test	Result - Remark	Verdict

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	2645	96,0	120	B
Compressor winding	0,8	0,99	86,6	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

11.8-16	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	38,1	27,8	34,2	32,5	105 (Class E)
Relay	32,5	33,2	37,7	31,4	T70
Capacitor	34,7	38,7	34,1	33,0	T70
Terminal block	32,6	32,6	32,7	30,3	For clause 30.1
PCB	33,1	30,8	33,0	30,4	T130
Power cord	32,8	41,5	27,0	30,2	75
Air outlet temperature	31,6	36,5	32,5	26,7	90
Transformer	35,1	36,5	32,6	31,6	110 (Class B)
Step motor	-	38,1	27,7	-	110 (Class B)
Test corner	33,1	36,3	33,0	33,2	90
Outdoor unit					
Compressor top enclosure	70,8				150
Compressor side enclosure	72,0				150
X capacitor	51,6				T85
Relay	50,9				T70
Outdoor fan motor	64,3				105 (Class E)
Electrolytic capacitor	55,8				Ref.
IPM	80,1				Ref.
Rectifier	73,0				Ref.
Terminal block	51,0				For clause 30.1
4-way valve	52,1				110 (class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Internal wire to compressor	54,3	T105
PCB	53,2	T130
Power cord	52,1	75
Capacitor	53,5	T70
Enclosure	49,0	85
Transformer	53,0	110 (Class B)
Inductance	53,1	Ref.
Test corner	51,1	90

Remark: 3. Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MTBI-09HWFN1-QRC8, MFAU-12HRFN1-QRC8, MTBI-09HWFN1-QRC8 and MCA2I-18HRDN1-QRC8 combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	—	—	120	B
Compressor winding	0,6	0,74	85,5	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-16	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	33,4	40,9	33,3	36,1	105 (Class E)
Relay	30,8	29,8	33,1	34,8	T70
Capacitor	31,8	37,7	33,5	36,3	T70
Terminal block	29,3	28,6	31,2	34,1	For clause 30.1
PCB	29,6	36,9	32,7	36,1	145
Power cord	29,1	34,9	31,1	34,1	75
Air outlet temperature	40,9	40,3	41,5	41,2	90
Transformer	33,1	35,7	32,5	31,9	110 (Class B)
X2 capacitor	31,2	32,6	32,9	35,3	T70
Test corner	28,1	35,1	29,2	36,4	90

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Clause	Requirement + Test	Result - Remark	Verdict

Outdoor unit		
Compressor top enclosure	77,1/ 78,5	150
X capacitor	38,1	T85
Relay	39,3	T70
Outdoor fan motor	28,3	105 (Class E)
Electrolytic capacitor	43,6	Ref.
IPM	64,1	Ref.
Rectifier	64,7	Ref.
Terminal block	37,1	For clause 30.1
4-way valve	96,3	110 (class B)
Internal wire to compressor	46,7	T105
PCB	37,3	T130
Power cord	38,2	75
Capacitor	36,4	T70
Enclosure	34,7	85
Transformer	36,9	110 (Class B)
inductance	42,1	Ref.
Test corner	31,1	90

Remark: Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MTBI-09HWFN1-QRC8, MFAU-12HRFN1-QRC8, MTBI-09HWFN1-QRC8 and MCA2I-18HRDN1-QRC8 combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	2306	103,2	120	B
Compressor winding	0,6	0,76	94,2	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-17	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	38,5	27,8	34,2	32,3	105 (Class E)
Relay	32,6	33,2	37,1	31,3	T70
Capacitor	34,8	39,1	34,1	33,0	T70
Terminal block	32,6	32,5	33,0	30,3	For clause 30.1
PCB	33,0	31,1	32,9	30,3	T130
Power cord	32,7	42,0	26,8	30,4	75
Air outlet temperature	31,7	36,8	32,5	26,7	90
Transformer	35,0	36,7	32,7	31,6	110 (Class B)
X capacitor	33,2	33,2	32,8	31,5	T85
Test corner	33,0	36,2	33,0	33,1	90
Outdoor unit					
Compressor top enclosure	70,2				150
Compressor side enclosure	71,5				150
X capacitor	51,5				T85
Relay	50,9				T70
Outdoor fan motor	65,0				105 (Class E)
Electrolytic capacitor	55,7				Ref.
IPM	78,5				Ref.
Rectifier	72,2				Ref.
Terminal block	50,9				For clause 30.1
4-way valve	52,2				110 (class B)
Internal wire to compressor	54,5				T105
PCB	53,1				T130
Power cord	52,0				75
Capacitor	53,3				T70
Enclosure	48,9				85
Transformer	52,9				110 (Class B)
inductance	53,0				Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Test corner		50,9		90	
Remark: 3. Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MTBI-09HWFN1-QRC8, MFAU-12HRFN1-QRC8, MTBI-09HWFN1-QRC8 and MCA2I-18HRDN1-QRC8 combinations for testing (Alternative fan motors)					
Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	—	—	120	B
Compressor winding	0,6	0,74	85,6	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

11.8-17	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	33,1	40,6	32,9	35,8	105 (Class E)
Relay	30,4	29,4	32,7	34,6	T70
Capacitor	31,6	37,4	33,3	36,1	T70
Terminal block	29,1	28,2	30,7	33,9	For clause 30.1
PCB	29,3	36,6	32,5	35,8	145
Power cord	28,7	40,1	31,1	33,9	75
Air outlet temperature	40,6	34,5	41,2	41,1	90
Transformer	32,7	35,3	32,1	31,5	110 (Class B)
X2 capacitor	30,8	32,4	32,5	35,1	T70
Test corner	27,5	34,9	28,6	36,2	90
Outdoor unit					
Compressor top enclosure	76,4/ 78,3				150
X capacitor	38,1				T85
Relay	39,2				T70
Outdoor fan motor	28,1				105 (Class E)
Electrolytic capacitor	43,4				Ref.
IPM	63,8				Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Rectifier	64,1	Ref.
Terminal block	36,9	For clause 30.1
4-way valve	95,1	110 (class B)
Internal wire to compressor	46,3	T105
PCB	37,1	T130
Power cord	38,1	75
Capacitor	36,3	T70
Enclosure	34,6	85
Transformer	42,1	110 (Class B)
inductance	73,3	Ref.
Test corner	30,8	90

Remark: Outdoor unit M4OD-28HFN1-Q eqquiped with indoor unit MTBI-09HWFN1-QRC8, MFAU-12HRFN1-QRC8, MTBI-09HWFN1-QRC8 and MCA2I-18HRDN1-QRC8 combinations for testing (Alternative fan motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	2320	105,2	120	B
Compressor winding	0,6	0,76	94,2	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-18	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	38,1	54,5	41,2	105 (Class E)
Relay	35,2	35,1	35,9	T70
Capacitor	36,1	37,5	33,7	T70
Terminal block	33,5	34,5	35,0	For clause 30.1
PCB	33,1	34,1	34,2	T130
Power cord	32,8	35,0	27,1	75

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Clause	Requirement + Test	Result - Remark	Verdict

Air outlet temperature	28,6	28,1	36,6	90
Transformer	33,2	35,7	38,5	110 (Class B)
X2 capacitor	36,1	34,8	32,6	T70
Step motor	32,5	32,9	32,4	105 (Class E)
Test corner	32,6	32,0	32,5	90
Outdoor unit				
Compressor top enclosure	68,5			150
Compressor side enclosure	68,9			Ref.
X capacitor	53,5			T85
Relay	52,0			T70
Outdoor fan motor	56,3			105 (Class E)
Electrolytic capacitor	55,0			Ref.
IPM	65,2			Ref.
Rectifier	62,8			Ref.
Terminal block	50,5			For clause 30.1
4-way valve	52,1			110 (class B)
Internal wire to compressor	54,5			T105
PCB	53,5			T130
Power cord	52,5			75
Capacitor	53,5			T70
Enclosure	49,5			85
Transformer	56,1			110 (Class B)
Reactor	64,6			165
Inductance	55,6			Ref.
Test corner	55,0			90

Remark: Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS11MU-12HRFN1-QRD0W(B) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	—	—	120	B
Compressor winding	0,8	1,0	89,9	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-18	TABLE: Heating test, thermocouples (heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,9	50,8	37,1	105 (Class E)
Relay	33,3	33,1	32,8	T70
Capacitor	34,1	35,1	30,3	T70
Terminal block	31,4	32,8	31,5	For clause 30.1
PCB	30,5	32,1	30,6	T130
Power cord	28,2	32,9	33,6	75
Air outlet temperature	45,1	47,5	45,3	90
Transformer	30,9	33,8	35,7	110 (Class B)
X2 capacitor	33,6	32,4	28,9	T70
Test corner	29,1	29,7	29,7	90
Outdoor unit				
Compressor top enclosure	77,1			150
Compressor side enclosure	76,8			150
X capacitor	44,9			T85
Relay	33,9			T70
Outdoor fan motor	17,5			105 (Class E)
Electrolytic capacitor	46,7			T70
IPM	49,1			Ref.
Rectifier	47,7			Ref.
Terminal block	35,7			For clause 30.1
4-way valve	83,3			110 (class B)
Internal wire to compressor	46,3			T105
PCB	45,1			T130
Power cord	38,7			75
Capacitor	39,2			T70
Enclosure	34,2			85
Transformer	43,2			110 (Class B)
inductance	20,3			Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Reactor	51,7	165
Test corner	46,8	90

Remark: Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS11MU-12HRFN1-QRD0W(B) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	2618	92,6	120	B
Compressor winding	0,8	1,01	93,1	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-19	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,1	54,1	41,2	105 (Class E)
Relay	35,8	35,2	36,1	T70
Capacitor	33,5	37,5	33,6	T70
Terminal block	33,0	34,5	34,8	For clause 30.1
PCB	32,8	34,0	34,2	T130
Power cord	28,6	35,1	36,5	75
Air outlet temperature	33,2	28,2	27,1	90
Transformer	36,1	35,0	32,6	110 (Class B)
X2 capacitor	32,6	35,0	32,6	T70
Test corner	32,5	35,0	32,6	90
Outdoor unit				
Compressor top enclosure	69,0			150
Compressor side enclosure	69,3			Ref.
X capacitor	53,6			T85
Relay	52,0			T70
Outdoor fan motor	55,6			105 (Class E)

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Clause	Requirement + Test	Result - Remark	Verdict

Electrolytic capacitor	54,5	Ref.
IPM	65,6	Ref.
Rectifier	63,0	Ref.
Terminal block	50,8	For clause 30.1
4-way valve	52,5	110 (class B)
Internal wire to compressor	54,5	T105
PCB	53,2	T130
Power cord	52,8	75
Capacitor	53,8	T70
Enclosure	49,6	85
Transformer	56,1	110 (Class B)
Reactor	65,0	165
Inductance	55,6	Ref.
Test corner	55,1	90

Remark: Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS11MU-12HRFN1-QRD0W(B) combinations for testing
(Alternative fan motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	—	—	120	B
Compressor winding	0,8	0,98	83,3	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-19	TABLE: Heating test, thermocouples (heating mode) (Configuration 3)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 30°C; Outdoor unit: DB 30°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,8	50,4	36,9	105 (Class E)
Relay	33,1	32,8	32,5	T70
Capacitor	33,7	34,8	30,1	T70
Terminal block	31,1	32,5	31,2	For clause 30.1

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Clause	Requirement + Test	Result - Remark	Verdict

PCB	30,2	31,7	30,3	T130
Power cord	28,1	32,7	33,2	75
Air outlet temperature	45,1	47,3	45,1	90
Transformer	30,7	33,4	35,5	110 (Class B)
X2 capacitor	33,4	32,1	28,5	T70
Test corner	29,4	29,1	28,4	90
Outdoor unit				
Compressor top enclosure	76,7			150
Compressor side enclosure	76,4			150
X capacitor	44,8			T85
Relay	40,1			T70
Outdoor fan motor	17,5			105 (Class E)
Electrolytic capacitor	46,1			T70
IPM	48,8			Ref.
Rectifier	47,6			Ref.
Terminal block	35,5			For clause 30.1
4-way valve	83,4			110 (class B)
Internal wire to compressor	46,1			T105
PCB	44,9			T130
Power cord	38,6			75
Capacitor	39,1			T70
Enclosure	34,1			85
Transformer	43,5			110 (Class B)
inductance	20,3			Ref.
Reactor	51,3			165
Test corner	46,8			90

Remark: Outdoor unit M3OD-21HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW, MS12FU-09HRDN1-QRC8W and MS11MU-12HRFN1-QRD0W(B) combinations for testing
(Alternative fan motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	2640	95,3	120	B
Compressor winding	0,8	1,0	89,9	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-20	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	71,5	32,1	32,7	32,0	105 (Class E)
Relay	35,0	44,5	32,7	39,5	T70
Capacitor	34,0	32,4	31,5	32,9	T70
Terminal block	34,7	40,2	36,8	30,3	For clause 30.1
PCB	33,8	32,4	31,8	30,6	T130
Power cord	28,7	32,7	31,5	30,3	75
Air outlet temperature	28,7	29,1	27,6	26,9	90
Transformer	34,3	39,1	32,0	31,3	110 (Class B)
Sync. motor	31,8	32,7	—	30,3	105 (Class E)
Test corner	31,9	32,3	32,0	30,9	90
Outdoor unit					
Compressor top enclosure	69,7				150
Compressor side enclosure	70,6				150
X capacitor	50,7				T85
Relay	50,4				T70
Outdoor fan motor	63,6				105 (Class E)
Electrolytic capacitor	54,4				Ref.
IPM	75,3				Ref.
Rectifier	68,7				Ref.
Terminal block	50,6				For clause 30.1
4-way valve	51,6				110 (class B)
Internal wire to compressor	54,0				T105
PCB	51,8				T130
Power cord	51,5				75
Capacitor	53,0				T70
Enclosure	48,8				85
Transformer	52,3				110 (Class B)
Inductance	51,3				Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Test corner	50,8	90

Remark: Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-07HWFN1-QRC8, MS12FI-07HRDN1-QRC8W, MCA2I-07HRFN1-QRC8 and MS12FU-18HRFN1-QRC8W combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	—	—	120	B
Compressor winding	0,6	0,74	86,3	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-21	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	68,8	43,2	30,4	40,5	105 (Class E)
Relay	32,7	29,0	32,0	33,1	T70
Capacitor	31,9	29,4	30,2	36,5	T70
Terminal block	32,9	35,9	33,3	33,5	For clause 30.1
PCB	31,7	29,5	29,7	33,7	145
Power cord	29,4	29,8	31,4	33,6	75
Air outlet temperature	42,5	42,0	40,9	41,7	90
Transformer	31,9	36,3	29,6	36,3	110 (Class B)
X2 capacitor	28,1	28,7	31,4	31,8	T70
Sync. motor	28,9	29,8	—	35,0	110 (Class B)
Test corner	29,0	29,0	28,4	35,8	90
Outdoor unit					
Compressor top enclosure	76,4				150
Compressor side enclosure	78,3				150
X capacitor	33,1				T85
Relay	34,5				T70
Outdoor fan motor	23,8				105 (Class E)

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Clause	Requirement + Test	Result - Remark	Verdict

Electrolytic capacitor	39,0	Ref.
IPM	57,5	Ref.
Rectifier	58,7	Ref.
Terminal block	32,2	For clause 30.1
4-way valve	88,2	110 (class B)
Internal wire to compressor	45,9	T105
PCB	33,2	T130
Power cord	33,7	75
Capacitor	35,2	T70
Enclosure	31,5	85
Transformer	34,0	110 (Class B)
Inductance	34,4	Ref.
Test corner	27,1	90

Remark: Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-07HWFN1-QRC8, MS12FI-07HRDN1-QRC8W, MCA2I-07HRFN1-QRC8 and MS12FU-18HRFN1-QRC8W combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	2290	100,8	120	B
Compressor winding	0,6	0,76	94,2	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-22	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	71,2	44,4	32,6	31,9	105 (Class E)
Relay	35,1	32,1	32,7	39,4	T70
Capacitor	34,0	32,2	31,5	32,9	T70
Terminal block	34,7	40,0	36,7	30,3	For clause 30.1
PCB	32,2	32,2	31,9	30,6	T130

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Power cord	32,2	32,6	31,5	30,3	75
Air outlet temperature	28,7	29,1	27,7	31,4	90
Transformer	33,9	39,0	32,0	26,9	110 (Class B)
Sync. motor	32,0	32,1	—	30,3	110 (Class B)
Test corner	31,8	32,2	32,2	30,9	90
Outdoor unit					
Compressor top enclosure	69,8				150
Compressor side enclosure	70,6				150
X capacitor	50,7				T85
Relay	50,4				T70
Outdoor fan motor	63,8				105 (Class E)
Electrolytic capacitor	54,2				Ref.
IPM	75,5				Ref.
Rectifier	68,9				Ref.
Terminal block	50,6				For clause 30.1
4-way valve	51,6				110 (class B)
Internal wire to compressor	53,5				T105
PCB	51,8				T130
Power cord	51,5				75
Capacitor	52,9				T70
Enclosure	48,8				85
Transformer	52,3				110 (Class B)
inductance	51,3				Ref.
Test corner	50,6				90

Remark: Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-07HWFN1-QRC8, MS12FI-07HRDN1-QRC8W, MCA2I-07HRFN1-QRC8 and MS12FU-18HRFN1-QRC8W combinations for testing (Alternative fan motor)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	2050	65,7	120	B
Compressor winding	0,6	0,74	85,5	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-22	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	68,6	43,1	30,1	33,2	105 (Class E)
Relay	32,6	29,2	32,1	40,6	T70
Capacitor	31,9	29,4	30,4	36,6	T70
Terminal block	32,8	35,8	33,4	33,5	For clause 30.1
PCB	31,5	29,5	29,7	33,8	145
Power cord	29,3	29,8	31,5	33,7	75
Air outlet temperature	42,5	42,1	40,9	41,7	90
Transformer	31,8	36,1	29,7	36,4	110 (Class B)
X2 capacitor	27,9	28,5	31,6	32,3	T70
Sync. motor	29,0	29,1	—	35,1	105 (Class E)
Test corner	28,9	28,8	28,4	35,9	90
Outdoor unit					
Compressor top enclosure	76,6				150
Compressor side enclosure	78,4				150
X capacitor	33,1				T85
Relay	34,4				T70
Outdoor fan motor	23,7				105 (Class E)
Electrolytic capacitor	39,2				Ref.
IPM	57,7				Ref.
Rectifier	58,9				Ref.
Terminal block	32,3				For clause 30.1
4-way valve	87,6				110 (class B)
Internal wire to compressor	45,8				T105
PCB	33,2				T130
Power cord	33,6				75
Capacitor	35,1				T70
Enclosure	31,6				85
Transformer	34,0				110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Inductance	34,6	Ref.
Test corner	27,2	90

Remark: Outdoor unit M4OD-28HFN1-Q equipped with indoor unit MTBI-07HWFN1-QRC8, MS12FI-07HRDN1-QRC8W, MCA2I-07HRFN1-QRC8 and MS12FU-18HRFN1-QRC8W combinations for testing (Alternative fan motor)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1772	2290	100,8	120	B
Compressor winding	0,6	0,76	94,2	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-23	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	41,8	39,1	40,9	37,8	105 (Class E)
Relay	32,2	32,6	35,8	33,6	T70
Capacitor	43,0	33,2	36,0	33,8	T70
Terminal block	33,2	32,0	33,0	32,0	For clause 30.1
PCB	32,6	32,8	36,1	32,2	T130
Power cord	32,8	32,2	32,2	32,1	75
Air outlet temperature	29,0	27,2	27,5	23,8	90
Transformer	36,1	33,1	37,6	34,0	110 (Class B)
Sync. motor	31,9	—	33,0	—	105 (Class E)
Test corner	32,2	32,2	32,6	32,6	90
Outdoor unit					
Compressor top enclosure	80,1				150
Compressor side enclosure	80,0				150
X capacitor	50,8				T85
Relay	52,2				T70

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Outdoor fan motor	78,5	105 (Class E)
Electrolytic capacitor	52,5	Ref.
IPM	62,1	Ref.
Rectifier	73,5	Ref.
Terminal block	49,8	For clause 30.1
4-way valve	54,2	110 (class B)
Internal wire to compressor	55,3	T105
PCB	53,2	T130
Power cord	50,5	75
Enclosure	49,1	85
Transformer	58,3	110 (Class B)
inductance	51,3	Ref.
Test corner	53,5	90

Remark: Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11M-18HRFN1-QRC8Q1W, MTBU-12HWFN1-QRC8, MFAU-12HRFN1-QRC8 and MTBU-12HWFN1-QRC8 combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1933	2225	64,2	120	B
Compressor winding	0,4	0,51	96,3	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-23	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	41,5	35,4	39,5	34,1	105 (Class E)
Relay	31,2	32,9	34,5	32,1	T70
Capacitor	42,5	33,6	34,2	32,8	T70
Terminal block	31,4	31,7	31,6	30,3	For clause 30.1
PCB	31,1	30,2	35,4	29,6	145
Power cord	30,5	30,3	28,9	29,7	75

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Clause	Requirement + Test	Result - Remark	Verdict

Air outlet temperature	43,8	44,2	41,9	46,3	90
Transformer	35,2	33,3	36,9	34,6	110 (Class B)
X2 capacitor	33,6	32,4	29,7	31,7	T70
Sync. motor	29,8	—	28,9	—	110 (Class B)
Test corner	28,6	29,4	36,2	28,9	90
Outdoor unit					
Compressor top enclosure	89,4				150
Compressor side enclosure	89,1				150
X capacitor	37,4				T85
Relay	39,4				T70
Outdoor fan motor	25,1				105 (Class E)
Electrolytic capacitor	40,3				Ref.
IPM	52,7				Ref.
Rectifier	59,4				Ref.
Terminal block	33,9				For clause 30.1
4-way valve	65,7				110 (class B)
Internal wire to compressor	41,5				T105
PCB	38,7				T130
Power cord	35,6				75
Enclosure	32,8				85
Transformer	46,3				110 (Class B)
Inductance	37,4				Ref.
Test corner	28,2				90

Remark: Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11M-18HRFN1-QRC8Q1W, MTBU-12HWFN1-QRC8, MFAU-12HRFN1-QRC8 and MTBU-12HWFN1-QRC8 combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1933	2385	85,6	120	B
Compressor winding	0,4	0,51	96,3	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-24	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	41,6	39,2	40,8	37,5	105 (Class E)
Relay	32,4	32,5	35,9	33,6	T70
Capacitor	43,2	33,2	36,1	33,7	T70
Terminal block	33,2	32,2	33,1	32,0	For clause 30.1
PCB	32,2	32,7	36,3	32,1	T130
Power cord	32,7	32,3	32,3	32,3	75
Air outlet temperature	29,1	27,2	27,5	23,8	90
Transformer	36,1	33,1	37,5	34,1	110 (Class B)
Sync. motor	32,0	—	33,1	—	110 (Class B)
Test corner	32,2	32,2	32,5	32,6	90
Outdoor unit					
Compressor top enclosure	80,2				150
Compressor side enclosure	80,3				150
X capacitor	50,7				T85
Relay	52,5				T70
Outdoor fan motor	78,6				105 (Class E)
Electrolytic capacitor	52,5				Ref.
IPM	62,1				Ref.
Rectifier	73,5				Ref.
Terminal block	49,7				For clause 30.1
4-way valve	54,5				110 (class B)
Internal wire to compressor	55,3				T105
PCB	53,2				T130
Power cord	50,6				75
Enclosure	49,2				85
Transformer	58,3				110 (Class B)
Inductance	51,3				Ref.
Test corner	53,5				90

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Clause	Requirement + Test	Result - Remark	Verdict

Remark: Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11M-18HRFN1-QRC8Q1W, MTBU-12HWFN1-QRC8, MFAU-12HRFN1-QRC8 and MTBU-12HWFN1-QRC8 combinations for testing (Alternative fan motor)					
Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1933	2228	64,6	120	B
Compressor winding	0,4	0,51	96,3	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

11.8-24	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating Mode: Indoor unit: DB 30°C; Outdoor unit: DB30°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	1	2	3	4	
Indoor unit x 4					
Indoor fan motor	41,2	35,6	39,1	33,8	105 (Class E)
Relay	30,2	32,5	34,5	31,9	T70
Capacitor	42,8	33,1	34,3	32,9	T70
Terminal block	31,0	31,5	31,7	30,3	For clause 30.1
PCB	31,0	30,3	35,6	29,7	145
Power cord	30,5	30,1	29,6	29,7	75
Air outlet temperature	44,3	44,5	41,9	46,4	90
Transformer	35,3	33,4	36,8	33,6	110 (Class B)
X2 capacitor	33,8	32,4	28,7	31,7	T70
Sync. motor	29,7	—	28,7	—	105 (Class E)
Test corner	28,6	29,4	36,2	28,9	90
Outdoor unit					
Compressor top enclosure	89,5				150
Compressor side enclosure	88,9				150
X capacitor	37,5				T85
Relay	39,3				T70
Outdoor fan motor	25,2				105 (Class E)
Electrolytic capacitor	40,2				Ref.

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IPM	52,4	Ref.
Rectifier	59,8	Ref.
Terminal block	34,2	For clause 30.1
4-way valve	65,3	110 (class B)
Internal wire to compressor	41,7	T105
PCB	38,8	T130
Power cord	35,8	75
Enclosure	32,9	85
Transformer	46,4	110 (Class B)
Inductance	37,5	Ref.
Test corner	28,4	90

Remark: Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11M-18HRFN1-QRC8Q1W, MTBU-12HWFN1-QRC8, MFAU-12HRFN1-QRC8 and MTBU-12HWFN1-QRC8 combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1933	2382	85,2	120	B
Compressor winding	0,4	0,51	96,3	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-25	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	66,2	40,9	105 (Class E)
Relay	34,5	34,2	T70
Capacitor	39,5	34,9	T70
Terminal block	33,7	32,3	For clause 30.1
PCB	33,0	32,1	T130
Power cord	35,6	35,0	75
Air outlet temperature	23,1	23,5	90

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Transformer	40,1	31,8	110 (Class B)
Sync. motor	32,0	31,4	105 (Class E)
Test corner	32,0	31,4	90
Outdoor unit			
Compressor top enclosure	75,2		150
Compressor side enclosure	75,3		150
X capacitor	54,5		T85
Relay	55,3		T70
Outdoor fan motor	56,1		105 (Class E)
Electrolytic capacitor	55,5		Ref.
IPM	67,8		Ref.
Rectifier	64,5		Ref.
Terminal block	51,5		For clause 30.1
4-way valve	55,1		110 (class B)
Internal wire to compressor	55,2		T105
PCB	52,8		T130
Power cord	53,5		75
Capacitor	55,3		T70
Enclosure	50,5		85
Transformer	57,5		110 (Class B)
Inductance	57,3		Ref.
Test corner	56,1		90

Remark: Outdoor unit M2OD-14HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW and MS12FU-09HRDN1-QRC8W combinations for testing.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	2296	70,5	120	B
Compressor winding	1,8	2,2	82,6	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-25	TABLE: Heating test, thermocouples (heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)	Max. T (°C)

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	1	2	
Indoor unit x 2			
Indoor fan motor	61,4	37,6	105 (Class E)
Relay	33,5	34,6	T70
Capacitor	37,7	35,2	T70
Terminal block	33,2	32,3	For clause 30.1
PCB	32,5	32,2	T130
Power cord	34,3	34,5	75
Air outlet temperature	50,1	48,8	90
Transformer	37,6	32,3	110 (Class B)
Sync. motor	29,8	30,8	110 (Class B)
Test corner	29,8	31,4	90
Outdoor unit			
Compressor top enclosure	86,4		150
Compressor side enclosure	88,3		150
X capacitor	39,2		T85
Relay	39,5		T70
Outdoor fan motor	21,5		105 (Class E)
Electrolytic capacitor	40,0		Ref.
IPM	45,0		Ref.
Rectifier	42,7		Ref.
Terminal block	32,7		For clause 30.1
4-way valve	68,6		110 (class B)
Internal wire to compressor	46,8		T105
PCB	36,6		T130
Power cord	35,9		75
Capacitor	38,6		T70
Enclosure	33,7		85
Transformer	42,3		110 (Class B)
Inductance	40,3		Ref.
Test corner	23,8		90
Remark: Outdoor unit M2OD-14HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW and MS12FU-09HRDN1-QRC8W combinations for testing.			

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	2481	95,1	120	B

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Compressor winding	1,8	2,3	97,0	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

11.8-26	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	66,0	36,9	105 (Class E)
Relay	34,5	34,2	T70
Capacitor	39,5	35,0	T70
Terminal block	33,8	32,5	For clause 30.1
PCB	33,7	31,9	T130
Power cord	35,5	34,6	75
Air outlet temperature	23,1	23,3	90
Transformer	40,3	31,8	110 (Class B)
Sync. motor	31,9	31,6	110 (Class B)
Test corner	31,8	31,5	90
Outdoor unit			
Compressor top enclosure	75,5		150
Compressor side enclosure	75,7		150
X capacitor	54,6		T85
Relay	55,4		T70
Outdoor fan motor	56,2		105 (Class E)
Electrolytic capacitor	55,6		Ref.
IPM	68,0		Ref.
Rectifier	64,5		Ref.
Terminal block	51,3		For clause 30.1
4-way valve	55,1		110 (class B)
Internal wire to compressor	55,5		T105

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Clause	Requirement + Test	Result - Remark	Verdict

PCB	53,0	T130
Power cord	53,6	75
Capacitor	55,3	T70
Enclosure	50,5	85
Transformer	57,6	110 (Class B)
Inductance	57,5	Ref.
Test corner	56,1	90

Remark: Outdoor unit M2OD-14HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW and MS12FU-09HRDN1-QRC8W combinations for testing.
(Alternative fan motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	2296	70,5	120	B
Compressor winding	1,8	2,2	82,6	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-26	TABLE: Heating test, thermocouples (heating mode) (Configuration 3)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	60,4	36,8	105 (Class E)
Relay	33,2	34,5	T70
Capacitor	37,9	34,9	T70
Terminal block	32,2	32,3	For clause 30.1
PCB	31,8	31,2	T130
Power cord	34,5	34,9	75
Air outlet temperature	51,1	48,1	90
Transformer	37,1	31,3	110 (Class B)
Sync. motor	29,6	30,8	110 (Class B)
Test corner	29,8	31,2	90
Outdoor unit			

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Compressor top enclosure	86,7	150
Compressor side enclosure	88,6	150
X capacitor	39,5	T85
Relay	39,7	T70
Outdoor fan motor	21,7	105 (Class E)
Electrolytic capacitor	40,5	Ref.
IPM	45,4	Ref.
Rectifier	42,9	Ref.
Terminal block	32,6	For clause 30.1
4-way valve	69,0	110 (class B)
Internal wire to compressor	47,1	T105
PCB	36,8	T130
Power cord	36,0	75
Capacitor	38,5	T70
Enclosure	33,9	85
Transformer	42,4	110 (Class B)
Inductance	40,3	Ref.
Test corner	24,0	90

Remark: Outdoor unit M2OD-14HFN1-Q eqquiped with indoor unit MS11MI-07HRFN1-QW and MS12FU-09HRDN1-QRC8W combinations for testing.
(Alternative fan motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	2442	89,9	120	B
Compressor winding	1,8	2,3	97,0	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-27	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	39,6	56,7	66,4	38,0	50,0	105 (Class E)
Relay	35,0	—	34,6	34,9	36,4	T70
Capacitor	32,5	—	39,3	35,8	39,5	T70
Terminal block	34,0	33,2	33,5	33,2	31,7	For clause 30.1
PCB	33,1	32,3	33,6	32,7	32,0	T130
Power cord	35,7	35,3	35,8	35,0	32,1	75
Air outlet temperature	28,1	28,8	28,3	28,5	27,8	90
Transformer	38,6	36,5	37,8	32,6	39,4	110 (Class B)
Sync. motor	31,7	32,3	32,2	32,1	31,5	105 (Class E)
Test corner	31,7	32,2	31,8	32,1	32,2	90
Outdoor unit						
Compressor top enclosure	67,1					150
Compressor side enclosure	66,0					150
X capacitor	49,4					T85
Relay	49,4					T70
Outdoor fan motor	78,8					105 (Class E)
Electrolytic capacitor	49,8					Ref.
IPM	60,4					Ref.
Rectifier	71,1					Ref.
Terminal block	48,7					For clause 30.1
4-way valve	49,0					110 (class B)
Internal wire to compressor	54,2					T105
PCB	52,7					T130
Power cord	49,6					75
Enclosure	48,8					85
Transformer	58,0					110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Inductance	49,0	Ref.
Test corner	53,6	90

Remark: Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B), MS12FU-18HRFN1-QRC8W, MS12FI-07HRDN1-QRC8W, MS12FU-09HRFN1-QRC8W and MS11MI-07HRFN1-QW combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1933	—	—	120	B
Compressor winding	0,4	0,49	83,4	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-27	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	36,6	50,7	59,9	34,8	48,5	105 (Class E)
Relay	32,3	—	32,9	32,3	35,3	T70
Capacitor	29,6	—	36,3	33,4	38,2	T70
Terminal block	31,1	30,5	31,2	30,2	29,3	For clause 30.1
PCB	30,2	28,9	31,2	29,3	30,6	T130
Power cord	43,0	33,4	34,2	32,6	31,4	75
Air outlet temperature	32,9	43,5	47,1	43,7	42,9	90
Transformer	35,9	34,6	36,5	29,5	38,5	110 (Class B)
Sync. motor	28,2	27,1	28,5	28,5	29,8	105 (Class E)
Test corner	28,1	28,6	28,7	28,5	27,2	90
Outdoor unit						
Compressor top enclosure	99,3					150
Compressor side enclosure	98,5					150
X capacitor	39,5					T85

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Clause	Requirement + Test	Result - Remark	Verdict

Relay	42,5	T70
Outdoor fan motor	26,1	105 (Class E)
Electrolytic capacitor	45,2	Ref.
IPM	59,3	Ref.
Rectifier	65,1	Ref.
Terminal block	38,6	For clause 30.1
4-way valve	75,0	110 (class B)
Internal wire to compressor	45,0	T105
PCB	40,1	T130
Power cord	36,9	75
Enclosure	35,9	85
Transformer	49,5	110 (Class B)
Inductance	43,5	Ref.
Test corner	32,2	90

Remark: Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B), MS12FU-18HRFN1-QRC8W, MS12FI-07HRDN1-QRC8W, MS12FU-09HRFN1-QRC8W and MS11MI-07HRFN1-QW combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1933	2437	92,7	120	B
Compressor winding	0,4	0,53	109,3	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-28	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	39,4	56,6	64,4	38,4	49,0	105 (Class E)
Relay	35,5	—	34,6	34,6	36,4	T70
Capacitor	32,4	—	39,3	35,8	39,5	T70
Terminal block	34,4	33,6	33,1	33,3	31,7	For clause 30.1

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Clause	Requirement + Test					Result - Remark		Verdict
PCB	33,2	32,5	33,4	32,7	32,1	T130		
Power cord	35,7	35,3	35,8	35,0	32,1	75		
Air outlet temperature	27,1	27,8	26,3	27,5	27,2	90		
Transformer	38,6	36,6	36,8	33,6	39,8	110 (Class B)		
Sync. motor	31,8	32,3	32,3	32,8	32,5	105 (Class E)		
Test corner	31,7	32,3	31,4	32,5	32,3	90		
Outdoor unit								
Compressor top enclosure	66,9					150		
Compressor side enclosure	66,2					150		
X capacitor	49,6					T85		
Relay	49,6					T70		
Outdoor fan motor	49,6					105 (Class E)		
Electrolytic capacitor	78,8					Ref.		
IPM	49,8					Ref.		
Rectifier	60,1					Ref.		
Terminal block	71,3					For clause 30.1		
4-way valve	48,7					110 (class B)		
Internal wire to compressor	49,1					T105		
PCB	54,3					T130		
Power cord	52,8					75		
Capacitor	49,9					T70		
Enclosure	48,9					85		
Transformer	58,2					110 (Class B)		
Inductance	49,9					Ref.		
Test corner	53,7					90		
Remark: Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B), MS12FU-18HRFN1-QRC8W, MS12FI-07HRDN1-QRC8W, MS12FU-09HRFN1-QRC8W and MS11MI-07HRFN1-QW combinations for testing (Alternative fan motors)								
Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class			
4-way valve winding	1933	—	—	120	B			
Compressor winding	0,4	0,49	83,4	140	Synthetic Insulation			
supplementary information: R1 was measured at 25 °C								

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-28	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	36,4	50,2	59,5	34,7	48,5	105 (Class E)
Relay	32,2	—	32,9	32,2	35,2	T70
Capacitor	29,5	—	36,0	33,3	38,0	T70
Terminal block	31,1	30,5	31,0	30,2	29,3	For clause 30.1
PCB	30,1	28,9	31,0	29,3	30,6	T130
Power cord	42,7	33,3	34,0	32,5	31,5	75
Air outlet temperature	32,8	43,5	47,0	43,8	42,9	90
Transformer	35,9	34,6	36,5	29,4	38,4	110 (Class B)
Sync. motor	27,9	27,1	28,4	28,3	29,7	105 (Class E)
Test corner	28,0	28,5	28,5	28,4	27,2	90
Outdoor unit						
Compressor top enclosure	99,2					150
Compressor side enclosure	98,7					150
X capacitor	39,8					T85
Relay	42,8					T70
Outdoor fan motor	26,0					105 (Class E)
Electrolytic capacitor	44,7					Ref.
IPM	59,3					Ref.
Rectifier	65,4					Ref.
Terminal block	38,7					For clause 30.1
4-way valve	74,8					110 (class B)
Internal wire to compressor	45,2					T105
PCB	40,3					T130
Power cord	37,3					75
Enclosure	36,1					85
Transformer	49,9					110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

Inductance	43,9	Ref.
Test corner	32,3	90

Remark: Outdoor unit M5OC-36HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B), MS12FU-18HRFN1-QRC8W, MS12FI-07HRDN1-QRC8W, MS12FU-09HRFN1-QRC8W and MS11MI-07HRFN1-QW combinations for testing (Alternative fan motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1933	2451	94,5	120	B
Compressor winding	0,4	0,53	109,3	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-29	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	30,2	32,5	105 (Class E)
Relay	31,4	32,3	T70
Capacitor	32,5	32,2	T70
Terminal block	31,6	32,1	For clause 30.1
PCB	31,0	32,0	T130
Power cord	32,3	31,6	75
Air outlet temperature	30,3	24,2	90
Transformer	23,6	32,0	110 (Class B)
Test corner	29,7	31,8	90
Outdoor unit			
Compressor top enclosure	75,6		150
Compressor side enclosure	75,6		150
X capacitor	54,2		T85
Relay	55,8		T70
Outdoor fan motor	56,6		105 (Class E)

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Clause	Requirement + Test	Result - Remark	Verdict

Electrolytic capacitor	55,3	Ref.
IPM	66,5	Ref.
Rectifier	63,9	Ref.
Terminal block	51,9	For clause 30.1
4-way valve	54,5	110 (class B)
Internal wire to compressor	55,5	T105
PCB	52,9	T130
Power cord	53,6	75
Capacitor	55,3	T70
Enclosure	50,7	85
Transformer	57,8	110 (Class B)
Inductance	57,0	Ref.
Test corner	56,6	90

Remark: Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MTBI-09HRFN1-Q and MCA21-09HRFN1-Q combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	—	—	120	B
Compressor winding	1,8	2,27	92,8	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-29	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	34,0	29,3	105 (Class E)
Relay	36,3	28,6	T70
Capacitor	36,8	31,5	T70
Terminal block	36,7	31,2	For clause 30.1

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Clause	Requirement + Test	Result - Remark	Verdict

PCB	35,2	29,2	T130
Power cord	36,6	31,1	75
Air outlet temperature	50,7	42,9	90
Transformer	32,9	31,5	110 (Class B)
Test corner	37,3	27,9	90
Outdoor unit			
Compressor top enclosure	97,2		150
Compressor side enclosure	99,1		150
X capacitor	44,6		T85
Relay	43,6		T70
Outdoor fan motor	19,6		105 (Class E)
Electrolytic capacitor	44,8		Ref.
IPM	50,8		Ref.
Rectifier	48,6		Ref.
Terminal block	38,8		For clause 30.1
4-way valve	104,5		110 (class B)
Internal wire to compressor	53,5		T105
PCB	44,1		T130
Power cord	39,1		75
Capacitor	41,3		T70
Enclosure	37,1		85
Transformer	46,4		110 (Class B)
Inductance	45,8		Ref.
Test corner	26,2		90
Remark: Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MTBI-09HRFN1-Q and MCA21-09HRFN1-Q combinations for testing			

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	2593	110,0	120	B
Compressor winding	1,8	2,36	105,7	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-30	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	32,2	33,5	105 (Class E)
Relay	31,4	32,3	T70
Capacitor	33,5	32,5	T70
Terminal block	31,6	32,8	For clause 30.1
PCB	31,4	32,2	T130
Power cord	32,3	32,6	75
Air outlet temperature	28,3	24,2	90
Transformer	23,6	32,0	110 (Class B)
Test corner	28,7	31,8	90
Outdoor unit			
Compressor top enclosure	76,1		150
Compressor side enclosure	75,6		150
X capacitor	54,3		T85
Relay	55,8		T70
Outdoor fan motor	56,6		105 (Class E)
Electrolytic capacitor	55,4		Ref.
IPM	66,5		Ref.
Rectifier	63,9		Ref.
Terminal block	51,8		For clause 30.1
4-way valve	54,4		110 (class B)
Internal wire to compressor	55,4		T105
PCB	52,9		T130
Power cord	53,6		75
Capacitor	55,2		T70
Enclosure	50,7		85
Transformer	57,9		110 (Class B)
Inductance	57,1		Ref.
Test corner	56,5		90

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Clause	Requirement + Test	Result - Remark	Verdict

Remark: Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MTBI-09HRFN1-Q and MCA21-09HRFN1-Q combinations for testing (Alternative fan motors)					
Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	—	—	120	B
Compressor winding	1,8	2,27	92,8	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

11.8-30	TABLE: Heating test, thermocouples (Heating mode) (Configuration 3)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	34,1	29,4	105 (Class E)
Relay	36,3	28,5	T70
Capacitor	36,8	31,6	T70
Terminal block	36,8	31,2	For clause 30.1
PCB	35,5	28,7	T130
Power cord	36,7	31,2	75
Air outlet temperature	50,6	43,2	90
Transformer	33,0	31,5	110 (Class B)
Test corner	37,1	27,8	90
Outdoor unit			
Compressor top enclosure	97,6		150
Compressor side enclosure	99,4		150
X capacitor	44,6		T85
Relay	43,5		T70
Outdoor fan motor	19,7		105 (Class E)
Electrolytic capacitor	44,7		Ref.
IPM	50,9		Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Rectifier	48,7	Ref.
Terminal block	39,1	For clause 30.1
4-way valve	104,4	110 (class B)
Internal wire to compressor	53,4	T105
PCB	43,9	T130
Power cord	39,2	75
Capacitor	41,1	T70
Enclosure	37,2	85
Transformer	46,2	110 (Class B)
Inductance	45,7	Ref.
Test corner	26,6	90

Remark: Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MTBI-09HRFN1-Q and MCA21-09HRFN1-Q combinations for testing (Alternative fan motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	2585	109,0	120	B
Compressor winding	1,8	2,35	104,3	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-31	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	34,2	38,1	105 (Class E)
Relay	41,4	34,7	T70
Capacitor	41,9	32,1	T70
Terminal block	33,1	33,5	For clause 30.1
PCB	38,2	32,7	T130
Power cord	35,2	35,2	75
Air outlet temperature	23,4	22,7	90

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Clause	Requirement + Test	Result - Remark	Verdict

Transformer	48,1	57,6	110 (Class B)
Sync. motor	32,0	—	105 (Class E)
Test corner	32,2	31,9	90
Outdoor unit			
Compressor top enclosure	75,6		150
Compressor side enclosure	75,8		150
X capacitor	53,7		T85
Relay	55,1		T70
Outdoor fan motor	57,1		105 (Class E)
Electrolytic capacitor	55,1		Ref.
IPM	67,7		Ref.
Rectifier	64,4		Ref.
Terminal block	52,9		For clause 30.1
4-way valve	53,9		110 (class B)
Internal wire to compressor	54,8		T105
PCB	53,6		T130
Power cord	53,7		75
Capacitor	54,7		T70
Enclosure	50,9		85
Transformer	57,7		110 (Class B)
Inductance	56,3		Ref.
Test corner	56,9		90

Remark: Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B) and MFAI-07HRFN1-QRC8 combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	—	—	120	B
Compressor winding	1,8	2,31	98,5	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-31	TABLE: Heating test, thermocouples (heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	33,9	39,0	105 (Class E)
Relay	44,2	34,2	T70
Capacitor	43,9	31,5	T70
Terminal block	31,6	33,1	For clause 30.1
PCB	38,5	32,2	T130
Power cord	35,0	34,8	75
Air outlet temperature	47,5	43,7	90
Transformer	47,1	37,1	110 (Class B)
Sync. motor	30,5	—	105 (Class E)
Test corner	30,8	30,7	90
Outdoor unit			
Compressor top enclosure	87,6		150
Compressor side enclosure	89,5		150
X capacitor	40,2		T85
Relay	41,0		T70
Outdoor fan motor	19,1		105 (Class E)
Electrolytic capacitor	41,3		Ref.
IPM	44,5		Ref.
Rectifier	42,3		Ref.
Terminal block	31,5		For clause 30.1
4-way valve	101,2		110 (class B)
Internal wire to compressor	47,6		T105
PCB	36,5		T130
Power cord	36,3		75
Capacitor	38,5		T70
Enclosure	32,4		85
Transformer	43,0		110 (Class B)
Inductance	41,1		Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Test corner		23,0		90	
Remark: Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B) and MFAI-07HRFN1-QRC8 combinations for testing					
Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	2565	106,3	120	B
Compressor winding	1,8	2,34	102,8	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

11.8-32	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	34,2	38,1	105 (Class E)
Relay	39,3	34,7	T70
Capacitor	41,7	32,1	T70
Terminal block	32,9	33,6	For clause 30.1
PCB	38,1	32,6	T130
Power cord	35,3	35,2	75
Air outlet temperature	23,5	22,7	90
Transformer	48,3	37,6	110 (Class B)
Sync. motor	32,2	—	105 (Class E)
Test corner	32,1	31,9	90
Outdoor unit			
Compressor top enclosure	76,1		150
Compressor side enclosure	76,2		150
X capacitor	53,7		T85
Relay	55,1		T70
Outdoor fan motor	57,2		105 (Class E)
Electrolytic capacitor	55,1		Ref.
IPM	67,7		Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Rectifier	64,4	Ref.
Terminal block	53,2	For clause 30.1
4-way valve	53,6	110 (class B)
Internal wire to compressor	54,7	T105
PCB	53,5	T130
Power cord	53,6	75
Capacitor	54,6	T70
Enclosure	51,1	85
Transformer	57,4	110 (Class B)
Inductance	56,1	Ref.
Test corner	57,2	90

Remark: Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B) and MFAI-07HRFN1-QRC8 combinations for testing (Alternative fan motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	—	—	120	B
Compressor winding	1,8	2,3	97,1	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-32	TABLE: Heating test, thermocouples (heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	32,9	39,2	105 (Class E)
Relay	43,2	34,8	T70
Capacitor	42,9	31,4	T70
Terminal block	31,5	33,1	For clause 30.1
PCB	38,6	32,4	T130
Power cord	36,0	31,8	75
Air outlet temperature	47,5	43,5	90

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Clause	Requirement + Test	Result - Remark	Verdict

Transformer	47,1	37,3	110 (Class B)
Sync. motor	30,4	—	110 (Class B)
Test corner	30,8	30,7	90
Outdoor unit			
Compressor top enclosure	90,5		150
Compressor side enclosure	92,4		150
X capacitor	43,6		T85
Relay	41,0		T70
Outdoor fan motor	20,1		105 (Class E)
Electrolytic capacitor	44,3		Ref.
IPM	47,8		Ref.
Rectifier	45,3		Ref.
Terminal block	34,5		For clause 30.1
4-way valve	101,8		110 (class B)
Internal wire to compressor	50,6		T105
PCB	38,9		T130
Power cord	39,1		75
Capacitor	41,3		T70
Enclosure	35,4		85
Transformer	45,0		110 (Class B)
Inductance	43,7		Ref.
Test corner	25,5		90

Remark: Outdoor unit M2OD-14HFN1-Q equipped with indoor unit MS11MU-12HRFN1-QRD0W(B) and MFAI-07HRFN1-QRC8 combinations for testing (Alternative fan motors)

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	1953	2572	107,2	120	B
Compressor winding	1,8	2,35	104,3	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-33	TABLE: Heating test, thermocouples (Cooling mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	33,1	49,8	105 (Class E)
Relay	34,1	31,4	T70
Capacitor	35,1	31,7	T70
Terminal block	31,3	31,5	For clause 30.1
PCB	32,6	31,7	T130
Power cord	33,2	31,5	75
Air outlet temperature	22,8	23,9	90
Transformer	37,3	33,8	110 (Class B)
Sync. motor	30,9	—	105 (Class E)
Test corner	30,1	31,8	90
Outdoor unit			
Compressor top enclosure	82,6		150
Compressor side enclosure	82,8		150
X capacitor	55,6		T85
Relay	52,4		T70
Outdoor fan motor	66,6		105 (Class E)
Electrolytic capacitor	56,8		Ref.
IPM	71,3		Ref.
Rectifier	69,3		Ref.
Terminal block	51,3		For clause 30.1
4-way valve	56,7		110 (class B)
Internal wire to compressor	58,2		T105
PCB	54,1		T130
Power cord	54,1		75
Capacitor	53,5		T70
Enclosure	48,4		85
Transformer	57,8		110 (Class B)
Inductance	57,6		Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

Test corner		58,7		90	
Remark: Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MTBI-18HWDN1-QRC8 and MFAI-09HRFN1-QRC8 combinations for testing					
Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	—	—	120	B
Compressor winding	0,8	1,03	99,6	140	Synthetic Insulation
supplementary information: R1 was measured at 25 °C					

11.8-33	TABLE: Heating test, thermocouples (heating mode) (Configuration 3)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	42,8	46,8	105 (Class E)
Relay	33,5	31,5	T70
Capacitor	33,8	31,5	T70
Terminal block	31,5	30,8	For clause 30.1
PCB	32,1	30,7	T130
Power cord	33,7	30,8	75
Air outlet temperature	36,2	35,9	90
Transformer	37,5	33,5	110 (Class B)
Sync. motor	32,5	—	110 (Class B)
Test corner	31,3	31,6	90
Outdoor unit			
Compressor top enclosure	87,2		150
Compressor side enclosure	89,5		150
X capacitor	43,5		T85
Relay	38,2		T70
Outdoor fan motor	25,9		105 (Class E)
Electrolytic capacitor	46,1		Ref.

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Clause	Requirement + Test	Result - Remark	Verdict

IPM	44,2	Ref.
Rectifier	43,5	Ref.
Terminal block	38,3	For clause 30.1
4-way valve	85,2	110 (class B)
Internal wire to compressor	47,5	T105
PCB	47,3	T130
Power cord	35,5	75
Capacitor	36,6	T70
Enclosure	32,2	85
Transformer	40,3	110 (Class B)
Inductance	26,2	Ref.
Test corner	43,3	90

Remark: Outdoor unit M3OD-21HFN1-Q equipped with indoor unit MTBI-18HWDN1-QRC8 and MFAI-09HRFN1-QRC8 combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2077	2553	84,5	120	B
Compressor winding	0,8	1,03	99,6	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-34	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32°C, WB: 23°C; Outdoor unit: DB: 50°C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	42,3	47,5	105 (Class E)
Fan motor running capacitor	36,2	36,9	T70
Terminal block	35,5	38,2	For clause 30.1
PCB	32,6	34,2	145
Power cord	33,3	34,3	75

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Clause	Requirement + Test	Result - Remark	Verdict

Air outlet temperature	22,1	23,5	90
Transformer	36,8	35,5	110 (Class B)
X2 capacitor	35,7	36,7	T70
Test corner	35,2	34,0	90
Step motor	32,5	30,8	105 (Class E)
Outdoor unit			
Compressor top enclosure	80,5		150
Compressor side enclosure	81,9		150
X capacitor	55,8		T85
Relay	51,0		T70
Electrolytic capacitor	59,0		Ref.
Outdoor fan motor	65,1		105 (Class E)
IPMb	72,3		Ref.
Rectifier	72,5		Ref.
Terminal block	56,8		For clause 30.1
4-way valve	60,8		110 (class B)
Internal wire to compressor	57,7		T105
PCB	51,8		T130
Power cord	52,6		75
Fan motor running capacitor	55,2		T70
Enclosure	51,0		85
Transformer	57,2		110 (Class B)
inductance	61,2		Ref.
Test corner	55,8		90
Reactor	67,9		165 (Class H)

Remark: Outdoor unit M2OD-18HFN1-Q (Panasonic, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Welling, RPG20E) and MS12FU-12HRFN1-QRD0GW (Panasonic, WZDK20-38G) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	0,9	1,13	91,3	140	Synthetic Insulation
Reactor	0,2	0,243	80,8	165	H

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-35	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 30°C, WB: 19°C; Outdoor unit: DB: 34°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	38,7	43,8	105 (Class E)
Fan motor running capacitor	33,9	34,9	T70
Terminal block	31,9	34,4	For clause 30.1
PCB	29,1	31,1	145
Power cord	29,8	31,4	75
Air outlet temperature	43,6	44,4	90
Transformer	33,7	32,9	110 (Class B)
X2 capacitor	32,6	34,9	T70
Test corner	32,1	30,9	90
Step motor	28,6	45,7	105 (Class E)
Outdoor unit			
Compressor top enclosure	78,4		150
Compressor side enclosure	80,2		150
X capacitor	38,8		T85
Relay	28,4		T70
Electrolytic capacitor	41,9		Ref.
Outdoor fan motor	19,6		105 (Class E)
IPM	45,4		Ref.
Rectifier	44,1		Ref.
Terminal block	47,4		For clause 30.1
4-way valve	89,8		110 (class B)
Internal wire to compressor	43,4		T105
PCB	29,4		T130
Power cord	29,6		75
Fan motor running capacitor	32,2		T70
Enclosure	28,3		85
Transformer	37,8		110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

inductance	41,7	Ref.
Test corner	22,2	90
Reactor	49,6	165 (Class H)

Remark: Outdoor unit M2OD-18HFN1-Q (Panasonic, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Welling, RPG20E) and MS12FU-12HRFN1-QRD0GW (Panasonic, WZDK20-38G) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2070	2637	96,1	120	B
Compressor winding	0,9	1,12	88,4	140	Synthetic Insulation
Reactor	0,2	0,234	69,1	165	H

supplementary information: R1 was measured at 25 °C

11.8-36	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32°C, WB: 23°C; Outdoor unit: DB: 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	42,4	47,6	105 (Class E)
Fan motor running capacitor	36,4	36,8	T70
Terminal block	35,3	38,4	For clause 30.1
PCB	32,5	34,2	145
Power cord	33,5	34,3	75
Air outlet temperature	22,2	23,1	90
Transformer	36,7	35,4	110 (Class B)
X2 capacitor	35,8	36,5	T70
Test corner	35,3	34,1	90
Step motor	32,6	31,2	105 (Class E)
Outdoor unit			
Compressor top enclosure	80,7		150

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Clause	Requirement + Test	Result - Remark	Verdict

Compressor side enclosure	81,8	150
X capacitor	55,9	T85
Relay	51,3	T70
Electrolytic capacitor	59,4	Ref.
Outdoor fan motor	65,2	105 (Class E)
IPM	72,5	Ref.
Rectifier	72,6	Ref.
Terminal block	56,6	For clause 30.1
4-way valve	61,2	110 (class B)
Internal wire to compressor	57,8	T105
PCB	51,8	T130
Power cord	52,7	75
Fan motor running capacitor	55,1	T70
Enclosure	51,2	85
Transformer	57,4	110 (Class B)
inductance	61,3	Ref.
Test corner	55,6	90
Reactor	67,7	165 (Class H)

Remark: Outdoor unit M2OD-18HFN1-Q (Shibaura, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Broad-ocean, RPG20E) and MS12FU-12HRFN1-QRD0GW (Shibaura, WZDK20-38G) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	0,9	1,13	91,3	140	Synthetic Insulation
Reactor	0,2	0,244	82,1	165	H

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-37	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 30°C, WB: 19°C; Outdoor unit: DB: 34°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	38,8	44,1	105 (Class E)
Fan motor running capacitor	34,1	35,1	T70
Terminal block	32,1	34,5	For clause 30.1
PCB	29,2	31,2	145
Power cord	29,8	31,5	75
Air outlet temperature	43,5	44,4	90
Transformer	33,7	33,1	110 (Class B)
X2 capacitor	32,6	35,1	T70
Test corner	32,2	30,9	90
Step motor	28,6	45,6	105 (Class E)
Outdoor unit			
Compressor top enclosure	78,7		150
Compressor side enclosure	80,4		150
X capacitor	38,9		T85
Relay	28,5		T70
Electrolytic capacitor	41,9		Ref.
Outdoor fan motor	19,7		105 (Class E)
IPM	45,5		Ref.
Rectifier	44,1		Ref.
Terminal block	47,4		For clause 30.1
4-way valve	89,8		110 (class B)
Internal wire to compressor	43,5		T105
PCB	29,5		T130
Power cord	29,6		75
Fan motor running capacitor	32,3		T70
Enclosure	28,5		85
Transformer	37,8		110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

inductance	41,7	Ref.
Test corner	22,2	90
Reactor	49,9	165 (Class H)

Remark: Outdoor unit M2OD-18HFN1-Q (Shibaura, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Broad-ocean, RPG20E) and MS12FU-12HRFN1-QRD0GW (Shibaura, WZDK20-38G) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2070	2633	95,6	120	B
Compressor winding	0,9	1,11	85,5	140	Synthetic Insulation
Reactor	0,2	0,234	69,1	165	H

supplementary information: R1 was measured at 25 °C

11.8-38	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32°C, WB: 23°C; Outdoor unit: DB: 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	42,3	47,5	105 (Class E)
Fan motor running capacitor	36,2	37,2	T70
Terminal block	35,5	38,1	For clause 30.1
PCB	32,8	34,1	145
Power cord	33,5	34,3	75
Air outlet temperature	22,3	23,5	90
Transformer	36,7	35,5	110 (Class B)
X2 capacitor	35,8	37,0	T70
Test corner	35,2	34,1	90
Step motor	32,5	32,0	105 (Class E)
Outdoor unit			
Compressor top enclosure	81,6		150

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Compressor side enclosure	81,8	150
X capacitor	55,8	T85
Relay	61,1	T70
Electrolytic capacitor	59,2	Ref.
Outdoor fan motor	65,3	105 (Class E)
IPM	72,3	Ref.
Rectifier	72,5	Ref.
Terminal block	56,5	For clause 30.1
4-way valve	58,0	110 (class B)
Internal wire to compressor	51,1	T105
PCB	51,8	T130
Power cord	52,6	75
Fan motor running capacitor	55,3	T70
Enclosure	51,3	85
Transformer	57,3	110 (Class B)
inductance	61,5	Ref.
Test corner	56,0	90
Reactor	68,1	165 (Class H)

Remark: Outdoor unit M2OD-18HFN1-Q (Welling, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Tongde, RPG20E) and MS12FU-12HRFN1-QRD0GW (Welling, WZDK20-38G) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	0,9	1,14	94,2	140	Synthetic Insulation
Reactor	0,2	0,244	82,1	165	H

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-39	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 30°C, WB: 19°C; Outdoor unit: DB: 34°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	38,7	43,8	105 (Class E)
Fan motor running capacitor	33,9	34,9	T70
Terminal block	31,9	34,5	For clause 30.1
PCB	29,2	31,2	145
Power cord	29,8	31,4	75
Air outlet temperature	43,6	44,5	90
Transformer	33,7	32,9	110 (Class B)
X2 capacitor	32,6	34,9	T70
Test corner	32,2	30,8	90
Step motor	28,6	45,8	105 (Class E)
Outdoor unit			
Compressor top enclosure	78,5		150
Compressor side enclosure	80,4		150
X capacitor	38,9		T85
Relay	28,5		T70
Electrolytic capacitor	41,8		Ref.
Outdoor fan motor	19,8		105 (Class E)
IPM	45,6		Ref.
Rectifier	44,3		Ref.
Terminal block	47,7		For clause 30.1
4-way valve	89,8		110 (class B)
Internal wire to compressor	43,5		T105
PCB	29,5		T130
Power cord	29,6		75
Fan motor running capacitor	32,4		T70
Enclosure	28,3		85
Transformer	37,8		110 (Class B)

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Clause	Requirement + Test	Result - Remark	Verdict

inductance	41,7	Ref.
Test corner	22,2	90
Reactor	49,8	165 (Class H)

Remark: Outdoor unit M2OD-18HFN1-Q (Welling, WZDK40-38G-W-1) eqquiped with indoor unit MS12FU-09HRDN1-QRC8GW (Tongde, RPG20E) and MS12FU-12HRFN1-QRD0GW (Welling, WZDK20-38G) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2070	2639	96,3	120	B
Compressor winding	0,9	1,12	88,4	140	Synthetic Insulation
Reactor	0,2	0,233	67,8	165	H

supplementary information: R1 was measured at 25 °C

11.8-40	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	46,5	40,4	32,1	105 (Class E)
Relay	37,9	38,7	41,6	T70
Capacitor	37,4	37,0	35,3	T70
Terminal block	33,9	37,1	32,3	For clause 30.1
PCB	34,3	34,9	34,5	T130
Power cord	35,6	28,3	34,7	75
Air outlet temperature	28,6	27,4	27,6	90
Transformer	37,2	45,0	35,3	110 (Class B)
X2 capacitor	35,4	36,4	36,8	T70
Test corner	32,0	32,2	31,9	90
Step motor	32,0	31,0	32,2	105 (Class E)
Outdoor unit				
Compressor top enclosure	65,4			150

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Compressor side enclosure	65,8	Ref.
X capacitor	50,9	T85
Relay	50,9	T70
Outdoor fan motor	66,2	105 (Class E)
Electrolytic capacitor	61,8	Ref.
IPM	49,8	Ref.
Rectifier	64,4	Ref.
Terminal block	51,0	For clause 30.1
4-way valve	49,9	110 (class B)
Internal wire to compressor	48,6	T105
PCB	51,3	T130
Power cord	51,3	75
Capacitor	50,4	T70
Enclosure	47,9	85
Transformer	52,1	110 (Class B)
Reactor	56,5	165 (Class H)
Inductance	51,9	Ref.
Test corner	55,7	90

Remark: Outdoor unit M3OD-26HFN1-Q (Panasonic, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Welling, RPG20E), MS12FU-12HRFN1-QRD0GW (Panasonic, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Wolong, RPG20E) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2095	2400	62,7	120	B
Compressor winding	0,7	0,85	80,6	140	Synthetic Insulation
Reactor	0,2	0,234	69,1	165	H

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-41	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 34 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	45,0	37,8	28,9	105 (Class E)
Relay	37,2	35,5	38,5	T70
Capacitor	34,2	35,2	32,6	T70
Terminal block	31,6	34,3	29,8	For clause 30.1
PCB	31,9	33,0	32,0	T130
Power cord	33,6	21,6	31,6	75
Air outlet temperature	43,5	44,5	44,6	90
Transformer	35,6	44,6	32,6	110 (Class B)
X2 capacitor	32,3	33,7	34,6	T70
Test corner	28,5	28,3	28,7	90
Step motor	28,6	33,3	29,1	105 (Class E)
Outdoor unit				
Compressor top enclosure	61,6			150
Compressor side enclosure	64,7			150
X capacitor	33,2			T85
Relay	31,0			T70
Outdoor fan motor	15,1			105 (Class E)
Electrolytic capacitor	44,7			Ref.
IPM	35,8			Ref.
Rectifier	44,8			Ref.
Terminal block	27,8			For clause 30.1
4-way valve	83,1			110 (class B)
Internal wire to compressor	40,5			T105
PCB	33,5			T130
Power cord	29,5			75
Capacitor	29,1			T70
Enclosure	27,7			85

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Clause	Requirement + Test	Result - Remark	Verdict

Transformer	33,7	110 (Class B)
Reactor	53,9	165 (Class H)
Inductance	37,0	Ref.
Test corner	25,2	90

Remark: Outdoor unit M3OD-26HFN1-Q (Panasonic, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Welling, RPG20E), MS12FU-12HRFN1-QRD0GW (Panasonic, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Wolong, RPG20E) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2095	2660	94,9	120	B
Compressor winding	0,7	0,84	76,9	140	Synthetic Insulation
Reactor	0,2	0,232	66,5	165	H

supplementary information: R1 was measured at 25 °C

11.8-42	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	46,9	40,6	32,1	105 (Class E)
Relay	38,2	38,7	41,6	T70
Capacitor	37,3	37,2	35,3	T70
Terminal block	34,0	37,2	32,3	For clause 30.1
PCB	34,3	35,0	34,4	T130
Power cord	35,6	28,8	34,3	75
Air outlet temperature	28,4	27,3	27,5	90
Transformer	37,2	45,0	35,3	110 (Class B)
X2 capacitor	35,4	36,5	36,6	T70
Test corner	31,9	32,2	32,2	90

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Clause	Requirement + Test	Result - Remark	Verdict

Step motor	31,9	31,1	31,9	105 (Class E)
Outdoor unit				
Compressor top enclosure	65,1			150
Compressor side enclosure	64,9			Ref.
X capacitor	51,9			T85
Relay	51,2			T70
Outdoor fan motor	67,8			105 (Class E)
Electrolytic capacitor	62,4			Ref.
IPM	51,4			Ref.
Rectifier	64,8			Ref.
Terminal block	50,4			For clause 30.1
4-way valve	50,3			110 (class B)
Internal wire to compressor	49,9			T105
PCB	51,7			T130
Power cord	51,4			75
Capacitor	50,0			T70
Enclosure	48,8			85
Transformer	52,8			110 (Class B)
Reactor	57,8			165 (Class H)
Inductance	52,9			Ref.
Test corner	55,2			90

Remark: Outdoor unit M3OD-26HFN1-Q (Shibaura, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Broad-ocean, RPG20E), MS12FU-12HRFN1-QRD0GW (Shibaura, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Tongde, RPG20E) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2095	2400	62,7	120	B
Compressor winding	0,7	0,85	80,6	140	Synthetic Insulation
Reactor	0,2	0,234	69,1	165	H

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-43	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 34 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	44,9	37,7	28,9	105 (Class E)
Relay	37,2	35,6	38,5	T70
Capacitor	34,1	35,2	32,7	T70
Terminal block	31,5	34,3	29,7	For clause 30.1
PCB	31,8	32,9	32,1	T130
Power cord	33,6	21,5	31,5	75
Air outlet temperature	43,3	44,6	44,7	90
Transformer	35,6	44,5	32,8	110 (Class B)
X2 capacitor	32,3	33,8	34,5	T70
Test corner	28,5	28,5	28,8	90
Step motor	28,2	33,3	29,0	105 (Class E)
Outdoor unit				
Compressor top enclosure	61,9			150
Compressor side enclosure	65,1			150
X capacitor	33,3			T85
Relay	31,0			T70
Outdoor fan motor	15,0			105 (Class E)
Electrolytic capacitor	44,7			Ref.
IPM	35,8			Ref.
Rectifier	44,9			Ref.
Terminal block	27,8			For clause 30.1
4-way valve	83,2			110 (class B)
Internal wire to compressor	40,5			T105
PCB	33,5			T130
Power cord	29,6			75
Capacitor	29,5			T70
Enclosure	27,9			85

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Clause	Requirement + Test	Result - Remark	Verdict

Transformer	33,8	110 (Class B)
Reactor	53,9	165 (Class H)
Inductance	37,0	Ref.
Test corner	25,5	90

Remark: Outdoor unit M3OD-26HFN1-Q (Shibaura, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Broad-ocean, RPG20E), MS12FU-12HRFN1-QRD0GW (Shibaura, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Tongde, RPG20E) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2095	2660	94,9	120	B
Compressor winding	0,7	0,83	73,1	140	Synthetic Insulation
Reactor	0,2	0,232	66,5	165	H

supplementary information: R1 was measured at 25 °C

11.8-44	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	47,1	40,7	32,1	105 (Class E)
Relay	38,3	38,6	41,5	T70
Capacitor	37,4	37,4	35,4	T70
Terminal block	34,0	37,0	32,3	For clause 30.1
PCB	34,2	34,9	34,5	T130
Power cord	35,6	29,2	34,3	75
Air outlet temperature	28,3	27,2	27,1	90
Transformer	37,0	45,0	35,4	110 (Class B)
X2 capacitor	35,2	36,6	36,7	T70
Test corner	31,9	32,2	32,3	90
Step motor	31,8	31,2	31,9	105 (Class E)

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Clause	Requirement + Test	Result - Remark	Verdict

Outdoor unit		
Compressor top enclosure	64,2	150
Compressor side enclosure	64,8	Ref.
X capacitor	51,4	T85
Relay	50,6	T70
Outdoor fan motor	67,9	105 (Class E)
Electrolytic capacitor	61,6	Ref.
IPM	51,6	Ref.
Rectifier	64,0	Ref.
Terminal block	49,8	For clause 30.1
4-way valve	49,9	110 (class B)
Internal wire to compressor	49,8	T105
PCB	51,4	T130
Power cord	50,9	75
Capacitor	49,5	T70
Enclosure	48,5	85
Transformer	52,5	110 (Class B)
Reactor	58,1	165 (Class H)
Inductance	52,6	Ref.
Test corner	54,9	90

Remark: Outdoor unit M3OD-26HFN1-Q (Welling, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Wolong, RPG20E), MS12FU-12HRFN1-QRD0GW (Welling, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Broad-ocean, RPG20E) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2095	2400	62,7	120	B
Compressor winding	0,7	0,84	76,9	140	Synthetic Insulation
Reactor	0,2	0,234	69,1	165	H

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-45	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 34 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	45,0	37,6	30,1	105 (Class E)
Relay	37,2	35,5	38,5	T70
Capacitor	34,1	35,1	32,6	T70
Terminal block	31,5	34,3	29,7	For clause 30.1
PCB	31,8	32,9	32,1	T130
Power cord	33,5	21,5	31,6	75
Air outlet temperature	43,2	44,5	44,5	90
Transformer	35,6	44,5	32,6	110 (Class B)
X2 capacitor	32,3	33,8	34,5	T70
Test corner	28,5	28,3	28,6	90
Step motor	28,3	33,5	29,1	105 (Class E)
Outdoor unit				
Compressor top enclosure	62,0			150
Compressor side enclosure	65,0			150
X capacitor	33,3			T85
Relay	31,0			T70
Outdoor fan motor	15,1			105 (Class E)
Electrolytic capacitor	44,9			Ref.
IPM	35,8			Ref.
Rectifier	44,9			Ref.
Terminal block	27,9			For clause 30.1
4-way valve	82,9			110 (class B)
Internal wire to compressor	40,5			T105
PCB	33,5			T130
Power cord	29,6			75
Capacitor	29,5			T70
Enclosure	27,7			85

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Clause	Requirement + Test	Result - Remark	Verdict

Transformer	33,8	110 (Class B)
Reactor	53,7	165 (Class H)
Inductance	36,9	Ref.
Test corner	25,5	90

Remark: Outdoor unit M3OD-26HFN1-Q (Welling, WZDK50-38G) eqquiped with indoor unit MS12FU-12HRDN1-QRC8GW (Wolong, RPG20E), MS12FU-12HRFN1-QRD0GW (Welling, WZDK20-38G) and MS12FU-09HRDN1-QRC8GW (Broad-ocean, RPG20E) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2095	2660	94,9	120	B
Compressor winding	0,7	0,84	76,9	140	Synthetic Insulation
Reactor	0,2	0,232	66,5	165	H

supplementary information: R1 was measured at 25 °C

11.8-46	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V)..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	38,9	33,8	38,8	105 (Class E)
Relay	35,3	47,2	49,2	T70
Capacitor	36,4	36,1	46,4	T70
Terminal block	31,7	32,9	33,4	For clause 30.1
PCB	31,4	33,6	42,4	T130
Power cord	32,6	32,5	36,3	75
Air outlet temperature	26,6	25,5	25,7	90
Transformer	33,9	37,4	52,0	110 (Class B)
X2 capacitor	31,5	40,9	34,6	T70
Test corner	31,6	31,9	31,8	90
Step motor	34,6	32,0	32,2	105 (Class E)

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Clause	Requirement + Test	Result - Remark	Verdict

Outdoor unit		
Compressor top enclosure	69,3	150
Compressor side enclosure	69,3	Ref.
X capacitor	52,8	T85
Relay	51,4	T70
Outdoor fan motor	67,4	105 (Class E)
Electrolytic capacitor	54,2	Ref.
IPM	65,0	Ref.
Rectifier	62,2	Ref.
Terminal block	50,2	For clause 30.1
4-way valve	55,5	110 (class B)
Internal wire to compressor	51,7	T105
PCB	52,9	T130
Power cord	51,9	75
Capacitor	53,5	T70
Enclosure	49,5	85
Transformer	54,8	110 (Class B)
Reactor	74,4	165 (Class H)
Inductance	55,8	Ref.
Test corner	53,8	90

Remark: Outdoor unit M3OD-26HFN1-Q (Welling, WZDK50-38G) eqquiped with indoor unit MS12FU-18HRFN1-QRC8GW (Welling, WZDK30-38G), MS12FU-09HRFN1-QRD0GW (Welling, WZDK20-38G) and MS12FU-09HRFN1-QRD0GW (Shibaura, WZDK20-38G) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2095	2450	68,9	120	B
Compressor winding	0,7	0,86	84,3	140	Synthetic Insulation
Reactor	0,2	0,236	71,7	165	H

supplementary information: R1 was measured at 25 °C

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Clause	Requirement + Test	Result - Remark	Verdict

11.8-47	TABLE: Heating test, thermocouples (Configuration 4)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 34 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	36,2	32,7	37,4	105 (Class E)
Relay	33,6	42,0	47,4	T70
Capacitor	35,7	31,7	44,5	T70
Terminal block	29,4	30,2	30,5	For clause 30.1
PCB	29,2	30,1	40,1	T130
Power cord	30,5	28,0	34,0	75
Air outlet temperature	40,1	45,0	45,7	90
Transformer	35,0	33,3	50,6	110 (Class B)
X2 capacitor	29,1	35,6	31,9	T70
Test corner	28,9	29,0	29,1	90
Step motor	32,3	28,7	29,5	105 (Class E)
Outdoor unit				
Compressor top enclosure	76,2			150
Compressor side enclosure	76,4			150
X capacitor	35,8			T85
Relay	33,4			T70
Outdoor fan motor	16,5			105 (Class E)
Electrolytic capacitor	39,6			Ref.
IPM	45,3			Ref.
Rectifier	47,1			Ref.
Terminal block	29,9			For clause 30.1
4-way valve	50,9			110 (class B)
Internal wire to compressor	82,9			T105
PCB	32,9			T130
Power cord	31,0			75
Capacitor	33,4			T70
Enclosure	42,0			85

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Clause	Requirement + Test	Result - Remark	Verdict

Transformer	36,2	110 (Class B)
Reactor	59,9	165 (Class H)
Inductance	41,2	Ref.
Test corner	20,8	90

Remark: Outdoor unit M3OD-26HFN1-Q (Welling, WZDK50-38G) eqquiped with indoor unit MS12FU-18HRFN1-QRC8GW (Welling, WZDK30-38G), MS12FU-09HRFN1-QRD0GW (Welling, WZDK20-38G) and MS12FU-09HRFN1-QRD0GW (Shibaura, WZDK20-38G) combinations for testing

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2095	2420	65,2	120	B
Compressor winding	0,7	0,88	91,7	140	Synthetic Insulation
Reactor	0,2	0,21	37,9	165	H

supplementary information: R1 was measured at 25 °C

11.8-48	TABLE: Heating test, thermocouples Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32°C, WB: 23°C; Outdoor unit: DB: 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	31,7	64,3	105 (Class E)
Relay	58,5	32,3	T85
Terminal block	31,0	31,7	For clause 30.1
PCB	32,7	31,4	145
Power cord	31,4	31,3	75
Air outlet temperature	27,9	27,5	90
Transformer	44,2	33,0	110 (Class B)
X2 capacitor	43,4	38,3	T70
Test corner	31,4	29,7	90

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Water pump	25,8	33,0	105 (Class E)
Outdoor unit			
Discharge pipe	59,0		Ref.
Compressor side enclosure	60,0		150
X2 capacitor	50,7		T85
Relay	56,9		T70
Outdoor fan motor	53,6		105 (Class E)
Electrolytic capacitor	54,9		Ref.
IPMb	65,9		Ref.
Rectifier	62,5		Ref.
Terminal block	49,9		For clause 30.1
4-way valve	49,6		110 (class B)
Internal wire to compressor	50,7		T105
PCB	54,3		T130
Power cord	50,7		75
Enclosure	50,2		85
Reactor	64,3		165 (Class H)
Transformer	55,2		110 (Class B)
inductance	53,6		Ref.
Test corner	51,0		90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	2021,0	2321,0	63,5	120	B
Compressor winding	1,04	1,25	77,4	140	Synthetic Insulation
Reactor	0,14	0,17	80,6	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-49	TABLE: Heating test, thermocouples Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30°C, WB: 19°C; Outdoor unit: DB: 24°C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	34,7	63,8	105 (Class E)
Relay	45,8	32,3	T85
Terminal block	31,7	31,4	For clause 30.1
PCB	32,8	31,9	145
Power cord	32,2	31,0	75
Air outlet temperature	40,2	42,1	90
Transformer	37,2	33,1	110 (Class B)
X2 capacitor	34,7	38,4	T70
Test corner	31,4	35,3	90
Water pump	34,0	35,0	105 (Class E)
Outdoor unit			
Discharge pipe	63,9		Ref.
Compressor side enclosure	67,0		150
X2 capacitor	26,7		T85
Relay	35,7		T70
Outdoor fan motor	15,5		105 (Class E)
Electrolytic capacitor	35,8		Ref.
IPMb	43,4		Ref.
Rectifier	42,7		Ref.
Terminal block	25,7		For clause 30.1
4-way valve	68,2		110 (class B)
Internal wire to compressor	24,4		T105
PCB	33,9		T130
Power cord	23,8		75
Enclosure	26,6		85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Reactor	62,1	165 (Class H)
Transformer	35,2	110 (Class B)
inductance	31,0	Ref.
Test corner	23,5	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	2021,0	2416,0	75,7	120	B
Compressor winding	1,04	1,28	84,9	140	Synthetic Insulation
Reactor	0,14	0,17	80,6	165	H

supplementary information: R1 was measured at 25 °C

11.8-50	TABLE: Heating test, thermocouples Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32°C, WB: 23°C; Outdoor unit: DB: 50°C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	35,8	64,6	105 (Class E)
Relay	46,5	32,5	T85
Terminal block	31,5	31,7	For clause 30.1
PCB	31,6	31,8	145
Power cord	31,6	31,5	75
Air outlet temperature	28,3	27,2	90
Transformer	37,7	33,4	110 (Class B)
X2 capacitor	34,3	38,6	T70
Test corner	31,5	29,5	90
Water pump	43,2	33,1	105 (Class E)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Outdoor unit		
Discharge pipe	65,8	Ref.
Compressor side enclosure	67,4	150
X2 capacitor	51,7	T85
Relay	59,7	T70
Outdoor fan motor	60,9	105 (Class E)
Electrolytic capacitor	56,9	Ref.
IPMb	68,0	Ref.
Rectifier	64,4	Ref.
Terminal block	50,3	For clause 30.1
4-way valve	53,4	110 (class B)
Internal wire to compressor	50,6	T105
PCB	56,1	T130
Power cord	51,0	75
Enclosure	50,6	85
Reactor	68,6	165 (Class H)
Transformer	56,0	110 (Class B)
inductance	55,1	Ref.
Test corner	52,1	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	2021,0	2321,0	63,5	120	B
Compressor winding	1,04	1,27	82,4	140	Synthetic Insulation
Reactor	0,14	0,17	80,6	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-51	TABLE: Heating test, thermocouples Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30°C, WB: 19°C; Outdoor unit: DB: 24°C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	35,0	63,7	105 (Class E)
Relay	47,1	32,1	T85
Terminal block	31,6	31,2	For clause 30.1
PCB	32,6	31,7	145
Power cord	32,0	30,7	75
Air outlet temperature	39,2	41,8	90
Transformer	37,6	32,9	110 (Class B)
X2 capacitor	34,8	38,2	T70
Test corner	31,1	34,9	90
Water pump	33,9	34,6	105 (Class E)
Outdoor unit			
Discharge pipe	63,5		Ref.
Compressor side enclosure	66,7		150
X2 capacitor	26,4		T85
Relay	35,5		T70
Outdoor fan motor	15,2		105 (Class E)
Electrolytic capacitor	35,8		Ref.
IPMb	43,2		Ref.
Rectifier	42,5		Ref.
Terminal block	25,6		For clause 30.1
4-way valve	68,4		110 (class B)
Internal wire to compressor	24,2		T105
PCB	33,6		T130
Power cord	23,6		75
Enclosure	26,5		85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Reactor	62,0	165 (Class H)
Transformer	35,1	110 (Class B)
inductance	30,8	Ref.
Test corner	23,3	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	2021,0	2416,0	75,7	120	B
Compressor winding	1,04	1,28	84,9	140	Synthetic Insulation
Reactor	0,14	0,17	80,6	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-52	TABLE: Heating test, thermocouples Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32°C, WB: 23°C; Outdoor unit: DB: 50°C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	64,7	61,7	105 (Class E)
Relay	32,6	32,6	T85
Terminal block	31,7	31,7	For clause 30.1
PCB	31,7	31,6	145
Power cord	31,6	31,4	75
Air outlet temperature	27,5	26,6	90
Transformer	33,6	33,6	110 (Class B)
X2 capacitor	38,8	39,3	T70
Test corner	29,6	29,4	90
Water pump	33,2	32,0	105 (Class E)
Outdoor unit			
Discharge pipe	65,9		Ref.
Compressor side enclosure	67,4		150
X2 capacitor	51,7		T85
Relay	59,8		T70
Outdoor fan motor	60,9		105 (Class E)
Electrolytic capacitor	57,2		Ref.
IPMb	68,1		Ref.
Rectifier	64,6		Ref.
Terminal block	50,5		For clause 30.1
4-way valve	53,5		110 (class B)
Internal wire to compressor	50,6		T105
PCB	56,2		T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	51,0	75
Enclosure	50,8	85
Reactor	68,8	165 (Class H)
Transformer	56,1	110 (Class B)
inductance	55,2	Ref.
Test corner	52,1	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	2021,0	2321,0	63,5	120	B
Compressor winding	1,04	1,27	82,4	140	Synthetic Insulation
Reactor	0,14	0,17	80,6	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-53	TABLE: Heating test, thermocouples Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30°C, WB: 19°C; Outdoor unit: DB: 24°C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	35,1	63,9	105 (Class E)
Relay	47,6	32,3	T85
Terminal block	31,8	31,5	For clause 30.1
PCB	32,5	32,0	145
Power cord	32,3	31,0	75
Air outlet temperature	39,6	42,0	90
Transformer	37,6	33,1	110 (Class B)
X2 capacitor	35,0	38,5	T70
Test corner	31,2	35,3	90
Water pump	34,0	35,0	105 (Class E)
Outdoor unit			
Discharge pipe	63,9		Ref.
Compressor side enclosure	67,0		150
X2 capacitor	26,6		T85
Relay	35,5		T70
Outdoor fan motor	15,2		105 (Class E)
Electrolytic capacitor	35,7		Ref.
IPMb	43,4		Ref.
Rectifier	42,5		Ref.
Terminal block	25,6		For clause 30.1
4-way valve	68,3		110 (class B)
Internal wire to compressor	24,3		T105
PCB	33,7		T130
Power cord	23,9		75
Enclosure	26,6		85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Reactor	62,1	165 (Class H)
Transformer	35,1	110 (Class B)
inductance	30,9	Ref.
Test corner	23,4	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	2021,0	2416,0	75,7	120	B
Compressor winding	1,04	1,28	84,9	140	Synthetic Insulation
Reactor	0,14	0,17	80,6	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-54	TABLE: Heating test, thermocouples Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32°C, WB: 23°C; Outdoor unit: DB: 50°C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	64,1	61,3	105 (Class E)
Relay	31,5	31,6	T85
Terminal block	31,3	31,2	For clause 30.1
PCB	31,2	31,0	145
Power cord	30,7	30,7	75
Air outlet temperature	25,3	24,7	90
Transformer	33,2	33,1	110 (Class B)
X2 capacitor	37,0	37,5	T70
Test corner	27,7	27,8	90
Water pump	30,8	30,9	105 (Class E)
Outdoor unit			
Discharge pipe	64,5		Ref.
Compressor side enclosure	65,6		150
X2 capacitor	53,1		T85
Relay	52,5		T70
Outdoor fan motor	32,6		105 (Class E)
Electrolytic capacitor	54,6		Ref.
IPMb	66,1		Ref.
Rectifier	65,8		Ref.
Terminal block	49,7		For clause 30.1
4-way valve	54,5		110 (class B)
Internal wire to compressor	63,4		T105
PCB	57,1		T130
Power cord	50,8		75
Enclosure	48,0		85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Reactor	66,6	165 (Class H)
Transformer	56,8	110 (Class B)
inductance	54,0	Ref.
Test corner	53,3	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	1752,0	1978,0	58,5	120	B
Compressor winding	1,84	2,27	85,6	140	Synthetic Insulation
Reactor	0,13	0,16	84,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-55	TABLE: Heating test, thermocouples Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 30°C, WB: 19°C; Outdoor unit: DB: 24°C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	35,9	65,4	105 (Class E)
Relay	45,6	33,3	T85
Terminal block	32,4	32,5	For clause 30.1
PCB	32,6	32,5	145
Power cord	32,6	31,7	75
Air outlet temperature	38,3	42,9	90
Transformer	35,2	35,2	110 (Class B)
X2 capacitor	34,3	40,6	T70
Test corner	31,8	36,8	90
Water pump	33,8	31,9	105 (Class E)
Outdoor unit			
Discharge pipe	54,7		Ref.
Compressor side enclosure	56,2		150
X2 capacitor	29,1		T85
Relay	35,4		T70
Outdoor fan motor	15,6		105 (Class E)
Electrolytic capacitor	35,4		Ref.
IPMb	39,5		Ref.
Rectifier	37,9		Ref.
Terminal block	26,4		For clause 30.1
4-way valve	39,6		110 (class B)
Internal wire to compressor	52,9		T105
PCB	35,2		T130
Power cord	28,0		75
Enclosure	26,1		85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Reactor	60,0	165 (Class H)
Transformer	38,1	110 (Class B)
Inductance	31,1	Ref.
Test corner	20,9	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	1752,0	1925,0	50,6	120	B
Compressor winding	1,84	2,21	77,2	140	Synthetic Insulation
Reactor	0,13	0,16	84,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-56	TABLE: Heating test, thermocouples Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32°C, WB: 23°C; Outdoor unit: DB: 50°C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	64,0	61,3	105 (Class E)
Relay	31,5	31,6	T85
Terminal block	31,1	31,2	For clause 30.1
PCB	31,2	31,0	145
Power cord	30,7	30,7	75
Air outlet temperature	25,5	24,7	90
Transformer	33,0	33,1	110 (Class B)
X2 capacitor	37,0	37,5	T70
Test corner	27,9	27,8	90
Water pump	30,8	30,9	105 (Class E)
Outdoor unit			
Discharge pipe	64,4		Ref.
Compressor side enclosure	65,8		150
X2 capacitor	53,0		T85
Relay	52,5		T70
Outdoor fan motor	42,1		105 (Class E)
Electrolytic capacitor	53,6		Ref.
IPMb	66,0		Ref.
Rectifier	65,9		Ref.
Terminal block	49,9		For clause 30.1
4-way valve	54,4		110 (class B)
Internal wire to compressor	63,4		T105
PCB	56,6		T130
Power cord	50,9		75
Enclosure	48,2		85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Reactor	58,2	165 (Class H)
Transformer	56,7	110 (Class B)
Inductance	54,3	Ref.
Test corner	53,6	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	1752,0	1978,0	58,5	120	B
Compressor winding	1,84	2,27	85,6	140	Synthetic Insulation
Reactor	0,13	0,16	84,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-57	TABLE: Heating test, thermocouples Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30°C, WB: 19°C; Outdoor unit: DB: 24°C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	35,9	65,4	105 (Class E)
Relay	45,9	33,3	T85
Terminal block	32,4	32,4	For clause 30.1
PCB	33,1	32,5	145
Power cord	32,5	31,6	75
Air outlet temperature	38,1	42,9	90
Transformer	35,2	35,0	110 (Class B)
X2 capacitor	34,2	40,2	T70
Test corner	31,8	36,7	90
Water pump	33,8	31,8	105 (Class E)
Outdoor unit			
Discharge pipe	54,5		Ref.
Compressor side enclosure	56,1		150
X2 capacitor	29,1		T85
Relay	35,1		T70
Outdoor fan motor	15,6		105 (Class E)
Electrolytic capacitor	35,4		Ref.
IPMb	39,4		Ref.
Rectifier	37,8		Ref.
Terminal block	26,3		For clause 30.1
4-way valve	39,9		110 (class B)
Internal wire to compressor	52,7		T105
PCB	35,1		T130
Power cord	27,8		75
Enclosure	25,9		85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Reactor	60,0	165 (Class H)
Transformer	37,9	110 (Class B)
Inductance	31,1	Ref.
Test corner	20,8	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	1752,0	1925,0	50,6	120	B
Compressor winding	1,84	2,21	77,2	140	Synthetic Insulation
Reactor	0,13	0,16	84,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-58	TABLE: Heating test, thermocouples Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32°C, WB: 23°C; Outdoor unit: DB: 50°C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	64,1	60,9	105 (Class E)
Relay	31,6	31,5	T85
Terminal block	31,2	31,2	For clause 30.1
PCB	31,2	30,9	145
Power cord	30,7	30,8	75
Air outlet temperature	25,6	24,7	90
Transformer	33,0	33,1	110 (Class B)
X2 capacitor	37,1	37,4	T70
Test corner	27,8	27,8	90
Water pump	30,8	30,8	105 (Class E)
Outdoor unit			
Discharge pipe	64,1		Ref.
Compressor side enclosure	65,7		150
X2 capacitor	53,0		T85
Relay	52,5		T70
Outdoor fan motor	42,9		105 (Class E)
Electrolytic capacitor	53,5		Ref.
IPMb	65,8		Ref.
Rectifier	65,7		Ref.
Terminal block	49,7		For clause 30.1
4-way valve	54,4		110 (class B)
Internal wire to compressor	63,2		T105
PCB	56,7		T130
Power cord	50,8		75
Enclosure	48,0		85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Reactor	58,4	165 (Class H)
Transformer	56,8	110 (Class B)
Inductance	54,2	Ref.
Test corner	53,4	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	1752,0	1978,0	58,5	120	B
Compressor winding	1,84	2,27	85,6	140	Synthetic Insulation
Reactor	0,13	0,16	84,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-59	TABLE: Heating test, thermocouples Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30°C, WB: 19°C; Outdoor unit: DB: 24°C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1	2	
Indoor unit x 2			
Indoor fan motor	35,9	65,4	105 (Class E)
Relay	45,5	33,2	T85
Terminal block	32,3	32,3	For clause 30.1
PCB	32,8	32,5	145
Power cord	32,4	31,6	75
Air outlet temperature	38,0	42,9	90
Transformer	35,0	35,1	110 (Class B)
X2 capacitor	34,1	40,3	T70
Test corner	31,2	36,6	90
Water pump	33,8	31,9	105 (Class E)
Outdoor unit			
Discharge pipe	54,8		Ref.
Compressor side enclosure	56,2		150
X2 capacitor	29,1		T85
Relay	35,3		T70
Outdoor fan motor	15,6		105 (Class E)
Electrolytic capacitor	35,4		Ref.
IPMb	39,4		Ref.
Rectifier	37,7		Ref.
Terminal block	26,3		For clause 30.1
4-way valve	40,0		110 (class B)
Internal wire to compressor	52,7		T105
PCB	35,0		T130
Power cord	27,8		75
Enclosure	26,1		85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Reactor	59,8	165 (Class H)
Transformer	37,9	110 (Class B)
Inductance	31,0	Ref.
Test corner	20,9	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve	1752,0	1925,0	50,6	120	B
Compressor winding	1,84	2,21	77,2	140	Synthetic Insulation
Reactor	0,13	0,16	84,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-60	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	33,9	37,4	39,0	105 (Class E)
Relay	44,5	41,8	44,5	T70
Terminal block	32,8	33,0	32,9	For clause 30.1
PCB	33,8	32,7	32,8	T130
Power cord	40,6	38,0	41,4	75
Air outlet temperature	26,9	25,8	26,3	90
Transformer	43,7	43,7	44,1	110 (Class B)
X2 capacitor	44,5	44,5	36,0	T85
Varistor	43,5	43,5	46,0	T85
Step motor	32,0	32,0	32,2	105 (Class E)
Test corner	32,1	32,1	32,1	90
Outdoor unit				
Discharge pipe	66,3			Ref.
Compressor side enclosure	65,0			Ref.
X2 capacitor	49,9			T85
Relay	48,9			T70
Outdoor fan motor	84,2			105 (Class E)
Electrolytic capacitor	50,4			Ref.
IPM	71,5			Ref.
Rectifier	59,7			Ref.
Terminal block	49,7			For clause 30.1
4-way valve	47,2			110 (class B)
Internal wire to compressor	45,5			T105
PCB	51,8			T130
Power cord	52,5			75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	48,9	85
Transformer	41,7	110 (Class B)
Varistor	48,0	T85
Test corner	50,9	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,55	76,3	140	Synthetic Insulation
4-way valve winding	2087,0	2346,0	57,2	120	B

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-61	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	39,9	34,1	37,1	105 (Class E)
Relay	42,4	39,1	39,9	T70
Terminal block	30,6	29,3	28,4	For clause 30.1
PCB	31,2	28,1	28,1	T130
Power cord	38,6	35,1	37,1	75
Air outlet temperature	46,1	45,7	44,4	90
Transformer	44,4	41,7	40,6	110 (Class B)
X2 capacitor	34,7	41,9	31,5	T85
Varistor	42,6	39,8	42,0	T85
Step motor	41,7	29,0	27,4	105 (Class E)
Test corner	28,4	26,9	27,2	90
Outdoor unit				
Discharge pipe	62,0			Ref.
Compressor side enclosure	60,5			Ref.
X2 capacitor	34,0			T85
Relay	36,7			T70
Outdoor fan motor	18,9			105 (Class E)
Electrolytic capacitor	36,1			Ref.
IPM	51,4			Ref.
Rectifier	45,0			Ref.
Terminal block	31,4			For clause 30.1
4-way valve	75,5			110 (class B)
Internal wire to compressor	12,9			T105
PCB	33,3			T130
Power cord	19,5			75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	29,0	85
Varistor	33,1	T85
Test corner	27,5	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,49	72,0	140	Synthetic Insulation
4-way valve winding	2087,0	2573,6	85,5	120	B

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-62	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	40,0	37,7	39,0	105 (Class E)
Relay	44,3	40,7	44,1	T70
Terminal block	32,7	32,7	32,7	For clause 30.1
PCB	33,7	37,9	32,8	T130
Power cord	40,5	25,7	41,3	75
Air outlet temperature	26,9	43,7	26,2	90
Transformer	46,2	43,7	43,9	110 (Class B)
X2 capacitor	37,0	44,3	36,0	T85
Varistor	44,7	43,4	46,0	T85
Step motor	42,9	31,9	32,2	105 (Class E)
Test corner	31,8	32,0	32,0	90
Outdoor unit				
Discharge pipe	66,3			Ref.
Compressor side enclosure	64,7			Ref.
X2 capacitor	50,0			T85
Relay	48,9			T70
Outdoor fan motor	86,3			105 (Class E)
Electrolytic capacitor	50,5			Ref.
IPM	72,0			Ref.
Rectifier	60,3			Ref.
Terminal block	49,7			For clause 30.1
4-way valve	47,1			110 (class B)
Internal wire to compressor	46,5			T105
PCB	51,6			T130
Power cord	53,3			75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	48,9	85
Transformer	42,9	110 (Class B)
Varistor	47,9	T85
Test corner	50,7	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,55	76,3	140	Synthetic Insulation
4-way valve winding	2087,0	2345,2	57,1	120	B

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-63	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	40,0	34,1	36,9	105 (Class E)
Relay	42,6	39,2	40,0	T70
Terminal block	30,7	29,4	28,4	For clause 30.1
PCB	31,2	28,2	28,1	T130
Power cord	38,7	35,2	37,1	75
Air outlet temperature	46,1	45,8	44,4	90
Transformer	44,5	41,9	40,7	110 (Class B)
X2 capacitor	34,8	42,0	31,5	T85
Varistor	42,6	40,0	42,1	T85
Step motor	41,9	29,0	27,4	105 (Class E)
Test corner	28,4	27,3	27,2	90
Outdoor unit				
Discharge pipe	61,9			Ref.
Compressor side enclosure	60,6			Ref.
X2 capacitor	34,0			T85
Relay	36,7			T70
Outdoor fan motor	19,0			105 (Class E)
Electrolytic capacitor	36,1			Ref.
IPM	51,3			Ref.
Rectifier	44,8			Ref.
Terminal block	31,4			For clause 30.1
4-way valve	75,2			110 (class B)
Internal wire to compressor	13,3			T105
PCB	33,2			T130
Power cord	19,8			75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	29,1	85
Varistor	33,1	T85
Test corner	27,6	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,49	71,9	140	Synthetic Insulation
4-way valve winding	2087,0	2571,2	85,2	120	B

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-64	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	39,8	37,4	38,9	105 (Class E)
Relay	44,2	41,7	44,2	T70
Terminal block	32,5	32,8	32,7	For clause 30.1
PCB	33,5	32,6	32,6	T130
Power cord	40,4	37,9	41,1	75
Air outlet temperature	26,4	25,6	26,0	90
Transformer	46,0	43,5	43,7	110 (Class B)
X2 capacitor	36,7	44,2	35,8	T85
Varistor	44,5	43,3	45,8	T85
Step motor	42,7	31,9	32,1	105 (Class E)
Test corner	31,7	32,1	31,9	90
Outdoor unit				
Discharge pipe	66,1			Ref.
Compressor side enclosure	64,4			Ref.
X2 capacitor	49,8			T85
Relay	48,7			T70
Outdoor fan motor	85,6			105 (Class E)
Electrolytic capacitor	50,3			Ref.
IPM	70,7			Ref.
Rectifier	59,5			Ref.
Terminal block	49,4			For clause 30.1
4-way valve	46,6			110 (class B)
Internal wire to compressor	46,2			T105
PCB	51,4			T130
Power cord	53,1			75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	48,7	85
Transformer	42,7	110 (Class B)
Varistor	47,7	T85
Test corner	50,6	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,55	76,3	140	Synthetic Insulation
4-way valve winding	2087,0	2341,9	56,7	120	B

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-65	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	40,1	34,2	37,1	105 (Class E)
Relay	42,6	39,3	40,1	T70
Terminal block	30,9	29,4	28,5	For clause 30.1
PCB	31,4	28,3	28,3	T130
Power cord	38,8	35,3	37,3	75
Air outlet temperature	46,3	45,9	44,5	90
Transformer	44,5	41,9	40,8	110 (Class B)
X2 capacitor	34,6	42,1	31,6	T85
Varistor	42,6	40,0	42,2	T85
Step motor	42,1	29,2	27,5	105 (Class E)
Test corner	18,5	27,0	27,3	90
Outdoor unit				
Discharge pipe	62,3			Ref.
Compressor side enclosure	60,9			Ref.
X2 capacitor	34,4			T85
Relay	37,1			T70
Outdoor fan motor	18,3			105 (Class E)
Electrolytic capacitor	36,5			Ref.
IPM	51,6			Ref.
Rectifier	45,3			Ref.
Terminal block	31,8			For clause 30.1
4-way valve	75,7			110 (class B)
Internal wire to compressor	13,1			T105
PCB	33,4			T130
Power cord	19,6			75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	29,2	85
Varistor	33,2	T85
Test corner	27,6	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,49	72,3	140	Synthetic Insulation
4-way valve winding	2087,0	2575,2	85,7	120	B

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-66	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	33,7	67,1	60,7	38,7	37,2	105 (Class E)
Relay	41,5	43,4	40,7	40,1	44,1	T70
Terminal block	32,1	33,4	32,4	32,3	32,7	For clause 30.1
PCB	31,5	31,7	32,1	36,3	34,7	T130
Power cord	31,7	38,8	31,4	36,7	40,7	75
Air outlet temperature	28,3	29,0	28,5	28,6	28,6	90
Transformer	38,8	38,4	41,6	40,3	44,8	110 (Class B)
X2 capacitor	37,2	41,5	44,7	34,4	42,4	T85
Varistor	41,0	41,3	39,2	36,5	40,4	T85
Step motor	31,7	31,7	31,6	38,1	40,2	105 (Class E)
Test corner	31,5	31,5	31,7	31,7	31,8	90
Outdoor unit						
Discharge	63,0					Ref.
Compressor side enclosure	63,4					150
X2 capacitor	50,7					T85
Relay	49,8					T70
Outdoor fan motor	81,3					105 (Class E)
Electrolytic capacitor	51,1					Ref.
IPM	70,9					Ref.
Rectifier	59,4					Ref.
Terminal block	49,8					For clause 30.1
4-way valve	47,8					110 (class B)
Internal wire to compressor	54,3					T105
PCB	51,8					T130
Power cord	50,3					75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	48,9	85
Reactor	54,2	165 (Class H)
Transformer	58,1	110 (Class B)
Varistor	49,8	T85
Test corner	50,9	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,51	73,4	140	Synthetic Insulation
4-way valve winding	2087,0	2350,8	57,8	120	B
Reactor	3,5	4,03	64,2	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-67	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	30,9	64,0	58,4	36,3	34,2	105 (Class E)
Relay	40,8	43,3	38,5	36,4	41,2	T70
Terminal block	29,4	31,9	32,4	28,2	28,6	For clause 30.1
PCB	29,0	39,4	27,0	32,1	30,6	T130
Power cord	28,5	37,3	31,1	32,8	37,5	75
Air outlet temperature	41,5	42,8	42,0	41,6	42,1	90
Transformer	37,6	38,2	41,0	36,4	42,3	110 (Class B)
X2 capacitor	34,5	41,0	43,8	30,1	38,8	T85
Varistor	38,8	41,5	38,0	32,4	36,7	T85
Step motor	28,7	30,3	32,1	35,3	36,4	105 (Class E)
Test corner	29,0	39,9	28,4	26,9	27,2	90
Outdoor unit						
Discharge	61,0					Ref.
Compressor side enclosure	29,9					150
X2 capacitor	29,4					T85
Relay	30,6					T70
Outdoor fan motor	16,5					105 (Class E)
Electrolytic capacitor	31,7					Ref.
IPM	47,7					Ref.
Rectifier	41,6					Ref.
Terminal block	24,7					For clause 30.1
4-way valve	71,3					110 (class B)
Internal wire to compressor	31,2					T105
PCB	27,8					T130
Power cord	27,0					75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	23,3	85
Reactor	31,8	165 (Class H)
Transformer	37,6	110 (Class B)
Varistor	29,2	T85
Test corner	23,0	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,47	71,0	140	Synthetic Insulation
4-way valve winding	2087,0	2539,8	81,3	120	B
Reactor	3,5	3,73	41,8	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-68	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	33,8	67,3	60,9	38,7	37,2	105 (Class E)
Relay	41,5	43,4	40,8	40,2	44,1	T70
Terminal block	32,2	33,4	32,4	32,3	32,7	For clause 30.1
PCB	31,6	31,8	32,1	36,3	34,6	T130
Power cord	31,8	38,8	31,5	36,8	40,7	75
Air outlet temperature	28,4	29,1	28,5	28,7	28,5	90
Transformer	38,9	38,5	41,7	40,3	44,8	110 (Class B)
X2 capacitor	37,2	41,7	44,8	34,4	42,3	T85
Varistor	41,0	41,4	39,2	36,5	40,4	T85
Step motor	31,6	31,7	31,6	38,1	40,1	105 (Class E)
Test corner	31,6	31,6	31,9	31,8	31,7	90
Outdoor unit						
Discharge	63,0					Ref.
Compressor side enclosure	63,4					150
X2 capacitor	50,7					T85
Relay	49,7					T70
Outdoor fan motor	81,0					105 (Class E)
Electrolytic capacitor	51,1					Ref.
IPM	71,2					Ref.
Rectifier	60,7					Ref.
Terminal block	49,7					For clause 30.1
4-way valve	47,7					110 (class B)
Internal wire to compressor	54,3					T105
PCB	51,8					T130
Power cord	50,3					75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	49,0	85
Reactor	54,2	165 (Class H)
Transformer	58,0	110 (Class B)
Varistor	49,7	T85
Test corner	50,9	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,51	73,4	140	Synthetic Insulation
4-way valve winding	2087,0	2350,8	57,8	120	B
Reactor	3,5	4,03	64,2	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-69	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	31,2	65,6	58,3	36,3	34,2	105 (Class E)
Relay	41,2	44,1	38,4	36,5	41,3	T70
Terminal block	29,8	32,0	32,4	28,3	28,7	For clause 30.1
PCB	29,2	29,3	26,8	32,2	30,7	T130
Power cord	28,8	37,6	31,0	32,9	37,6	75
Air outlet temperature	41,8	43,0	42,1	41,7	41,6	90
Transformer	37,9	38,7	41,0	35,9	42,3	110 (Class B)
X2 capacitor	34,9	41,1	43,8	30,2	38,9	T85
Varistor	39,2	42,1	38,0	32,5	36,8	T85
Step motor	28,9	30,4	32,1	35,3	36,3	105 (Class E)
Test corner	29,1	30,0	27,9	26,6	27,2	90
Outdoor unit						
Discharge	61,2					Ref.
Compressor side enclosure	59,9					150
X2 capacitor	29,6					T85
Relay	30,6					T70
Outdoor fan motor	16,9					105 (Class E)
Electrolytic capacitor	31,8					Ref.
IPM	47,3					Ref.
Rectifier	41,3					Ref.
Terminal block	24,8					For clause 30.1
4-way valve	71,5					110 (class B)
Internal wire to compressor	31,3					T105
PCB	27,9					T130
Power cord	27,1					75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	23,5	85
Reactor	31,9	165 (Class H)
Transformer	37,7	110 (Class B)
Varistor	29,3	T85
Test corner	23,1	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,48	71,2	140	Synthetic Insulation
4-way valve winding	2087,0	2541,4	81,5	120	B
Reactor	3,5	3,73	41,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-70	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	33,8	67,2	60,6	38,7	37,2	105 (Class E)
Relay	41,5	43,4	40,7	40,1	44,1	T70
Terminal block	32,2	33,4	32,5	32,3	32,7	For clause 30.1
PCB	31,6	31,7	32,1	36,3	34,6	T130
Power cord	31,8	38,8	31,4	36,7	40,7	75
Air outlet temperature	28,3	29,0	28,5	28,7	28,5	90
Transformer	38,9	38,5	41,7	40,2	44,8	110 (Class B)
X2 capacitor	37,2	41,7	44,8	34,4	42,3	T85
Varistor	41,0	41,4	39,2	36,5	40,3	T85
Step motor	31,7	31,8	31,6	38,1	40,1	105 (Class E)
Test corner	31,5	31,6	31,9	31,7	31,7	90
Outdoor unit						
Discharge	63,0					Ref.
Compressor side enclosure	63,4					150
X2 capacitor	50,7					T85
Relay	49,8					T70
Outdoor fan motor	81,6					105 (Class E)
Electrolytic capacitor	51,1					Ref.
IPM	72,2					Ref.
Rectifier	59,6					Ref.
Terminal block	49,8					For clause 30.1
4-way valve	47,7					110 (class B)
Internal wire to compressor	54,3					T105
PCB	51,7					T130
Power cord	50,3					75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	48,9	85
Reactor	54,2	165 (Class H)
Transformer	58,0	110 (Class B)
Varistor	49,8	T85
Test corner	50,8	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,51	73,4	140	Synthetic Insulation
4-way valve winding	2087,0	2350,0	57,7	120	B
Reactor	3,5	4,03	64,2	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-71	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	31,0	65,7	58,3	36,2	34,1	105 (Class E)
Relay	40,8	44,0	38,3	36,3	41,2	T70
Terminal block	29,5	32,0	32,4	28,0	28,6	For clause 30.1
PCB	29,0	29,3	26,9	32,0	30,6	T130
Power cord	28,6	37,5	30,9	32,7	37,4	75
Air outlet temperature	41,6	43,0	42,1	41,6	42,1	90
Transformer	37,6	38,7	41,0	38,2	42,2	110 (Class B)
X2 capacitor	34,5	41,0	43,9	29,9	38,8	T85
Varistor	38,8	42,0	38,0	32,4	36,7	T85
Step motor	28,8	30,5	32,2	35,2	36,4	105 (Class E)
Test corner	29,0	30,0	27,9	26,6	27,2	90
Outdoor unit						
Discharge	61,0					Ref.
Compressor side enclosure	60,0					150
X2 capacitor	29,3					T85
Relay	30,7					T70
Outdoor fan motor	16,5					105 (Class E)
Electrolytic capacitor	31,7					Ref.
IPM	47,7					Ref.
Rectifier	40,5					Ref.
Terminal block	24,6					For clause 30.1
4-way valve	71,3					110 (class B)
Internal wire to compressor	31,3					T105
PCB	27,7					T130
Power cord	27,0					75

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Enclosure	23,4	85
Reactor	31,9	165 (Class H)
Transformer	37,7	110 (Class B)
Varistor	29,3	T85
Test corner	23,1	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	3,8	4,47	71,0	140	Synthetic Insulation
4-way valve winding	2087,0	2539,8	81,3	120	B
Reactor	3,5	3,73	41,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-72	TABLE: Heating test, thermocouples Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,2	34,1	33,3	105 (Class E)
Relay	38,7	38,6	32,8	T70
Terminal block	32,1	31,7	32,5	For clause 30.1
PCB	36,5	31,9	32,7	T130
Power cord	31,9	32,2	32,7	75
Air outlet temperature	27,0	27,9	33,1	90
Transformer	43,2	35,3	32,2	110 (Class B)
Test corner	31,5	31,7	31,9	90
Outdoor unit				
Discharge pipe	69,8			150
Compressor side enclosure	68,8			Ref.
X2 capacitor	55,7			T85
Relay	52,3			T70
Outdoor fan motor	75,2			105 (Class E)
Electrolytic capacitor	54,6			Ref.
IPM	68,6			Ref.
Rectifier	50,3			Ref.
Terminal block	62,8			For clause 30.1
4-way valve	50,1			110 (class B)
Internal wire to compressor	59,1			T105
PCB	56,4			T130
Power cord	50,9			75
Enclosure	50,9			85
Reactor	54,9			165 (Class H)
Transformer	58,6			110 (Class B)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Inductance	62,6	Ref.
Test corner	53,1	90
Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.		

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2071,0	2439,0	71,1	120	B
Compressor winding	1,1	1,36	86,3	140	Synthetic Insulation
Reactor	0,2	0,237	73,0	165	H
supplementary information: R1 was measured at 25 °C					

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-73	TABLE: Heating test, thermocouples Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18 °C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,2	33,8	32,5	105 (Class E)
Relay	38,5	38,7	37,1	T70
Terminal block	32,0	34,8	35,4	For clause 30.1
PCB	35,6	35,1	35,5	T130
Power cord	31,8	35,0	36,2	75
Air outlet temperature	44,7	38,7	48,7	90
Transformer	42,7	38,0	36,8	110 (Class B)
Test corner	31,9	32,8	31,9	90
Outdoor unit				
Discharge pipe	76,8			150
Compressor side enclosure	75,0			Ref.
X2 capacitor	36,8			T85
Relay	32,0			T70
Outdoor fan motor	22,3			105 (Class E)
Electrolytic capacitor	36,6			Ref.
IPM	49,5			Ref.
Rectifier	28,5			Ref.
Terminal block	44,0			For clause 30.1
4-way valve	51,3			110 (class B)
Internal wire to compressor	59,0			T105
PCB	34,0			T130
Power cord	30,4			75
Enclosure	26,8			85
Reactor	21,8			165 (Class H)
Transformer	35,8			110 (Class B)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Inductance	53,8	Ref.
Test corner	19,5	90
Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.		

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2071,0	2425,0	69,4	120	B
Compressor winding	1,1	1,36	86,3	140	Synthetic Insulation
Reactor	0,2	0,221	52,2	165	H
supplementary information: R1 was measured at 25 °C					

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-74	TABLE: Heating test, thermocouples Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,3	34,1	33,2	105 (Class E)
Relay	38,7	38,5	32,8	T70
Terminal block	32,1	31,6	32,4	For clause 30.1
PCB	36,5	31,9	32,6	T130
Power cord	31,9	32,2	32,6	75
Air outlet temperature	27,0	27,9	33,0	90
Transformer	43,3	35,3	32,1	110 (Class B)
Test corner	31,5	31,6	31,8	90
Outdoor unit				
Discharge pipe	69,6			150
Compressor side enclosure	68,9			Ref.
X2 capacitor	55,7			T85
Relay	52,3			T70
Outdoor fan motor	75,2			105 (Class E)
Electrolytic capacitor	54,6			Ref.
IPM	68,7			Ref.
Rectifier	50,2			Ref.
Terminal block	63,3			For clause 30.1
4-way valve	50,1			110 (class B)
Internal wire to compressor	58,8			T105
PCB	56,4			T130
Power cord	51,0			75
Enclosure	50,9			85
Reactor	55,0			165 (Class H)
Transformer	58,6			110 (Class B)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Inductance	63,2	Ref.
Test corner	51,7	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2071,0	2432,0	70,2	120	B
Compressor winding	1,1	1,35	84,0	140	Synthetic Insulation
Reactor	0,2	0,236	71,7	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-75	TABLE: Heating test, thermocouples Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18 °C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,3	33,8	32,6	105 (Class E)
Relay	38,5	38,7	37,1	T70
Terminal block	32,0	34,8	35,4	For clause 30.1
PCB	35,6	35,1	35,5	T130
Power cord	31,8	35,0	36,1	75
Air outlet temperature	44,7	39,0	48,7	90
Transformer	42,7	38,1	36,8	110 (Class B)
Test corner	32,0	32,9	31,9	90
Outdoor unit				
Discharge pipe	76,7			150
Compressor side enclosure	75,0			Ref.
X2 capacitor	36,8			T85
Relay	32,0			T70
Outdoor fan motor	22,2			105 (Class E)
Electrolytic capacitor	36,7			Ref.
IPM	49,7			Ref.
Rectifier	28,4			Ref.
Terminal block	44,0			For clause 30.1
4-way valve	51,4			110 (class B)
Internal wire to compressor	58,7			T105
PCB	34,1			T130
Power cord	30,4			75
Enclosure	26,9			85
Reactor	21,7			165 (Class H)
Transformer	35,8			110 (Class B)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Inductance	53,8	Ref.
Test corner	19,6	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2071,0	2421,0	68,9	120	B
Compressor winding	1,1	1,37	88,7	140	Synthetic Insulation
Reactor	0,2	0,223	54,8	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-76	TABLE: Heating test, thermocouples Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,2	34,1	33,3	105 (Class E)
Relay	38,7	38,5	32,8	T70
Terminal block	32,1	31,6	32,4	For clause 30.1
PCB	36,5	31,9	32,6	T130
Power cord	31,9	32,2	32,6	75
Air outlet temperature	27,1	27,9	33,1	90
Transformer	43,2	35,2	32,1	110 (Class B)
Test corner	31,6	31,6	31,8	90
Outdoor unit				
Discharge pipe	70,2			150
Compressor side enclosure	69,2			Ref.
X2 capacitor	55,8			T85
Relay	52,5			T70
Outdoor fan motor	75,3			105 (Class E)
Electrolytic capacitor	54,7			Ref.
IPM	69,0			Ref.
Rectifier	50,6			Ref.
Terminal block	62,8			For clause 30.1
4-way valve	50,0			110 (class B)
Internal wire to compressor	59,3			T105
PCB	56,6			T130
Power cord	51,2			75
Enclosure	51,1			85
Reactor	55,1			165 (Class H)
Transformer	58,8			110 (Class B)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Inductance	62,8	Ref.
Test corner	53,0	90
Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.		

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2071,0	2430,0	70,0	120	B
Compressor winding	1,1	1,35	84,0	140	Synthetic Insulation
Reactor	0,2	0,235	70,4	165	H
supplementary information: R1 was measured at 25 °C					

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-77	TABLE: Heating test, thermocouples Outdoor unit M5OC-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18 °C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1	2	3	
Indoor unit x 3				
Indoor fan motor	35,3	33,8	32,5	105 (Class E)
Relay	38,5	38,7	37,1	T70
Terminal block	32,0	34,8	35,5	For clause 30.1
PCB	35,6	35,1	35,5	T130
Power cord	31,8	35,0	36,2	75
Air outlet temperature	44,7	38,9	48,6	90
Transformer	42,7	38,1	36,8	110 (Class B)
Test corner	32,0	32,7	31,9	90
Outdoor unit				
Discharge pipe	76,8			150
Compressor side enclosure	75,1			Ref.
X2 capacitor	36,8			T85
Relay	32,0			T70
Outdoor fan motor	22,2			105 (Class E)
Electrolytic capacitor	36,7			Ref.
IPM	49,6			Ref.
Rectifier	28,4			Ref.
Terminal block	44,1			For clause 30.1
4-way valve	51,6			110 (class B)
Internal wire to compressor	58,9			T105
PCB	34,0			T130
Power cord	30,3			75
Enclosure	26,8			85
Reactor	21,6			165 (Class H)
Transformer	35,8			110 (Class B)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Inductance	53,8	Ref.
Test corner	19,6	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
4-way valve winding	2071,0	2416,0	68,2	120	B
Compressor winding	1,1	1,37	88,7	140	Synthetic Insulation
Reactor	0,2	0,225	57,4	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-78	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	43,2	36,5	36,1	34,0	34,7	150
Relay	35,2	31,9	--	44,4	40,1	T70
Terminal block	32,7	32,2	32,2	32,9	32,2	For clause 30.1
PCB	32,7	32,2	32,0	32,6	32,9	T130
Power cord	33,1	38,1	31,9	39,8	33,0	75
Air outlet temperature	27,8	27,8	33,8	27,7	29,0	90
Transformer	42,9	36,0	28,6	41,7	35,9	110 (Class B)
X2 capacitor	39,3	37,2	33,1	37,8	37,9	T85
Varistor	50,9	34,8	33,1	43,5	37,5	T85
Step motor	31,7	32,1	--	32,2	32,2	105 (Class E)
Test corner	32,2	31,8	30,9	32,5	32,1	90
Water pump	--	--	30,8	--	--	110 (Class B)
Outdoor unit						
Discharge	57,8					Ref.
Compressor side enclosure	67,3					150
X2 capacitor	50,5					T85
Relay	51,8					T70
Outdoor fan motor	60,2					150
Electrolytic capacitor	51,4					Ref.
IPM	61,2					Ref.
Rectifier	61,0					Ref.
Terminal block	49,7					For clause 30.1
4-way valve	46,8					110 (class B)
Internal wire to compressor	59,4					T105
PCB	52,2					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	59,1	75
Enclosure	50,5	85
Reactor	48,9	165 (Class H)
Transformer	53,6	110 (Class B)
Varistor	50,9	T85
Test corner	54,3	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,815	79,5	140	Synthetic Insulation
4-way valve winding	1979,0	2238,0	59,0	120	B
Reactor	0,3	0,343	62,2	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-79	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	42,7	36,7	36,8	32,4	33,6	150
Relay	35,1	31,8	--	43,5	38,7	T70
Terminal block	32,7	31,7	34,3	30,9	30,4	For clause 30.1
PCB	32,9	31,3	33,1	30,4	30,8	T130
Power cord	33,1	38,5	33,8	38,4	31,3	75
Air outlet temperature	46,6	46,8	34,4	45,8	45,1	90
Transformer	43,8	36,6	44,1	41,1	34,3	110 (Class B)
X2 capacitor	40,3	37,7	34,4	35,7	36,4	T85
Varistor	51,6	31,5	34,2	42,0	36,2	T85
Step motor	31,5	31,4	--	30,2	30,4	105 (Class E)
Test corner	31,0	31,3	35,0	30,2	29,9	90
Water pump	--	--	37,9	--	--	110 (Class B)
Outdoor unit						
Discharge	48,5					Ref.
Compressor side enclosure	18,1					150
X2 capacitor	27,3					T85
Relay	28,9					T70
Outdoor fan motor	55,3					150
Electrolytic capacitor	27,1					Ref.
IPM	45,3					Ref.
Rectifier	46,5					Ref.
Terminal block	25,6					For clause 30.1
4-way valve	64,3					110 (class B)
Internal wire to compressor	56,9					T105
PCB	26,3					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	24,3	75
Enclosure	22,9	85
Reactor	29,2	165 (Class H)
Transformer	30,1	110 (Class B)
Varistor	26,6	T85
Test corner	18,4	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,711	61,5	140	Synthetic Insulation
4-way valve winding	1979,0	2368,0	76,0	120	B
Reactor	0,3	0,319	41,4	165	H
supplementary information: R1 was measured at 25 °C					

11.8-80	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	43,3	36,5	36,4	34,3	34,6	150
Relay	35,1	31,8	--	44,6	40,1	T70
Terminal block	32,7	32,1	32,3	32,9	32,2	For clause 30.1
PCB	32,7	32,2	32,1	32,6	32,8	T130
Power cord	33,1	38,3	32,0	39,8	33,0	75
Air outlet temperature	27,8	27,8	33,8	27,6	29,1	90
Transformer	43,1	36,1	28,6	41,7	35,9	110 (Class B)
X2 capacitor	39,3	40,0	33,0	37,7	37,8	T85
Varistor	50,9	34,6	33,0	43,5	37,5	T85
Step motor	31,7	32,1	--	32,2	32,3	105 (Class E)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Test corner	32,2	43,3	30,8	32,7	32,2	90
Water pump	--	--	30,7	--	--	110 (Class B)
Outdoor unit						
Discharge	58,0					Ref.
Compressor side enclosure	67,3					150
X2 capacitor	50,7					T85
Relay	52,0					T70
Outdoor fan motor	60,4					150
Electrolytic capacitor	51,3					Ref.
IPM	61,7					Ref.
Rectifier	61,3					Ref.
Terminal block	49,8					For clause 30.1
4-way valve	46,9					110 (class B)
Internal wire to compressor	59,6					T105
PCB	54,1					T130
Power cord	50,9					75
Enclosure	50,4					85
Reactor	49,0					165 (Class H)
Transformer	53,7					110 (Class B)
Varistor	51,4					T85
Test corner	54,6					90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,3	1,522	69,3	140	Synthetic Insulation
4-way valve winding	2022,0	2292,0	59,7	120	B
Reactor	0,4	0,46	63,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-81	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	42,7	36,7	36,8	32,5	33,6	150
Relay	35,1	31,6	--	43,5	38,8	T70
Terminal block	32,7	31,6	34,4	30,9	30,5	For clause 30.1
PCB	32,9	31,1	33,2	30,4	30,9	T130
Power cord	33,2	38,5	34,0	38,6	31,3	75
Air outlet temperature	46,3	46,6	34,5	45,8	45,1	90
Transformer	43,9	36,6	44,1	41,1	34,3	110 (Class B)
X2 capacitor	40,4	37,8	34,6	35,9	36,4	T85
Varistor	51,6	31,4	34,3	42,1	36,3	T85
Step motor	31,5	31,2	--	30,2	30,5	105 (Class E)
Test corner	30,7	30,7	35,7	30,0	29,8	90
Water pump	--	--	38,0	--	--	110 (Class B)
Outdoor unit						
Discharge	48,6					Ref.
Compressor side enclosure	18,1					150
X2 capacitor	27,2					T85
Relay	28,8					T70
Outdoor fan motor	55,3					150
Electrolytic capacitor	27,0					Ref.
IPM	45,2					Ref.
Rectifier	46,4					Ref.
Terminal block	25,6					For clause 30.1
4-way valve	63,7					110 (class B)
Internal wire to compressor	56,9					T105
PCB	26,2					T130

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Clause	Requirement + Test	Result - Remark	Verdict

Power cord	24,3	75
Enclosure	22,8	85
Reactor	28,9	165 (Class H)
Transformer	30,1	110 (Class B)
Varistor	26,5	T85
Test corner	18,4	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,3	1,477	60,3	140	Synthetic Insulation
4-way valve winding	2022,0	2412,0	75,1	120	B
Reactor	0,4	0,424	40,6	165	H
supplementary information: R1 was measured at 25 °C					

11.8-82	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	43,2	36,6	36,3	34,2	34,6	150
Relay	35,1	31,7	--	44,5	40,1	T70
Terminal block	32,7	32,1	32,2	32,9	32,2	For clause 30.1
PCB	32,7	32,2	32,0	32,6	32,8	T130
Power cord	33,1	38,2	31,9	39,8	33,0	75
Air outlet temperature	27,8	27,7	33,8	27,6	29,0	90
Transformer	43,0	36,0	28,6	41,8	35,8	110 (Class B)
X2 capacitor	39,3	39,2	33,1	37,7	37,8	T85
Varistor	51,0	34,7	33,0	43,5	37,5	T85
Step motor	31,7	32,0	--	32,2	32,2	105 (Class E)

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Clause	Requirement + Test	Result - Remark	Verdict

Test corner	32,2	31,7	30,9	32,6	32,1	90
Water pump	--	--	30,8	--	--	110 (Class B)
Outdoor unit						
Discharge	58,1					Ref.
Compressor side enclosure	67,3					150
X2 capacitor	50,6					T85
Relay	51,9					T70
Outdoor fan motor	60,3					150
Electrolytic capacitor	51,3					Ref.
IPM	61,5					Ref.
Rectifier	61,3					Ref.
Terminal block	49,8					For clause 30.1
4-way valve	47,0					110 (class B)
Internal wire to compressor	59,5					T105
PCB	53,5					T130
Power cord	66,9					75
Enclosure	50,5					85
Reactor	49,0					165 (Class H)
Transformer	53,8					110 (Class B)
Varistor	51,3					T85
Test corner	54,6					90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,6	1,938	79,8	140	Synthetic Insulation
4-way valve winding	1928,0	2189,0	60,1	120	B
Reactor	0,4	0,457	62,0	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-83	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	42,6	36,6	36,7	32,3	33,5	150
Relay	35,1	31,6	--	43,5	38,7	T70
Terminal block	32,7	31,6	34,2	30,8	30,4	For clause 30.1
PCB	32,9	31,1	33,0	30,2	30,7	T130
Power cord	33,1	38,5	34,0	38,5	31,2	75
Air outlet temperature	46,4	46,7	34,3	45,7	45,0	90
Transformer	43,8	36,5	44,1	41,1	34,3	110 (Class B)
X2 capacitor	40,3	37,5	34,3	35,8	36,4	T85
Varistor	51,6	31,4	34,1	42,1	30,1	T85
Step motor	31,4	31,1	--	30,0	30,1	105 (Class E)
Test corner	30,8	31,1	35,6	30,0	29,7	90
Water pump	--	--	37,9	--	--	110 (Class B)
Outdoor unit						
Discharge	48,7					Ref.
Compressor side enclosure	18,1					150
X2 capacitor	27,2					T85
Relay	28,8					T70
Outdoor fan motor	55,5					150
Electrolytic capacitor	26,9					Ref.
IPM	45,1					Ref.
Rectifier	46,3					Ref.
Terminal block	25,5					For clause 30.1
4-way valve	63,7					110 (class B)
Internal wire to compressor	56,7					T105
PCB	26,2					T130

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Clause	Requirement + Test	Result - Remark	Verdict

Power cord	24,3	75
Enclosure	22,7	85
Reactor	28,8	165 (Class H)
Transformer	29,8	110 (Class B)
Varistor	26,3	T85
Test corner	18,4	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,6	1,824	61,3	140	Synthetic Insulation
4-way valve winding	1928,0	2294,0	74,3	120	B
Reactor	0,4	0,429	43,8	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-84	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	40,6	32,8	37,3	34,0	34,5	150
Relay	39,3	32,4	--	42,8	38,2	T70
Terminal block	33,8	31,5	32,1	32,8	32,2	For clause 30.1
PCB	33,6	32,2	32,1	32,5	32,8	T130
Power cord	33,2	32,2	31,9	38,8	32,9	75
Air outlet temperature	28,2	37,8	35,6	28,0	29,1	90
Transformer	35,1	28,1	29,2	41,0	35,7	110 (Class B)
X2 capacitor	33,4	38,6	33,2	37,3	37,8	T85
Varistor	40,7	37,2	32,9	42,6	37,4	T85
Step motor	31,5	44,2	--	32,1	32,2	105 (Class E)
Test corner	32,0	32,2	30,9	32,6	32,1	90
Water pump	--	--	30,8	--	--	110 (Class B)
Outdoor unit						
Discharge	56,5					Ref.
Compressor side enclosure	67,1					150
X2 capacitor	51,0					T85
Relay	52,5					T70
Outdoor fan motor	52,1					150
Electrolytic capacitor	51,1					Ref.
IPM	61,6					Ref.
Rectifier	61,4					Ref.
Terminal block	50,2					For clause 30.1
4-way valve	47,0					110 (class B)
Internal wire to compressor	59,6					T105
PCB	52,2					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	50,8	75
Enclosure	50,9	85
Reactor	41,8	165 (Class H)
Transformer	54,3	110 (Class B)
Varistor	51,3	T85
Test corner	54,4	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,87	89,0	140	Synthetic Insulation
Reactor	0,3	0,345	63,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-85	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	40,6	32,8	37,3	34,0	34,5	150
Relay	39,3	32,4	--	42,8	38,2	T70
Terminal block	33,8	31,5	32,1	32,8	32,2	For clause 30.1
PCB	33,6	32,2	32,1	32,5	32,8	T130
Power cord	33,2	32,2	31,9	38,8	32,9	75
Air outlet temperature	28,2	37,8	35,6	28,0	29,1	90
Transformer	35,1	28,1	29,2	41,0	35,7	110 (Class B)
X2 capacitor	33,4	38,6	33,2	37,3	37,8	T85
Varistor	40,7	37,2	32,9	42,6	37,4	T85
Step motor	31,5	44,2	--	32,1	32,2	105 (Class E)
Test corner	32,0	32,2	30,9	32,6	32,1	90
Water pump	--	--	30,8	--	--	110 (Class B)
Outdoor unit						
Discharge	56,5					Ref.
Compressor side enclosure	67,1					150
X2 capacitor	51,0					T85
Relay	52,5					T70
Outdoor fan motor	52,1					150
Electrolytic capacitor	51,1					Ref.
IPM	61,6					Ref.
Rectifier	61,4					Ref.
Terminal block	50,2					For clause 30.1
4-way valve	47,0					110 (class B)
Internal wire to compressor	59,6					T105
PCB	52,2					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	50,8	75
Enclosure	50,9	85
Reactor	41,8	165 (Class H)
Transformer	54,3	110 (Class B)
Varistor	51,3	T85
Test corner	54,4	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,78	73,4	140	Synthetic Insulation
4-way valve winding	1979,0	2311,0	68,5	120	B
Reactor	0,3	0,345	63,9	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-86	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	40,5	32,9	37,3	34,0	34,5	150
Relay	39,3	32,4	--	43,0	38,2	T70
Terminal block	33,8	31,6	32,1	32,8	32,2	For clause 30.1
PCB	33,6	32,2	32,0	32,6	32,7	T130
Power cord	33,2	32,2	31,9	39,0	32,9	75
Air outlet temperature	28,2	37,8	35,7	28,0	29,1	90
Transformer	35,1	28,1	29,2	41,1	35,7	110 (Class B)
X2 capacitor	33,4	38,6	33,1	37,5	37,8	T85
Varistor	40,7	39,5	32,8	42,8	37,4	T85
Step motor	40,3	44,2	--	32,2	32,2	105 (Class E)
Test corner	32,0	32,2	30,8	32,5	32,1	90
Water pump	--	--	30,8	--	--	110 (Class B)
Outdoor unit						
Discharge	56,3					Ref.
Compressor side enclosure	67,1					150
X2 capacitor	51,1					T85
Relay	52,6					T70
Outdoor fan motor	52,1					150
Electrolytic capacitor	51,2					Ref.
IPM	61,7					Ref.
Rectifier	61,5					Ref.
Terminal block	50,3					For clause 30.1
4-way valve	47,0					110 (class B)
Internal wire to compressor	59,7					T105
PCB	52,2					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	51,0	75
Enclosure	50,9	85
Reactor	41,6	165 (Class H)
Transformer	54,4	110 (Class B)
Varistor	51,4	T85
Test corner	54,5	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,87	89,0	140	Synthetic Insulation
Reactor	0,32	0,371	66,4	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-87	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	42,2	31,9	37,7	31,9	33,2	150
Relay	40,8	29,7	--	41,7	36,8	T70
Terminal block	35,4	30,3	33,6	30,5	30,0	For clause 30.1
PCB	35,1	30,2	32,4	30,0	30,4	T130
Power cord	34,8	38,2	33,3	37,9	31,0	75
Air outlet temperature	44,7	45,3	36,4	44,3	43,5	90
Transformer	36,6	39,6	40,7	40,8	34,1	110 (Class B)
X2 capacitor	35,0	36,0	33,3	35,6	36,0	T85
Varistor	43,0	44,3	33,1	41,5	35,8	T85
Step motor	30,3	31,1	--	29,7	29,9	105 (Class E)
Test corner	32,1	30,8	34,5	29,9	29,4	90
Water pump	--	--	36,6	--	--	110 (Class B)
Outdoor unit						
Discharge	47,8					Ref.
Compressor side enclosure	37,6					150
X2 capacitor	25,7					T85
Relay	28,3					T70
Outdoor fan motor	39,4					150
Electrolytic capacitor	26,2					Ref.
IPM	44,1					Ref.
Rectifier	45,3					Ref.
Terminal block	25,2					For clause 30.1
4-way valve	65,4					110 (class B)
Internal wire to compressor	55,5					T105
PCB	26,2					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	24,4	75
Enclosure	23,4	85
Reactor	20,4	165 (Class H)
Transformer	29,7	110 (Class B)
Varistor	25,7	T85
Test corner	17,8	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,77	71,7	140	Synthetic Insulation
4-way valve winding	1985,0	2345,0	72,1	120	B
Reactor	0,32	0,37	65,5	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-88	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	40,6	32,8	37,3	34,0	34,5	150
Relay	39,3	32,4	--	43,0	38,1	T70
Terminal block	33,8	31,6	32,0	32,8	32,1	For clause 30.1
PCB	33,6	32,1	32,0	32,6	32,7	T130
Power cord	33,2	32,1	31,8	39,1	32,9	75
Air outlet temperature	28,2	37,8	35,7	28,0	29,2	90
Transformer	35,1	28,1	29,2	41,1	35,7	110 (Class B)
X2 capacitor	33,4	38,6	33,1	37,4	37,8	T85
Varistor	40,7	39,5	32,7	42,8	37,4	T85
Step motor	40,1	44,0	--	32,2	32,2	105 (Class E)
Test corner	32,1	32,1	30,8	32,5	32,1	90
Water pump	--	--	30,8	--	--	110 (Class B)
Outdoor unit						
Discharge	56,6					Ref.
Compressor side enclosure	67,1					150
X2 capacitor	51,1					T85
Relay	52,6					T70
Outdoor fan motor	52,2					150
Electrolytic capacitor	51,2					Ref.
IPM	61,7					Ref.
Rectifier	61,5					Ref.
Terminal block	50,3					For clause 30.1
4-way valve	47,0					110 (class B)
Internal wire to compressor	59,6					T105
PCB	52,2					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	50,8	75
Enclosure	51,0	85
Reactor	42,3	165 (Class H)
Transformer	54,4	110 (Class B)
Varistor	51,2	T85
Test corner	54,4	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,87	89,0	140	Synthetic Insulation
Reactor	0,31	0,359	66,0	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-89	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	42,3	31,8	37,7	32,0	33,2	150
Relay	40,8	29,7	--	41,8	36,7	T70
Terminal block	35,4	30,3	33,5	30,5	30,0	For clause 30.1
PCB	35,1	30,3	32,3	30,1	30,3	T130
Power cord	34,8	38,2	33,3	38,0	30,9	75
Air outlet temperature	44,7	45,2	36,5	44,4	43,4	90
Transformer	36,6	39,7	40,9	40,9	34,1	110 (Class B)
X2 capacitor	35,0	38,7	33,4	35,5	36,0	T85
Varistor	43,0	44,5	33,2	41,5	35,8	T85
Step motor	33,2	31,3	--	29,7	30,0	105 (Class E)
Test corner	32,2	31,1	34,6	29,8	29,5	90
Water pump	--	--	36,8	--	--	110 (Class B)
Outdoor unit						
Discharge	47,8					Ref.
Compressor side enclosure	38,4					150
X2 capacitor	25,6					T85
Relay	28,2					T70
Outdoor fan motor	38,8					150
Electrolytic capacitor	26,2					Ref.
IPM	43,9					Ref.
Rectifier	45,2					Ref.
Terminal block	25,2					For clause 30.1
4-way valve	65,4					110 (class B)
Internal wire to compressor	55,5					T105
PCB	25,9					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	24,3	75
Enclosure	23,2	85
Reactor	20,0	165 (Class H)
Transformer	29,5	110 (Class B)
Varistor	25,6	T85
Test corner	17,7	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,77	71,7	140	Synthetic Insulation
4-way valve winding	1961,0	2326,0	73,3	120	B
Reactor	0,31	0,357	64,3	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-90	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	42,1	36,2	37,8	34,2	34,6	150
Relay	41,7	31,8	--	44,3	38,4	T70
Terminal block	32,6	32,2	32,5	32,8	32,1	For clause 30.1
PCB	32,9	32,0	32,6	32,5	32,7	T130
Power cord	32,0	37,9	32,2	39,7	32,8	75
Air outlet temperature	31,1	29,7	35,4	29,6	30,4	90
Transformer	37,2	39,0	30,2	41,8	35,7	110 (Class B)
X2 capacitor	32,9	36,9	32,9	37,8	37,8	T85
Varistor	32,8	44,9	32,7	43,4	37,6	T85
Step motor	--	32,2	--	32,0	32,1	105 (Class E)
Test corner	32,1	31,8	31,5	32,5	32,0	90
Water pump	--	--	31,5	--	--	110 (Class B)
Outdoor unit						
Discharge	54,2					Ref.
Compressor side enclosure	65,8					150
X2 capacitor	51,0					T85
Relay	52,3					T70
Outdoor fan motor	56,4					150
Electrolytic capacitor	51,0					Ref.
IPM	60,5					Ref.
Rectifier	60,4					Ref.
Terminal block	50,2					For clause 30.1
4-way valve	47,2					110 (class B)
Internal wire to compressor	58,3					T105
PCB	53,3					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	50,9	75
Enclosure	50,7	85
Reactor	48,8	165 (Class H)
Transformer	53,5	110 (Class B)
Varistor	50,7	T85
Test corner	53,7	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,82	80,4	140	Synthetic Insulation
Reactor	0,3	0,347	65,7	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-91	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	39,0	35,9	37,7	32,3	33,5	150
Relay	37,5	31,7	--	43,0	37,3	T70
Terminal block	32,7	30,6	33,3	31,0	30,5	For clause 30.1
PCB	33,5	31,0	32,7	30,5	31,0	T130
Power cord	30,8	38,5	33,1	38,6	31,4	75
Air outlet temperature	39,7	42,7	34,8	42,1	41,2	90
Transformer	37,8	40,4	39,1	41,3	34,5	110 (Class B)
X2 capacitor	33,9	38,2	33,0	36,0	36,5	T85
Varistor	33,7	46,3	32,9	42,2	36,3	T85
Step motor	--	31,3	--	30,2	30,4	105 (Class E)
Test corner	33,0	31,0	34,2	30,5	30,0	90
Water pump	-	--	36,1	-	--	110 (Class B)
Outdoor unit						
Discharge	50,9					Ref.
Compressor side enclosure	17,3					150
X2 capacitor	26,4					T85
Relay	28,9					T70
Outdoor fan motor	54,1					150
Electrolytic capacitor	26,7					Ref.
IPM	43,0					Ref.
Rectifier	44,4					Ref.
Terminal block	26,0					For clause 30.1
4-way valve	60,6					110 (class B)
Internal wire to compressor	57,2					T105
PCB	27,3					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	24,9	75
Enclosure	22,1	85
Reactor	25,7	165 (Class H)
Transformer	29,3	110 (Class B)
Varistor	26,7	T85
Test corner	17,3	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,75	68,3	140	Synthetic Insulation
4-way valve winding	1979,0	2375,0	76,9	120	B
Reactor	0,3	0,34	59,6	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-92	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	42,3	36,5	37,9	34,1	34,7	150
Relay	41,7	31,9	--	44,4	38,4	T70
Terminal block	32,7	32,3	32,4	32,8	32,1	For clause 30.1
PCB	33,1	32,0	32,7	32,5	32,7	T130
Power cord	32,1	38,4	32,2	39,7	32,8	75
Air outlet temperature	31,1	29,7	35,4	29,5	30,4	90
Transformer	37,4	39,3	30,2	41,8	35,7	110 (Class B)
X2 capacitor	33,1	37,8	32,8	37,7	37,9	T85
Varistor	32,8	46,1	32,6	43,4	37,6	T85
Step motor	--	32,2	--	31,9	32,1	105 (Class E)
Test corner	32,1	31,9	31,4	32,5	32,0	90
Water pump	--	--	31,4	--	--	110 (Class B)
Outdoor unit						
Discharge	54,2					Ref.
Compressor side enclosure	65,8					150
X2 capacitor	50,9					T85
Relay	52,2					T70
Outdoor fan motor	56,3					150
Electrolytic capacitor	50,8					Ref.
IPM	59,9					Ref.
Rectifier	59,6					Ref.
Terminal block	50,1					For clause 30.1
4-way valve	47,2					110 (class B)
Internal wire to compressor	58,6					T105
PCB	53,0					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	50,8	75
Enclosure	50,6	85
Reactor	48,8	165 (Class H)
Transformer	53,4	110 (Class B)
Varistor	50,5	T85
Test corner	53,6	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,82	80,4	140	Synthetic Insulation
Reactor	0,3	0,356	63,5	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-93	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	39,1	35,9	37,4	32,6	33,4	150
Relay	37,5	31,7	--	43,1	37,4	T70
Terminal block	32,7	30,6	33,4	31,1	30,6	For clause 30.1
PCB	33,6	31,0	32,7	30,6	31,0	T130
Power cord	30,8	38,5	33,1	38,7	31,5	75
Air outlet temperature	39,7	42,7	34,8	42,2	41,3	90
Transformer	37,8	40,4	39,2	41,4	34,6	110 (Class B)
X2 capacitor	33,9	37,6	33,1	36,1	36,6	T85
Varistor	33,7	46,2	33,0	42,2	36,3	T85
Step motor	--	31,3	--	30,5	30,5	105 (Class E)
Test corner	33,0	30,9	34,2	30,4	30,1	90
Water pump	--	--	36,1	--	--	110 (Class B)
Outdoor unit						
Discharge	51,0					Ref.
Compressor side enclosure	17,3					150
X2 capacitor	26,3					T85
Relay	28,8					T70
Outdoor fan motor	53,7					150
Electrolytic capacitor	26,7					Ref.
IPM	42,9					Ref.
Rectifier	44,3					Ref.
Terminal block	25,9					For clause 30.1
4-way valve	60,7					110 (class B)
Internal wire to compressor	57,2					T105
PCB	26,8					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	24,8	75
Enclosure	22,0	85
Reactor	25,7	165 (Class H)
Transformer	29,3	110 (Class B)
Varistor	26,8	T85
Test corner	17,3	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,75	68,3	140	Synthetic Insulation
4-way valve winding	1979,0	2368,0	75,1	120	B
Reactor	0,3	0,352	60,2	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-94	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 23°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	42,2	36,5	37,7	34,1	34,4	150
Relay	41,7	31,8	--	44,3	38,4	T70
Terminal block	32,6	32,3	32,4	32,7	32,0	For clause 30.1
PCB	33,0	32,0	32,6	32,4	32,6	T130
Power cord	32,0	38,4	32,2	39,6	32,8	75
Air outlet temperature	31,0	29,7	35,4	29,6	30,3	90
Transformer	37,3	39,3	30,2	41,8	35,6	110 (Class B)
X2 capacitor	32,9	37,7	32,9	37,5	37,8	T85
Varistor	32,8	46,2	32,6	43,4	37,5	T85
Step motor	--	32,2	--	32,0	32,1	105 (Class E)
Test corner	32,0	31,8	31,5	32,5	32,0	90
Water pump	--	--	31,4	--	--	110 (Class B)
Outdoor unit						
Discharge	54,4					Ref.
Compressor side enclosure	65,7					150
X2 capacitor	50,4					T85
Relay	51,4					T70
Outdoor fan motor	57,1					150
Electrolytic capacitor	50,2					Ref.
IPM	59,8					Ref.
Rectifier	59,4					Ref.
Terminal block	49,5					For clause 30.1
4-way valve	47,0					110 (class B)
Internal wire to compressor	58,2					T105
PCB	52,7					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	50,6	75
Enclosure	50,3	85
Reactor	47,7	165 (Class H)
Transformer	53,2	110 (Class B)
Varistor	49,8	T85
Test corner	53,6	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,82	80,4	140	Synthetic Insulation
Reactor	0,3	0,377	62,0	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-95	TABLE: Heating test, thermocouples Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode					Max. T (°C)
	1	2	3	4	5	
Indoor unit x 5						
Indoor fan motor	39,0	36,0	37,6	32,4	33,4	150
Relay	37,5	31,8	--	43,2	37,4	T70
Terminal block	32,8	30,6	33,4	31,1	30,6	For clause 30.1
PCB	33,5	31,1	32,7	30,6	31,0	T130
Power cord	30,7	38,5	33,1	38,7	31,5	75
Air outlet temperature	39,7	42,7	34,7	42,2	41,2	90
Transformer	37,8	40,4	39,1	41,5	34,6	110 (Class B)
X2 capacitor	33,9	38,7	33,0	36,1	36,6	T85
Varistor	33,7	46,2	32,9	42,3	36,3	T85
Step motor	--	31,4	--	30,4	30,5	105 (Class E)
Test corner	33,0	31,0	34,2	30,4	30,0	90
Water pump	--	--	36,0	--	--	110 (Class B)
Outdoor unit						
Discharge	50,9					Ref.
Compressor side enclosure	17,4					150
X2 capacitor	26,3					T85
Relay	28,8					T70
Outdoor fan motor	54,4					150
Electrolytic capacitor	26,7					Ref.
IPM	42,9					Ref.
Rectifier	44,3					Ref.
Terminal block	25,9					For clause 30.1
4-way valve	60,6					110 (class B)
Internal wire to compressor	57,2					T105
PCB	27,3					T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	25,0	75
Enclosure	22,1	85
Reactor	25,5	165 (Class H)
Transformer	29,3	110 (Class B)
Varistor	26,8	T85
Test corner	17,3	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,5	1,75	68,3	140	Synthetic Insulation
4-way valve winding	1979,0	2357,0	77,4	120	B
Reactor	0,3	0,373	58,8	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-96	TABLE: Heating test, thermocouples Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MS12FU-12HRDN1-QRD0GW(C) and MCA3I-18HRDN1-QRC8 combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 32°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Cooling mode			Max. T (°C)
	1 MSABAU-07HRFN1-QRD0GW	2 MCA3I-18HRDN1-QRC8	3 MS12FU-12HRDN1-QRD0GW(C)	
Indoor unit x 3				
Indoor fan motor	39,3	55,4	47,6	150
Relay	39,5	38,6	39,0	T70
Fan motor capacitor	/	30,6	36,4	T70
Terminal block	33,3	30,7	33,6	85 / For clause 30.1
PCB	34,6	30,6	32,7	T130
Power cord	38,5	30,7	35,6	75
Air outlet temperature	25,7	26,9	26,8	90
Transformer	40,3	32,0	38,2	110 (Class B)
X2 capacitor	44,3	30,7	43,4	T85
Varistor	45,2	30,7	41,6	T85
Step motor	33,0	/	32,7	105 (Class E)
Test corner	32,7	32,4	32,4	90
Outdoor unit				
Discharge	64,6			Ref.
Compressor side enclosure	67,4			150
X2 capacitor	52,5			T85
Relay	56,5			T70
Outdoor fan motor	64,0			150
Electrolytic capacitor	53,7			Ref.
IPM	67,1			Ref.
Rectifier	62,6			Ref.
Terminal block	50,5			85 / For clause 30.1
4-way valve	53,1			110 (class B)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Internal wire to compressor	51,8	T105
PCB	56,5	T130
Power cord	50,6	75
Enclosure	49,3	85
Reactor	76,9	165 (Class H)
Transformer	52,1	110 (Class B)
Varistor	50,7	T85
Test corner	57,6	90

Remark: The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,51	1,84	81,7	140	Synthetic Insulation
4-way valve winding	1979,0	2275,0	63,8	120	B
Reactor	0,32	0,41	98,0	165	H

supplementary information: R1 was measured at 25 °C

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-97	TABLE: Heating test, thermocouples Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MS12FU-12HRDN1-QRD0GW(C) and MCA3I-18HRDN1-QRC8 combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18 °C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode			Max. T (°C)
	1 MSABAU-07HRFN1-QRD0GW	2 MCA3I-18HRDN1-QRC8	3 MS12FU-12HRDN1-QRD0GW(C)	
Indoor unit x 3				
Indoor fan motor	37,4	56,5	44,0	150
Relay	38,0	39,6	36,1	T70
Fan motor capacitor	/	33,9	32,6	T70
Terminal block	30,9	33,4	29,5	85 / For clause 30.1
PCB	32,1	33,8	28,2	T130
Power cord	36,8	33,3	32,1	75
Air outlet temperature	44,1	44,1	43,5	90
Transformer	40,0	33,7	35,5	110 (Class B)
X2 capacitor	43,0	33,6	40,4	T85
Varistor	42,6	33,8	38,6	T85
Step motor	30,4	/	28,2	105 (Class E)
Test corner	29,1	31,2	28,7	90
Outdoor unit				
Discharge	60,7			Ref.
Compressor side enclosure	64,6			150
X2 capacitor	30,7			T85
Relay	37,7			T70
Outdoor fan motor	11,5			150
Electrolytic capacitor	30,9			Ref.
IPM	37,5			Ref.
Rectifier	38,7			Ref.
Terminal block	26,6			85 / For clause 30.1
4-way valve	66,9			110 (class B)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Internal wire to compressor	38,7	T105
PCB	33,3	T130
Power cord	27,9	75
Enclosure	28,1	85
Reactor	68,9	165 (Class H)
Transformer	30,0	110 (Class B)
Varistor	26,9	T85
Test corner	13,8	90

Remark: The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,51	1,79	73,1	140	Synthetic Insulation
4-way valve winding	1979,0	2361,0	75,1	120	B
Reactor	0,32	0,32	81,8	165	H

supplementary information: R1 was measured at 25 °C

11.8-98	TABLE: Heating test, thermocouples Outdoor unit M4OE-28HFN1-Q eqquiped with indoor unit MTBI-07HWFN1-QRD0, MTBI-09HWFN1-QRD0, MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 32°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode				Max. T (°C)
	1 MS11MU-09HRFN1-QRD1GW	2 MTBI-07HWFN1-QRD0	3 MS11MU-12HRFN1-QRD1GW	4 MTBI-09HWFN1-QRD0	
Indoor unit x 4					
Indoor fan motor	37,7	35,1	36,5	34,0	150
Relay	40,8	38,6	40,1	41,0	T70
Terminal block	32,0	31,7	32,7	31,6	85 / For clause 30.1
PCB	34,2	31,6	34,8	31,6	T130
Power cord	34,1	31,6	35,0	31,5	75
Air outlet temperature	24,4	23,4	24,0	25,9	90

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Transformer	37,9	31,2	37,8	32,5	110 (Class B)
X2 capacitor	33,0	31,3	33,3	32,5	T85
Step motor	31,7	/	32,4	/	105 (Class E)
Test corner	31,7	31,7	32,0	31,7	90
Outdoor unit					
Discharge	77,6				Ref.
Compressor side enclosure	75,8				150
X2 capacitor	52,1				T85
Relay	52,9				T70
Outdoor fan motor	68,6				150
Electrolytic capacitor	52,9				Ref.
IPM	69,6				Ref.
Rectifier	65,6				Ref.
Terminal block	50,8				For clause 30.1
4-way valve	54,2				110 (class B)
Internal wire to compressor	63,8				T105
PCB	55,2				T130
Power cord	52,2				75
Enclosure	51,7				85
Reactor	55,2				165 (Class H)
Transformer	54,3				110 (Class B)
Varistor	51,8				T85
Test corner	60,6				90
Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.					

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,33	1,67	91,3	140	Synthetic Insulation
4-way valve winding	2022,0	2285,0	58,8	120	B
Reactor	0,42	0,49	68,3	165	H
supplementary information: R1 was measured at 25 °C					

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

11.8-99	TABLE: Heating test, thermocouples Outdoor unit M4OE-28HFN1-Q eqquiped with indoor unit MTBI-07HWFN1-QRD0, MTBI-09HWFN1-QRD0, MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C)..... :	Heating Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C)..... :		—

Thermocouple locations	T (°C) Heating mode				Max. T (°C)
	1 MS11MU-09HRFN1-QRD1GW	2 MTBI-07HWFN1-QRD0	3 MS11MU-12HRFN1-QRD1GW	4 MTBI-09HWFN1-QRD0	
Indoor unit x 4					
Indoor fan motor	38,4	33,8	29,8	32,7	150
Relay	43,1	39,5	38,5	38,1	T70
Terminal block	32,0	31,3	30,1	33,2	85 / For clause 30.1
PCB	35,1	32,6	32,6	33,3	T130
Power cord	35,0	34,0	32,7	33,8	75
Air outlet temperature	42,3	42,5	42,5	40,1	90
Transformer	39,7	33,6	36,6	33,8	110 (Class B)
X2 capacitor	33,2	34,2	30,7	35,0	T85
Step motor	31,6	/	29,6	/	105 (Class E)
Test corner	31,5	30,9	30,1	30,8	90
Outdoor unit					
Discharge	69,1				Ref.
Compressor side enclosure	64,8				150
X2 capacitor	27,6				T85
Relay	33,7				T70
Outdoor fan motor	12,5				150
Electrolytic capacitor	28,3				Ref.
IPM	42,8				Ref.
Rectifier	41,5				Ref.
Terminal block	24,4				For clause 30.1
4-way valve	44,4				110 (class B)
Internal wire to compressor	47,6				T105
PCB	31,0				T130

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Power cord	26,9	75
Enclosure	22,7	85
Reactor	30,2	165 (Class H)
Transformer	31,7	110 (Class B)
Varistor	26,9	T85
Test corner	12,1	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,33	1,62	81,6	140	Synthetic Insulation
4-way valve winding	2022,0	2241,0	53,1	120	B
Reactor	0,42	0,45	43,5	165	H

supplementary information: R1 was measured at 25 °C

11.8-100	TABLE: Heating test, thermocouples Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSAEAU-09HRFN1-QRD0GW, MSAEBU-12HRFN1-QRD0GW, MSAECU-18HRFN1-QRD0GW and MSAEDU-24HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 32°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode				Max. T (°C)
	1 MSAEDU-24HRFN1-QRD0GW	2 MSAECU-18HRFN1-QRD0GW	3 MSAEBU-12HRFN1-QRD0GW	4 MSAEAU-09HRFN1-QRD0GW	
Indoor unit x 4					
Indoor fan motor	39,0	37,6	35,9	34,3	150
Terminal block	33,6	33,5	33,6	33,9	85 / For clause 30.1
PCB	33,1	33,6	32,9	34,3	T130
Power cord	35,2	35,6	35,9	35,9	75
Air outlet temperature	23,3	26,3	25,5	26,2	90
Transformer	36,8	43,9	37,7	36,3	110 (Class B)
X2 capacitor	40,9	40,6	39,9	51,8	T85
Relay	41,8	37,5	43,1	31,9	T70
Test corner	32,2	32,9	33,0	31,9	90
Step motor	32,5	32,7	33,1	32,0	105 (Class E)
Outdoor unit					
Discharge	63,3				Ref.
Compressor side enclosure	65,0				150
X2 capacitor	51,1				T85
Relay	50,9				T70
Electrolytic capacitor	52,7				Ref.
Outdoor fan motor	61,3				150
IPM	65,6				Ref.
Rectifier	59,9				Ref.
Terminal block	49,9				85 / For clause 30.1
4-way valve	50,3				110 (class B)
Internal wire to compressor	66,6				T105
PCB	53,7				T130
Power cord	50,7				75

Enclosure	49,7	85
Transformer	51,3	110 (Class B)
Reactor	66,6	165 (Class H)
Varistor	50,2	T85
X2 capacitor	50,5	T85
Test corner	56,2	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,70	2,08	83,0	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-101	TABLE: Heating test, thermocouples Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSAEAU-09HRFN1-QRD0GW, MSAEBU-12HRFN1-QRD0GW, MSAECU-18HRFN1-QRD0GW and MSAEDU-24HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18 °C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode				Max. T (°C)
	1 MSAEDU-24HRFN1-QRD0GW	2 MSAECU-18HRFN1-QRD0GW	3 MSAEBU-12HRFN1-QRD0GW	4 MSAEAU-09HRFN1-QRD0GW	
Indoor unit x 4					
Indoor fan motor	37,9	34,3	34,9	31,5	150
Terminal block	31,9	31,4	30,9	30,8	85 / For clause 30.1
PCB	31,9	30,9	30,3	30,5	T130
Power cord	34,0	31,4	33,8	32,5	75
Air outlet temperature	41,5	41,2	40,7	42,3	90
Transformer	36,1	39,4	33,9	33,2	110 (Class B)
X2 capacitor	39,9	39,7	36,4	41,3	T85
Relay	41,5	37,2	38,8	47,1	T70
Test corner	31,5	30,4	30,2	30,0	90
Step motor	32,1	31,1	30,0	30,6	105 (Class E)
Outdoor unit					
Discharge	56,9				Ref.
Compressor side enclosure	58,9				150
X2 capacitor	27,9				T85
Relay	27,9				T70
Electrolytic capacitor	14,7				Ref.
Outdoor fan motor	33,1				150
IPM	49,0				Ref.
Rectifier	42,4				Ref.
Terminal block	25,3				85 / For clause 30.1
4-way valve	42,3				110 (class B)
Internal wire to compressor	58,5				T105
PCB	32,4				T130
Power cord	27,8				75

Enclosure	26,3	85
Transformer	31,8	110 (Class B)
Reactor	66,7	165 (Class H)
Varistor	26,2	T85
X2 capacitor	26,9	T85
Test corner	13,7	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,70	2,04	76,9	140	Synthetic Insulation
4-way valve winding	1925,0	2279,0	72,7	120	B

supplementary information: R1 was measured at 25 °C

11.8-102	TABLE: Heating test, thermocouples Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSVPBU-09HRFN1-QRD0GW, MSVPBU-12HRFN1-QRD0GW, MSVPCU-18HRFN1-QRD0GW and MSVPDU-24HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 32°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode				Max. T (°C)
	1 MSVPDU-24HRFN1-QRD0GW	2 MSVPBU-09HRFN1-QRD0GW	3 MSVPBU-12HRFN1-QRD0GW	4 MSVPCU-18HRFN1-QRD0GW	
Indoor unit x 4					
Indoor fan motor	37,4	36,1	37,3	36,1	150
Relay	46,6	44,6	40,9	44,8	T70
Terminal block	31,9	32,3	33,6	33,7	85 / For clause 30.1
PCB	31,8	31,5	33,0	33,1	T130
Power cord	34,2	34,5	35,7	36,3	75
Air outlet temperature	24,6	25,1	25,3	24,9	90
Transformer	41,4	41,7	38,8	40,1	110 (Class B)
X2 capacitor	38,2	44,8	41,8	43,6	T85
Varistor	39,9	46,0	41,7	46,8	T85
Step motor	30,7	31,4	32,6	32,8	105 (Class E)
Test corner	31,6	32,7	33,1	33,0	90
Outdoor unit					
Discharge	67,2				Ref.
Compressor side enclosure	70,6				150
X2 capacitor	51,4				T85
Relay	51,4				T70
Electrolytic capacitor	53,1				Ref.
Outdoor fan motor	62,1				150
IPM	68,1				Ref.
Rectifier	61,8				Ref.
Terminal block	49,2				For clause 30.1
4-way valve	50,3				110 (class B)
Internal wire to compressor	73,4				T105
PCB	55,0				T130

Power cord	51,3	75
Enclosure	50,3	85
Transformer	51,9	110 (Class B)
Reactor	68,5	165 (Class H)
Test corner	57,9	90
Varistor	50,7	T85
X2 capacitor	50,9	T85

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,72	2,14	88,4	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-103	TABLE: Heating test, thermocouples Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSVPBU-09HRFN1-QRD0GW, MSVPBU-12HRFN1-QRD0GW, MSVPCU-18HRFN1-QRD0GW and MSVPDU-24HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode				Max. T (°C)
	1 MSVPDU-24HRFN1-QRD0GW	2 MSVPBU-09HRFN1-QRD0GW	3 MSVPBU-12HRFN1-QRD0GW	4 MSVPCU-18HRFN1-QRD0GW	
Indoor unit x 4					
Indoor fan motor	37,3	37,1	33,2	33,4	150
Relay	44,3	45,3	40,9	41,9	T70
Terminal block	30,4	34,8	30,6	30,2	85 / For clause 30.1
PCB	30,0	35,1	29,5	29,1	T130
Power cord	32,4	37,0	33,8	32,9	75
Air outlet temperature	44,6	45,2	45,5	43,7	90
Transformer	38,7	41,9	37,0	35,7	110 (Class B)
X2 capacitor	35,8	44,8	41,0	40,9	T85
Varistor	36,9	47,1	41,7	43,9	T85
Step motor	30,1	37,8	29,3	29,1	105 (Class E)
Test corner	30,3	30,2	29,9	29,5	90
Outdoor unit					
Discharge	58,8				Ref.
Compressor side enclosure	59,2				150
X2 capacitor	33,5				T85
Relay	34,2				T70
Electrolytic capacitor	18,1				Ref.
Outdoor fan motor	37,1				150
IPM	51,2				Ref.
Rectifier	45,9				Ref.
Terminal block	30,2				For clause 30.1
4-way valve	58,1				110 (class B)
Internal wire to compressor	59,9				T105
PCB	39,3				T130

Power cord	34,4	75
Enclosure	32,6	85
Transformer	37,4	110 (Class B)
Reactor	60,0	165 (Class H)
Test corner	17,3	90
Varistor	32,2	T85
X2 capacitor	33,1	T85

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,72	2,08	79,3	140	Synthetic Insulation
4-way valve winding	1935,0	2323,0	77,0	120	B

supplementary information: R1 was measured at 25 °C

11.8-104	TABLE: Heating test, thermocouples Outdoor unit M5OE-42HFN1-Q eqquiped with indoor unit MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-18HRFN1-QRD0GW, MTBI-18HWDN1-QRC8 and MCA3U-12HRFN1-QRD0W combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 32 °C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1 MS12FU-18HRFN1-QRD0GW	2 MS12FU-09HRFN1-QRD0GW	3 MCA3U-12HRFN1-QRD0W	4 MS12FU-12HRFN1-QRD0GW	5 MTBI-18HWDN1-QRC8	
Indoor unit x 5						
Indoor fan motor	39,2	37,5	34,6	35,6	44,1	150
Relay	47,3	48,7	45,7	46,6	37,4	T70
Fan motor capacitor	31,9	/	/	/	32,9	T70
Terminal block	33,8	33,9	37,0	31,4	32,6	For clause 30.1
PCB	33,5	33,0	31,9	33,6	33,2	T130
Power cord	32,2	31,9	30,6	31,1	34,1	75
Air outlet temperature	28,0	26,8	25,9	27,5	29,1	90
Transformer	34,3	38,5	38,6	37,7	82,5	110 (Class B)
X2 capacitor	34,5	34,2	31,8	33,0	45,2	T85
Varistor	39,2	37,9	31,4	36,0	34,7	T85
Step motor	31,9	31,8	/	31,1	/	105 (Class E)
Test corner	31,8	31,5	31,4	31,9	31,7	90
Water pump	/	/	45,7	/	/	110 (Class B)
Outdoor unit						
Discharge	63,2					Ref.
Compressor side enclosure	65,8					150
X2 capacitor	50,6					T85
Relay	50,7					T70
Outdoor fan motor	68,8					150
Electrolytic capacitor	54,9					Ref.
IPM	71,5					Ref.
Rectifier	69,8					Ref.

Terminal block	49,8	For clause 30.1
4-way valve	49,6	110 (class B)
Internal wire to compressor	56,8	T105
PCB	49,9	T130
Power cord	50,7	75
Enclosure	48,9	85
Transformer	54,6	110 (Class B)
Varistor	50,3	T85
Reactor	75,3	165 (Class H)
Test corner	56,1	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,20	1,48	85,6	140	Synthetic Insulation

supplementary information: R1 was measured at 25 °C

11.8-105	TABLE: Heating test, thermocouples Outdoor unit M5OE-42HFN1-Q eqquiped with indoor unit MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-18HRFN1-QRD0GW, MTBI-18HWDN1-QRC8 and MCA3U-12HRFN1-QRD0W combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Heating Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18 °C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode					Max. T (°C)
	1 MS12FU-18HRFN1-QRD0GW	2 MS12FU-09HRFN1-QRD0GW	3 MCA3U-12HRFN1-QRD0W	4 MS12FU-12HRFN1-QRD0GW	5 MTBI-18HWDN1-QRC8	
Indoor unit x 5						
Indoor fan motor	38,5	37,8	35,4	35,8	41,9	150
Relay	48,3	51,0	36,9	50,4	36,0	T70
Fan motor capacitor	/	/	/	/	30,9	T70
Terminal block	29,8	32,7	31,8	33,2	30,5	For clause 30.1
PCB	32,5	33,3	34,0	34,7	29,5	T130
Power cord	30,3	30,7	32,2	31,0	32,2	75
Air outlet temperature	42,2	42,1	43,2	41,0	35,3	90
Transformer	32,3	38,9	35,6	40,5	65,4	110 (Class B)
X2 capacitor	32,9	33,3	33,2	35,6	42,5	T85
Varistor	38,0	38,0	32,5	38,9	36,3	T85
Step motor	29,9	29,7	/	31,4	/	105 (Class E)
Test corner	29,9	28,8	28,8	30,5	29,6	90
Water pump	/	/	35,4	/	/	110 (Class B)
Outdoor unit						
Discharge	59,4					Ref.
Compressor side enclosure	61,0					150
X2 capacitor	27,2					T85
Relay	40,9					T70
Outdoor fan motor	12,1					150
Electrolytic capacitor	36,7					Ref.
IPM	50,8					Ref.
Rectifier	20,1					Ref.

Terminal block	24,6	For clause 30.1
4-way valve	63,6	110 (class B)
Internal wire to compressor	46,4	T105
PCB	25,3	T130
Power cord	27,7	75
Enclosure	23,3	85
Transformer	36,8	110 (Class B)
Varistor	26,5	T85
Reactor	63,9	165 (Class H)
Test corner	12,6	90

Remark: The alternative components with the appliance and the 0,94 times rated voltage were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,20	1,47	83,4	140	Synthetic Insulation
4-way valve	2141,0	2540,0	73,4	120	B

supplementary information: R1 was measured at 25 °C

11.8-106	TABLE: Heating test, thermocouples Outdoor unit M2OF-18HFN1-Q eqquiped with indoor unit MS11MU-09HRFN1-QRD0GW and MS11MU-12HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 32 °C, WB: 23 °C; Outdoor unit: DB: 50 °C, WB: 32°C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Cooling mode		Max. T (°C)
	1 MS11MU-09HRFN1-QRD0GW	2 MS11MU-12HRFN1-QRD0GW	
Indoor unit x 2			
Indoor fan motor	67,0	65,9	150
Relay	39,1	41,5	T70
Fan motor capacitor	39,5	40,1	T70
Terminal block	33,6	33,4	85 / For clause 30.1
PCB	35,4	32,1	T130
Power cord	35,0	39,7	75
Air outlet temperature	21,6	19,2	90
Transformer	42,0	40,6	110 (Class B)
X2 capacitor	42,6	49,8	T85
Varistor	42,3	43,4	T85
Step motor	31,5	31,8	105 (Class E)
Test corner	31,6	31,2	90
Outdoor unit			
Discharge	82,5		Ref.
Compressor side enclosure	82,0		150
X2 capacitor	53,3		T85
Relay	52,8		T70
Outdoor fan motor	75,4		150
Electrolytic capacitor	57,8		Ref.
IPM	70,5		Ref.
Rectifier	71,0		Ref.
Terminal block	51,1		85 / For clause 30.1
4-way valve	56,4		110 (class B)
Internal wire to compressor	55,9		T105
PCB	56,6		T130

Power cord	54,1	75
Enclosure	48,5	85
Transformer	59,7	110 (Class B)
Varistor	54,5	T85
Test corner	57,4	90

Remark: The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,10	1,39	92,5	140	Synthetic Insulation
4-way valve winding	2060,0	2388,6	66,4	120	B
Reactor	0,20	0,25	88,3	165	H

supplementary information: R1 was measured at 25 °C

11.8-107	TABLE: Heating test, thermocouples Outdoor unit M2OF-18HFN1-Q eqquiped with indoor unit MS11MU-09HRFN1-QRD0GW and MS11MU-12HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB: 30 °C, WB: 19 °C; Outdoor unit: DB: 24 °C, WB: 18 °C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C) Heating mode		Max. T (°C)
	1 MS11MU-09HRFN1-QRD0GW	2 MS11MU-12HRFN1-QRD0GW	
Indoor unit x 2			
Indoor fan motor	60,7	59,8	150
Relay	36,7	40,3	T70
Fan motor capacitor	36,8	37,4	T70
Terminal block	30,8	31,2	85 / For clause 30.1
PCB	32,8	28,2	T130
Power cord	32,2	37,9	75
Air outlet temperature	46,8	50,2	90
Transformer	40,6	38,8	110 (Class B)
X2 capacitor	40,3	47,2	T85
Varistor	40,1	41,2	T85
Step motor	30,5	29,4	105 (Class E)
Test corner	27,8	28,3	90
Outdoor unit			
Discharge	86,0		Ref.
Compressor side enclosure	85,4		150
X2 capacitor	33,1		T85
Relay	38,3		T70
Outdoor fan motor	20,4		150
Electrolytic capacitor	41,0		Ref.
IPM	43,2		Ref.
Rectifier	43,8		Ref.
Terminal block	26,4		85 / For clause 30.1
4-way valve	92,2		110 (class B)
Internal wire to compressor	40,3		T105
PCB	32,7		T130

Power cord	31,6	75
Enclosure	26,4	85
Transformer	40,3	110 (Class B)
Varistor	34,5	T85
Test corner	12,3	90

Remark: The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

Temperature of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Compressor winding	1,10	1,41	96,0	140	Synthetic Insulation
4-way valve winding	2060,0	2672,8	102,2	120	B
Reactor	0,20	0,23	60,9	165	H

supplementary information: R1 was measured at 25 °C

11.8-108	TABLE: Heating test Outdoor unit: M3OE-21HFN1-Q + indoor unit 1: MCA3I-07HRFN1-QRC8 + indoor unit 2: MTBI-07HWFN1-QRD0 + indoor unit 3: MS11MU-09HRFN1-QRD0GW.		P
	Test voltage (V) ..... …:	1,06 x 240 V = 254,4 V	—
	Ambient (°C) ..... :	See supplementary information	—

Thermocouple locations	Max. temperature measured, T (°C)						Max. temperature limit, T (°C)
	Cooling mode			Heating mode			
	Indoor 1	Indoor 2	Indoor 3	Indoor 1	Indoor 2	Indoor 3	
Indoor unit							
Fan motor enclosure	33,7	31,1	37,5	30,3	44,5	35,2	105 (Class E)
Winding of transformer	31,7	40,0	40,2	32,5	52,5	31,5	110 (Class B)
Relay	31,4	30,8	42,8	32,5	41,5	40,8	T70
Terminal block	32,0	30,3	33,1	32,2	40,0	30,5	85/For cl.30.1
Main PCB	32,1	30,6	32,2	32,3	42,1	29,5	145
Step motor	32,8	---	32,7	40,0	---	39,3	105 (Class E)
X2 capacitor	32,1	30,6	30,8	32,6	42,3	33,1	T85
Varistor	32,0	32,7	38,4	32,5	37,5	36,0	T85
Air outlet	25,2	25,6	25,1	43,5	39,5	44,5	90
Test corner	32,4	31,3	32,0	29,5	31,2	29,5	90
Outdoor unit							
Fan motor enclosure	67,1			18,8			105 (Class E)
Discharge pipe	64,7			57,0			150
Compressor side enclosure	61,0			56,2			150
Relay	51,7			27,7			T70
X2 capacitor	52,4			28,8			T85
Electrolytic capacitor	52,4			26,4			Ref.
IPM	61,1			30,9			Ref.
Bridge rectifier	59,5			34,0			Ref.
Reactor	67,5			54,5			165 (Class H)
Varistor	50,6			23,9			T85
Winding of transformer	55,5			32,0			110 (Class B)

Terminal block	50,4	25,0	85
4-way valve	52,5	48,8	110 (Class B)
Internal wire to compressor	52,2	36,6	T105
PCB	51,0	26,5	145
Enclosure	50,4	25,3	85
Test corner	57,1	14,9	90

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 32 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C

11.8-108 TABLE: Heating test, resistance method P

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Cooling mode					
Reactor I	1,3	1,56	76,9	165	H
Reactor II	2,1	2,45	68,2	165	H
Heating mode					
Reactor I	1,3	1,49	62,9	165	H
Reactor II	2,1	2,22	39,8	165	H
Supplementary information: ---					

11.8-109	TABLE: Heating test Outdoor unit: M2OE-14HFN1-Q + indoor unit 1: MCA3I-07HRFN1-QRC8 + indoor unit 2: MTBI-07HWFN1-QRD0.	P
	Test voltage (V).....: 1,06 x 240 V = 254,4 V	—
	Ambient (°C).....: See supplementary information	—

Thermocouple locations	Max. temperature measured, T (°C)				Max. temperature limit, T (°C)
	Cooling mode		Heating mode		
	Indoor 1	Indoor 2	Indoor 1	Indoor 2	
Indoor unit					
Fan motor enclosure	33,2	32,4	30,0	39,7	105 (Class E)
Winding of transformer	31,7	41,1	31,3	44,8	110 (Class B)
Relay	31,5	31,1	32,5	35,7	T70
Terminal block	32,2	31,1	31,5	35,8	85/For cl.30.1
Main PCB	32,3	32,0	32,2	36,3	145
Step motor	31,4	---	41,2	---	105 (Class E)
X2 capacitor	31,7	31,1	32,6	36,0	T85
Varistor	32,1	32,8	32,7	35,2	T85
Air outlet	26,8	27,3	45,3	38,3	90
Test corner	32,3	31,7	29,4	31,3	90
Outdoor unit					
Fan motor enclosure	64,6		15,9		105 (Class E)
Discharge pipe	65,2		60,6		Ref.
Compressor side enclosure	65,6		60,2		Ref.
X2 capacitor	51,4		29,0		T85
Relay	51,4		41,1		T70
Electrolytic capacitor	52,8		36,4		Ref.
IPM	61,3		43,9		Ref.
Bridge rectifier	62,7		46,3		Ref.
Varistor	55,8		41,0		T85
Winding of transformer	52,0		36,6		110 (Class B)
Terminal block	51,9		29,7		85
4-way valve	50,0		66,4		110 (Class B)

Internal wire to compressor	52,6	31,3	T105
PCB	52,8	30,9	145
Enclosure	50,4	24,1	85
Test corner	54,1	15,6	90

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 32 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C

11.8-109 **TABLE: Heating test, resistance method** N/A

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class

Supplementary information: ---

11.8-110	**TABLE: Heating test** Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... …:	1,06 x 240 V = 254,4 V	—
	Ambient (°C) .....:	See supplementary information	—

Thermocouple locations	Max. temperature measured, T (°C)						Max. temperature limit, T (°C)
	Cooling mode			Heating mode			
	1 MSAFAU-09HRDN1-QRD0GW	2 MSAFBU-12HRDN1-QRD0GW	3 MSAFCU-18HRFN1-QRD0GW	1 MSAFAU-09HRDN1-QRD0GW	2 MSAFBU-12HRDN1-QRD0GW	3 MSAFCU-18HRFN1-QRD0GW	
Indoor unit							
Indoor fan motor	63,5	55,8	62,3	62,4	55,0	59,8	150
Relay	42,0	43,1	46,2	40,9	42,1	45,6	T70
Terminal block	34,2	34,9	35,3	34,9	36,3	33,9	85 / For clause 30.1
PCB	36,3	32,3	36,6	36,3	31,0	35,2	T130
Power cord	32,2	36,9	34,5	29,9	37,5	33,5	75
Air outlet temperature	29,7	26,2	26,3	38,8	48,6	49,5	90
Transformer	39,7	42,3	45,2	39,8	43,8	45,1	110 (Class B)
X2 capacitor	33,5	43,1	40,3	31,8	43,6	39,2	T85
Varistor	43,6	44,8	40,0	43,2	45,1	38,8	T85
Step motor	32,2	32,1	31,7	29,8	30,5	30,1	105 (Class E)
Test corner	32,1	31,8	31,7	29,6	31,6	30,4	90
Outdoor unit							
Discharge	64,4			67,4			Ref.
Compressor side enclosure	69,9			75,4			150
X2 capacitor	53,8			40,3			T85
Relay	53,6			41,5			T70
Outdoor fan motor	71,6			17,7			150
Electrolytic capacitor	54,8			43,2			Ref.
IPM	71,5			67,1			Ref.
Rectifier	39,8			72,4			Ref.
Terminal block	50,7			26,3			For clause 30.1

4-way valve	54,8	71,7	110 (class B)
Internal wire to compressor	55,4	51,3	T105
PCB	51,8	37,2	T130
Power cord	51,3	29,3	75
Enclosure	49,6	25,6	85
Reactor	70,8	68,2	165 (Class H)
Transformer	56,9	38,7	110 (Class B)
Varistor	52,6	38,9	T85
Inductor	57,4	51,8	Ref.
Test corner	54,5	15,1	90

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 32 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C
The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-110 TABLE: Heating test, resistance method P

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Cooling mode					
Winding of indoor fan motor 1	376,0	446,4	73,6	115	E
Winding of indoor fan motor 2	376,0	435,1	65,8	115	E
Compressor winding	0,80	0,97	80,1	140	Synthetic Insulation
4-way valve	2100,0	2422,1	64,8	120	B
Reactor	0,20	0,24	76,9	165	H
Heating mode					
Winding of indoor fan motor 1	376,0	444,7	72,4	115	E
Winding of indoor fan motor 2	376,0	434,0	65,0	115	E
Compressor winding	0,80	0,99	86,6	140	Synthetic Insulation
4-way valve	2100,0	2558,8	81,7	120	B
Reactor	0,20	0,25	89,9	165	H
Supplementary information: ---					

11.8-111	**TABLE: Heating test** Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor	P
	Test voltage (V) ..... …: 1,06 x 240 V = 254,4 V	—
	Ambient (°C) .....: See supplementary information	—

Thermocouple locations	Max. temperature measured, T (°C)						Max. temperature limit, T (°C)
	Cooling mode			Heating mode			
	1 MSAFAU-09HRDN1-QRD0GW	2 MSAFBU-12HRDN1-QRD0GW	3 MSAFCU-18HRFN1-QRD0GW	1 MSAFAU-09HRDN1-QRD0GW	2 MSAFBU-12HRDN1-QRD0GW	3 MSAFCU-18HRFN1-QRD0GW	
Indoor unit							
Indoor fan motor	63,5	55,9	62,3	61,9	54,3	58,8	150
Relay	41,8	42,5	46,3	40,3	40,9	44,7	T70
Terminal block	34,2	34,8	35,3	34,2	35,8	33,1	85 / For clause 30.1
PCB	36,3	32,2	36,6	35,7	30,5	34,5	T130
Power cord	32,1	36,8	34,4	29,3	37,0	32,5	75
Air outlet temperature	29,6	26,2	26,3	38,4	48,2	48,8	90
Transformer	39,7	42,3	45,2	39,2	43,3	44,4	110 (Class B)
X2 capacitor	33,5	43,0	40,3	31,2	43,1	38,4	T85
Varistor	43,6	44,7	40,0	42,6	44,7	38,0	T85
Step motor	32,2	32,0	31,6	29,3	30,0	29,1	105 (Class E)
Test corner	32,1	31,8	31,6	29,3	31,3	29,5	90
Outdoor unit							
Discharge	64,7			66,2			Ref.
Compressor side enclosure	69,9			74,3			150
X2 capacitor	53,8			39,3			T85
Relay	53,6			40,6			T70
Outdoor fan motor	71,8			16,9			150
Electrolytic capacitor	54,7			42,1			Ref.
IPM	71,5			64,9			Ref.
Rectifier	69,7			70,5			Ref.
Terminal block	50,5			25,7			For clause 30.1

4-way valve	54,6	70,7	110 (class B)
Internal wire to compressor	54,9	49,5	T105
PCB	51,6	36,3	T130
Power cord	51,1	28,4	75
Enclosure	49,4	25,0	85
Reactor	70,3	67,5	165 (Class H)
Transformer	56,5	37,9	110 (Class B)
Varistor	52,3	38,1	T85
Inductor	57,3	50,7	Ref.
Test corner	54,4	14,5	90

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 32 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C

The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-111	**TABLE: Heating test, resistance method**	P

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Cooling mode					
Winding of indoor fan motor 1	376,0	446,3	73,5	115	E
Winding of indoor fan motor 2	376,0	435,3	65,9	115	E
Compressor winding	0,80	0,97	80,1	140	Synthetic Insulation
4-way valve	2100,0	2417,2	64,2	120	B
Reactor	0,20	0,24	76,9	165	H
Heating mode					
Winding of indoor fan motor 1	376,0	444,0	71,9	115	E
Winding of indoor fan motor 2	376,0	432,9	64,3	115	E
Compressor winding	0,80	0,98	83,4	140	Synthetic Insulation
4-way valve	2100,0	2550,8	80,7	120	B
Reactor	0,20	0,25	89,9	165	H

Supplementary information: ---

11.8-112	**TABLE: Heating test** Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing with alternative fan motor	P

	Test voltage (V) ..... …:	1,06 x 240 V = 254,4 V	—
	Ambient (°C) .....:	See supplementary information	—

Thermocouple locations	Max. temperature measured, T (°C)						Max. temperature limit, T (°C)
	Cooling mode			Heating mode			
	1 MSAFAU-09HRDN1-QRD0GW	2 MSAFBU-12HRDN1-QRD0GW	3 MSAFCU-18HRFN1-QRD0GW	1 MSAFAU-09HRDN1-QRD0GW	2 MSAFBU-12HRDN1-QRD0GW	3 MSAFCU-18HRFN1-QRD0GW	
Indoor unit							
Indoor fan motor	63,5	55,6	62,3	62,1	54,4	59,1	150
Relay	41,8	39,2	46,1	40,5	41,6	45,0	T70
Terminal block	34,1	36,2	35,2	34,3	36,0	33,4	85 / For clause 30.1
PCB	36,3	32,1	36,5	35,9	30,7	34,8	T130
Power cord	32,0	36,8	34,3	29,5	37,2	33,0	75
Air outlet temperature	29,5	26,1	26,2	38,6	48,4	49,2	90
Transformer	39,6	42,2	45,1	39,4	43,5	44,7	110 (Class B)
X2 capacitor	33,4	43,0	40,2	31,4	43,3	38,7	T85
Varistor	43,5	44,7	40,0	42,8	44,9	38,3	T85
Step motor	32,1	31,9	31,5	29,5	30,2	29,6	105 (Class E)
Test corner	32,0	31,6	31,5	29,4	31,5	30,0	90
Outdoor unit							
Discharge	64,6			67,2			Ref.
Compressor side enclosure	70,1			75,2			150
X2 capacitor	53,7			40,1			T85
Relay	53,6			41,5			T70
Outdoor fan motor	71,8			17,5			150
Electrolytic capacitor	54,7			42,9			Ref.
IPM	71,6			66,9			Ref.
Rectifier	69,7			72,9			Ref.
Terminal block	50,5			26,3			For clause 30.1
4-way valve	54,5			71,7			110 (class B)
Internal wire to	55,1			50,4			T105

compressor			
PCB	51,6	37,0	T130
Power cord	51,1	29,2	75
Enclosure	49,5	25,5	85
Reactor	70,3	68,0	165 (Class H)
Transformer	56,5	38,4	110 (Class B)
Varistor	52,3	38,6	T85
Inductor	57,3	51,6	Ref.
Test corner	54,4	15,1	90

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 32 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C

The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-112 **TABLE: Heating test, resistance method** P

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Cooling mode					
Winding of indoor fan motor 1	376,0	446,3	73,5	115	E
Winding of indoor fan motor 2	376,0	434,8	65,6	115	E
Compressor winding	0,80	0,97	80,1	140	Synthetic Insulation
4-way valve	2100,0	2419,7	64,5	120	B
Reactor	0,20	0,24	76,9	165	H
Heating mode					
Winding of indoor fan motor 1	376,0	444,2	72,1	115	E
Winding of indoor fan motor 2	376,0	433,1	64,4	115	E
Compressor winding	0,80	0,99	86,6	140	Synthetic Insulation
4-way valve	2100,0	2558,8	81,7	120	B
Reactor	0,20	0,25	89,9	165	H
Supplementary information: ---					

11.8-113	**TABLE: Heating test** Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing		P
	Test voltage (V) ..... …:	1,06 x 240 V = 254,4 V	—

	Ambient (°C).....:	See supplementary information	—

Thermocouple locations	Max. temperature measured, T (°C)				Max. temperature limit, T (°C)
	Cooling mode		Heating mode		
	1 MCA3U-12HRFN1-QRD0W	2 MSAFDU-24HRFN1-QRD0GW	1 MCA3U-12HRFN1-QRD0W	2 MSAFDU-24HRFN1-QRD0GW	
Indoor unit					
Indoor fan motor	28,7	70,8	44,8	67,7	150
Relay	34,1	38,5	42,8	35,1	T70
Terminal block	26,7	34,3	38,0	30,3	85 / For clause 30.1
PCB	32,3	33,5	30,3	29,4	T130
Power cord	23,6	33,3	40,4	28,4	75
Air outlet temperature	15,0	23,8	53,5	48,4	90
Transformer	33,4	41,1	41,8	38,1	110 (Class B)
X2 capacitor	34,2	52,9	42,4	49,6	T85
Varistor	28,2	52,1	37,6	48,9	T85
Step motor	--	33,2	--	28,1	105 (Class E)
Test corner	28,2	32,9	34,5	31,4	90
Water pump	48,6	--	46,0	--	110 (Class B)
Outdoor unit					
Discharge	85,1		73,0		Ref.
Compressor side enclosure	74,5		63,8		150
X2 capacitor	56,3		35,5		T85
Relay	55,9		40,7		T70
Outdoor fan motor	71,4		19,6		150
Electrolytic capacitor	56,7		41,2		Ref.
IPM	73,4		54,9		Ref.
Terminal block	52,9		31,4		For clause 30.1
4-way valve	57,1		94,7		110 (class B)
Internal wire to compressor	60,0		39,9		T105

PCB	52,7	35,0	T130
Power cord	54,1	30,1	75
Enclosure	50,3	26,0	85
Transformer	57,7	44,2	110 (Class B)
Varistor	57,3	35,4	T85
Inductor	89,1	64,2	Ref.
Test corner	57,7	18,9	90

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 32 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C

The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-113 TABLE: Heating test, resistance method P

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Cooling mode					
Winding of indoor fan motor	108,2	131,5	80,9	120	B
Compressor winding	400,0	451,8	58,6	140	Synthetic Insulation
4-way valve	0,70	0,89	95,4	120	B
Reactor	1724,0	2003,7	67,1	165	H
Heating mode					
Winding of indoor fan motor	108,2	130,2	77,8	120	B
Compressor winding	400,0	447,8	56,0	140	Synthetic Insulation
4-way valve	0,70	0,86	84,3	120	B
Reactor	1724,0	2253,5	104,7	165	H
Supplementary information: ---					

11.8-114	**TABLE: Heating test** Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... …:	1,06 x 240 V = 254,4 V	—
	Ambient (°C) .....:	See supplementary information	—

Thermocouple locations	Max. temperature measured, T (°C)				Max. temperature limit, T (°C)
	Cooling mode		Heating mode		
	1 MCA3U-12HRFN1-QRD0W	2 MSAFDU-24HRFN1-QRD0GW	1 MCA3U-12HRFN1-QRD0W	2 MSAFDU-24HRFN1-QRD0GW	
Indoor unit					
Indoor fan motor	28,8	71,0	44,8	67,9	150
Relay	35,2	38,7	42,9	35,1	T70
Terminal block	26,7	34,4	38,3	30,3	85 / For clause 30.1
PCB	32,4	33,6	30,7	29,4	T130
Power cord	23,5	33,4	41,3	28,6	75
Air outlet temperature	15,1	24,0	54,0	48,5	90
Transformer	33,4	41,2	42,1	38,1	110 (Class B)
X2 capacitor	34,3	53,0	43,0	49,6	T85
Varistor	28,2	52,1	37,8	48,8	T85
Step motor	--	33,3	--	28,0	105 (Class E)
Test corner	28,3	32,9	34,8	31,4	90
Water pump	48,4	--	46,2	--	110 (Class B)
Outdoor unit					
Discharge	83,6		73,1		Ref.
Compressor side enclosure	74,3		63,7		150
X2 capacitor	56,3		35,5		T85
Relay	56,0		40,7		T70
Outdoor fan motor	73,1		19,2		150
Electrolytic capacitor	56,9		41,3		Ref.
IPM	73,5		54,9		Ref.
Terminal block	53,0		31,7		For clause 30.1

4-way valve	57,1	94,7	110 (class B)
Internal wire to compressor	60,1	40,0	T105
PCB	52,7	34,3	T130
Power cord	54,1	30,3	75
Enclosure	50,4	26,0	85
Transformer	58,0	43,3	110 (Class B)
Varistor	57,4	35,1	T85
Inductor	89,5	64,0	Ref.
Test corner	57,8	19,0	90

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 32 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C

The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-114 TABLE: Heating test, resistance method P

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Cooling mode					
Winding of indoor fan motor	108,2	131,5	80,8	120	B
Winding of water pump	400,0	451,5	58,4	120	B
Compressor winding	0,70	0,89	95,4	140	Synthetic Insulation
4-way valve	1724,0	2003,7	67,1	120	B
Heating mode					
Winding of indoor fan motor	108,2	130,3	78,0	120	B
Winding of water pump	400,0	448,1	56,2	120	B
Compressor winding	0,70	0,86	84,3	140	Synthetic Insulation
4-way valve	1724,0	2253,5	104,7	120	B
Supplementary information: ---					

11.8-115	**TABLE: Heating test** Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing with alternative fan motor		P
	Test voltage (V) ..... …:	1,06 x 240 V = 254,4 V	—
	Ambient (°C) .....:	See supplementary information	—

Thermocouple locations	Max. temperature measured, T (°C)				Max. temperature limit, T (°C)
	Cooling mode		Heating mode		
	1 MCA3U-12HRFN1-QRD0W	2 MSAFDU-24HRFN1-QRD0GW	1 MCA3U-12HRFN1-QRD0W	2 MSAFDU-24HRFN1-QRD0GW	
Indoor unit					
Indoor fan motor	28,6	70,9	44,6	67,6	150
Relay	35,0	38,6	43,0	35,1	T70
Terminal block	26,7	34,3	37,8	30,3	85 / For clause 30.1
PCB	32,3	33,6	30,3	29,5	T130
Power cord	23,6	33,4	40,3	28,5	75
Air outlet temperature	15,0	24,2	43,6	48,4	90
Transformer	33,1	41,1	41,5	38,1	110 (Class B)
X2 capacitor	34,2	53,0	42,5	49,6	T85
Varistor	28,0	52,1	37,4	48,9	T85
Step motor	--	33,2	--	28,1	105 (Class E)
Test corner	28,2	32,9	34,5	31,4	90
Water pump	47,7	--	46,0	--	110 (Class B)
Outdoor unit					
Discharge	84,5		73,5		Ref.
Compressor side enclosure	74,9		63,9		150
X2 capacitor	56,1		35,6		T85
Relay	55,9		40,6		T70
Outdoor fan motor	71,2		20,9		150
Electrolytic capacitor	56,8		41,1		Ref.
IPM	73,3		54,3		Ref.
Terminal block	52,8		31,5		For clause 30.1

4-way valve	56,9	94,2	110 (class B)
Internal wire to compressor	60,0	39,6	T105
PCB	52,6	34,5	T130
Power cord	54,1	30,0	75
Enclosure	50,2	25,9	85
Transformer	57,4	43,9	110 (Class B)
Varistor	57,3	34,8	T85
Inductor	89,1	62,7	Ref.
Test corner	57,7	19,3	90

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 32 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C

The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-115 TABLE: Heating test, resistance method P

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Cooling mode					
Winding of indoor fan motor	108,2	131,5	80,9	120	B
Winding of water pump	400,0	450,4	57,7	120	B
Compressor winding	0,70	0,89	95,4	140	Synthetic Insulation
4-way valve	1724,0	2002,4	66,9	120	B
Heating mode					
Winding of indoor fan motor	108,2	130,1	77,5	120	B
Winding of water pump	400,0	447,8	56,0	120	B
Compressor winding	0,70	0,86	84,3	140	Synthetic Insulation
4-way valve	1724,0	2250,2	104,2	120	B
Supplementary information: ---					

11.8-116	**TABLE: Heating test** Outdoor unit M2OF-18HFN1-Q eqquiped with indoor unit MSABAU-09HRFN1-QRD0GW(B) and MSABBU-12HRFN1-QRD0GW(B) combinations for testing	P
	Test voltage (V) ..... …: 1,06 x 240 V = 254,4 V	—
	Ambient (°C)..... : See supplementary information	—

Thermocouple locations	Max. temperature measured, T (°C)				Max. temperature limit, T (°C)
	Cooling mode		Heating mode		
	MSABAU-09HRFN1-QRD0GW(B)	MSABBU-12HRFN1-QRD0GW(B)	MSABAU-09HRFN1-QRD0GW(B)	MSABBU-12HRFN1-QRD0GW(B)	
Indoor unit					
Indoor fan motor	67,2	65,6	80,8	60,1	150
Relay	39,1	41,4	36,8	40,8	T70
Terminal block	33,5	33,4	30,9	31,7	85 / For clause 30.1
PCB	35,4	32,0	32,9	28,8	T130
Power cord	34,9	39,7	32,2	38,4	75
Air outlet temperature	21,3	19,1	46,7	50,7	90
Transformer	41,9	40,5	40,8	39,4	110 (Class B)
X2 capacitor	42,6	49,8	40,4	47,8	T85
Varistor	42,2	43,4	40,1	41,8	T85
Step motor	31,5	31,7	30,5	29,9	105 (Class E)
Test corner	31,6	31,1	27,9	28,8	90
Outdoor unit					
Discharge	82,2		86,6		Ref.
Compressor side enclosure	81,8		85,9		150
X2 capacitor	53,2		33,3		T85
Relay	52,6		38,4		T70
Outdoor fan motor	75,3		21,2		150
Electrolytic capacitor	57,6		41,9		Ref.
IPM	70,3		44,5		Ref.
Rectifier	71,0		46,0		Ref.
Terminal block	50,9		26,6		For clause 30.1

4-way valve	56,0	92,5	110 (class B)
Internal wire to compressor	55,7	40,6	T105
PCB	56,4	32,9	T130
Power cord	53,9	31,9	75
Enclosure	48,5	26,5	85
Transformer	59,6	40,7	110 (Class B)
Varistor	54,3	34,7	T85
Inductor	59,9	42,1	Ref.
Test corner	57,4	12,6	90

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 32 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C

The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-116 TABLE: Heating test, resistance method P

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Cooling mode					
Compressor winding	1,1	1,38	92,2	140	Synthetic Insulation
4-way valve	2060,0	2385,5	66,0	120	B
Reactor	0,2	0,25	88,3	165	H
Heating mode					
Compressor winding	1,1	1,40	96,6	140	Synthetic Insulation
4-way valve	2060,0	2675,2	102,5	120	B
Reactor	0,2	0,23	64,4	165	H

Supplementary information: ---

11.8-117	TABLE: Heating test, thermocouples (Outdoor unit: M2OF-18HFN1-Q + indoor unit: MS11MU-09HRFN1-QRD0GW + indoor unit: MS11MU-12HRFN1-QRD0GW)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 26°C Heating Mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C	—
	Ambient, t2 (°C) ..... :		—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Internnection cord	34,9	39,7	32,2	38,4	75
Terminal block	33,5	33,4	31,1	32,0	For cl.30.1
Air outlet	21,5	19,1	47,1	51,3	90
Indoor fan motor	67,2	65,6	60,8	60,1	E / 105
Indoor fan motor capacitor	39,4	40,1	35,4	38,0	E / 105
Transformer winding / bobbin	41,9	40,5	40,8	39,4	B / 110
X capacitor	42,6	49,8	40,4	47,8	T85
Varistor	42,2	43,4	40,1	41,8	T85
Step fan motor	31,5	31,1	30,8	30,5	T85
Relay	39,1	41,4	36,8	40,8	T85
PCB	35,4	32,0	32,9	29,4	145
Test wall	31,6	31,1	28,2	29,3	90
Outdoor unit					
Outdoor fan motor	75,3		21,5		E / 105
Outdoor unit enclosure surface	48,7		26,6		Ref.
Compressor enclosure (top)	82,2		87,1		Ref.
Compressor enclosure (side)	81,8		86,4		Ref.
Terminal block	50,9		26,6		For cl.30.1
4-way valve winding	56,0		92,5		B / 110
Internal wire	57,3		40,6		T105
Internnection cord	54,4		33,3		75
Transformer winding / bobbin	59,6		40,7		B / 110
X capacitor	53,2		33,5		T85
PCB	56,5		32,9		145
Relay 1	52,7		38,8		T85

Relay 2	57,0	38,5	T85
Varistor	54,7	35,8	T85
Inductance winding	61,0	44,8	Ref
IPM module	73,4	45,8	Ref
Test corner	57,4	12,6	90

Supplementary information: 1: indoor unit: MS11MU-09HRFN1-QRD0GW 2: indoor unit: MS11MU-12HRFN1-QRD0GW

Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Cooling mode					
4-way valve winding	2060	2385,5	66,0	120	B
Reactor	0,20	0,25	88,3	165	H
Heating mode					
4-way valve winding	2060	2675,2	102,5	120	B
Reactor	0,20	0,23	64,4	165	H

Supplementary information: R1 was measured at 25 °C

11.8-118	TABLE: Heating test, thermocouples (Outdoor unit M2OF-14HFN1-Q drives indoor unit MSABAU-09HRFN1-QRD0GW(B) and MSABBU-12HRFN1-QRD0GW(B))		P
	Test voltage (V): ……:	254,4 V	—
	Ambient, t1 (°C): ……...:	Cooling Mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 26°C Heating Mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C	—
	Ambient, t2 (°C) ……:		—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	

Indoor unit x 2					
Internnection cord	34,1	37,3	29,7	34,7	75
Terminal block	32,4	32,4	30,3	29,5	For cl.30.1
Air outlet	26,3	26,5	43,3	44,2	90
Indoor fan motor	37,3	35,3	35,9	32,1	E / 105
Transformer winding / bobbin	38,9	38,0	38,8	36,3	B / 110
X capacitor	40,1	41,2	38,0	37,9	T85
Step fan motor	32,9	32,6	30,0	28,9	T85
Relay	43,3	24,1	42,7	45,9	T85
Enclosure	35,1	32,8	30,0	28,8	For cl.30.1
PCB	32,9	33,0	29,8	28,8	145
Test wall	32,4	32,4	29,5	28,3	90
Outdoor unit					
Outdoor fan motor	77,7	52,9	E / 105		
Outdoor unit enclosure surface	50,5	25,0	Ref.		
Compressor enclosure (top)	71,3	56,4	Ref.		
Compressor enclosure (side)	52,6	56,9	Ref.		
Terminal block	47,0	23,6	For cl.30.1		
4-way valve winding	53,0	70,0	B / 110		
Internal wire to compressor	52,6	28,8	T105		
Internnection cord	51,1	25,6	75		
Transformer winding / bobbin	55,6	39,2	B / 110		
X capacitor	29,1	38,9	T85		
PCB	62,0	16,7	145		
Relay	57,3	39,6	T85		
IPM module	72,0	52,7	Ref		
Test corner	51,6	23,2	90		
Supplementary information: 1: indoor unit: MSABAU-09HRFN1-QRD0GW(B); 2: indoor unit: MSABBU-12HRFN1-QRD0GW(B)					

11.8-119	**TABLE: Heating test** Outdoor unit M5OE-42HFN1-Q equipped with indoor unit MSAFBU-09HRDN8-QRD0GW + indoor unit MSAFBU-12HRDN8-QRD0GW + indoor unit MSAFCU-18HRFNX-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Welling) + indoor unit MTIU-12HWFNX-QRD0W.		P
	Test voltage (V) ..... :	1,06 x 240 V = 254,4 V	—
	Ambient, t_1 (°C) ..... :	See supplementary information	—
	Ambient, t_2 (°C) ..... :	See supplementary information	—

Thermocouple locations	T (℃)								Max. T (℃)
	Cooling mode				Heating mode				
	09 K	12 K	18 K	12 K	09 K	12 K	18 K	12 K	
Indoor unit x 4									
Fan motor enclosure	34,2	41,9	66,8	65,0	34,1	37,3	48,6	61,2	150
Relay	31,2	46,5	48,2	41,2	31,1	30,6	29,4	29,4	T70
Terminal block	33,7	33,1	33,0	35,0	34,5	31,2	30,9	31,3	85 / For cl.30.1
PCB	31,5	34,0	32,8	39,5	30,5	31,9	29,7	35,8	145
Air outlet temperature	28,5	25,3	25,2	25,0	41,0	41,8	42,0	42,4	90
Transformer	35,7	43,2	43,0	43,3	34,3	40,5	40,8	38,0	110 (Class B)
X2 capacitor	33,8	34,6	38,8	43,5	33,7	32,5	36,8	39,9	T85
Step motor	45,0	31,8	40,7	31,9	45,3	29,4	30,4	28,0	105 (Class E)
Test corner	31,0	31,7	32,2	32,8	31,8	30,6	29,4	29,4	90
Outdoor unit									
Discharge pipe	71,6				58,8				Ref.
Compressor side enclosure	74,2				60,3				150
X2 capacitor	50,9				34,2				T85
Relay	61,1				45,0				T70
Outdoor fan motor	77,8				17,2				150
Electrolytic capacitor	53,3				38,3				Ref.
IPM	65,8				52,5				Ref.
Bridge	62,8				50,4				Ref.
Terminal block	49,1				31,0				85 / For cl. 30.1
4-way valve	50,6				81,4				110 (Class B)
Internal wire to compressor	63,9				49,1				T105
PCB	51,9				32,7				145
Enclosure	46,5				31,4				85
Transformer	54,9				46,5				110 (Class B)
Test corner	51,7				29,6				90

Varistor	51,5	34,0	T85

Supplementary information:
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 30 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C
The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-119 **TABLE: Heating test, resistance method** P

Temperature rise of winding	R1 (Ω) 25°C	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class
Cooling					
Main winding of indoor fan motor (RPG13H)	358	447,4	89,8	115	E
Auxiliary winding of indoor fan motor (RPG13H)	362	459,6	95,0	115	E
Heating					
Main winding of indoor fan motor (RPG13H)	358	421,6	71,1	115	E
Auxiliary winding of indoor fan motor (RPG13H)	362	431,0	74,5	115	E
Supplementary information: ---					

11.8-120	**TABLE: Heating test, thermocouples** Outdoor unit M4OB-36HFN1-Q equipped with indoor unit MSAFCU-18HRFNX-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean) + indoor unit MSAFDU-24HRFNX-QRD0GW with fan motor WZDK58-38G (ZKFP-58-8-1) (Nidec).		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	See supplementary information	—
	Ambient, t2 (°C) ..... :	See supplementary information	—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Fan motor enclosure	44,2	61,7	47,0	61,0	150
Relay	47,2	42,8	47,2	38,3	T70
Terminal block	33,9	35,2	30,6	31,5	85 / For cl.30.1
PCB	33,6	38,9	29,7	36,1	145
Air outlet temperature	23,6	23,3	44,2	45,7	90
Transformer	43,3	42,8	37,5	40,1	110 (Class B)
X2 capacitor	47,4	42,8	37,5	40,1	T85
Step motor	41,6	32,6	39,3	27,9	105 (Class E)
Test corner	33,0	33,3	28,7	29,3	90
Outdoor unit					
Discharge pipe	72,6		84,2		Ref.
Compressor side enclosure	75,4		87,2		150
X2 capacitor	51,3		36,0		T85
Relay	64,6		48,9		T70
Outdoor fan motor	55,0		43,1		150
Electrolytic capacitor	76,8		18,6		Ref.
IPM	66,3		57,5		Ref.
Bridge	64,2		56,6		Ref.
Terminal block	49,2		31,3		85 / For cl. 30.1
4-way valve	50,5		91,5		110 (Class B)
Internal wire to compressor	65,4		64,2		T105
PCB	50,7		34,0		145
Enclosure	52,8		34,3		85

Transformer	49,4	32,2	110 (Class B)
Test corner	56,3	52,5	90
Varistor	52,7	35,8	T85

Supplementary information: **Supplementary information:**
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 30 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C
The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-120	TABLE: Heating test, resistance method				N/A
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**

Supplementary information: R1 was measured at 25 °C

11.8-121	**TABLE: Heating test, thermocouples** Outdoor unit M4OB-36HFN1-Q equipped with indoor unit MSAFCU-18HRFNX-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Nidec) + indoor unit MSAFDU-24HRFNX-QRD0GW with fan motor WZDK58-38G (ZKFP-58-8-1) (Broad-Ocean).	P
	Test voltage (V) ..... : 254,4 V	—
	Ambient, t1 (°C) .....: See supplementary information	—
	Ambient, t2 (°C) .....: See supplementary information	—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Fan motor enclosure	45,2	63,5	47,8	61,3	150
Relay	46,6	41,7	47,5	38,6	T70
Terminal block	33,0	34,2	31,0	31,9	85 / For cl.30.1
PCB	32,7	37,9	30,1	36,5	145
Air outlet temperature	23,1	22,6	44,6	45,9	90
Transformer	42,5	41,6	41,5	38,5	110 (Class B)
X2 capacitor	38,0	39,9	37,7	40,3	T85
Step motor	40,8	31,8	39,6	28,0	105 (Class E)
Test corner	32,3	32,5	29,1	29,5	90
Outdoor unit					
Discharge pipe	71,9		85,5		Ref.
Compressor side enclosure	75,4		87,5		150
X2 capacitor	50,2		35,9		T85
Relay	60,8		49,0		T70
Outdoor fan motor	53,3		42,8		150
Electrolytic capacitor	76,4		17,1		Ref.
IPM	64,0		59,3		Ref.
Bridge	61,7		55,5		Ref.
Terminal block	49,0		31,3		85 / For cl. 30.1
4-way valve	50,1		91,5		110 (Class B)
Internal wire to compressor	65,1		64,4		T105
PCB	50,1		33,7		145
Enclosure	51,5		34,0		85

Transformer	49,3	32,3	110 (Class B)
Test corner	55,5	53,0	90
Varistor	51,2	35,7	T85

Supplementary information: **Supplementary information:**
Cooling mode: Indoor unit: DB 32 °C, WB: 23 °C; Outdoor unit: DB 50 °C, WB: 30 °C
Heating mode: Indoor unit: DB 30 °C, WB: 19 °C; Outdoor unit: DB 24 °C, WB: 18 °C
The alternative components with the appliance were also conducted; the most unfavourable test results were recorded.

11.8-121	TABLE: Heating test, resistance method				N/A
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**

Supplementary information: R1 was measured at 25 °C

11.8-122	**TABLE: Heating test, thermocouples** Outdoor unit M2OE-14HFN1-Q with fan motor ZKFN-40-8-1L (Broad-Ocean) + indoor unit MSMAAU-09HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAFAU-09HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	See supplementary information	—
	Ambient, t2 (°C) ..... :	See supplementary information	—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Indoor fan motor	33,7	42,1	34,0	35,6	150
Air outlet	21,0	22,4	42,4	43,8	90
Transformer winding	37,5	36,4	37,0	38,1	110 (Class B)
Test corner	31,3	31,0	28,3	29,5	90
Outdoor unit					
Discharge pipe	75,8		52,8		Ref.
Motor compressor, side	73,7		51,8		140
Outdoor fan motor	64,7		25,7		150
Transformer winding	54,4		26,8		110 (Class B)
Test corner	54,9		19,0		90
Supplementary information: -----					

11.8-122	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Cooling mode					
Main winding of indoor fan motor (RPG13H)	358	405,2	59,2	115	E
Auxiliary winding of indoor fan motor (RPG13H)	362	409,8	59,3	115	E
Heating mode					
Main winding of indoor fan motor (RPG13H)	358	409,1	62,0	115	E
Auxiliary winding of indoor fan motor (RPG13H)	362	414,0	62,3	115	E
Supplementary information: R1 was measured at 25 °C					

11.8-123	**TABLE: Heating test, thermocouples** Outdoor unit M2OF-18HFN1-Q with fan motor ZKFN-40-8-1L (Broad-Ocean) + indoor unit with MSVPCU-18HRFN1-QRD0GW fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	See supplementary information	—
	Ambient, t2 (°C) ..... :	See supplementary information	—

Thermocouple locations	T (°C)		Max. T (°C)
	Cooling mode	Heating mode	
Indoor unit			
Indoor fan motor	35,6	42,3	150
Air outlet	21,2	41,2	90
Transformer winding	38,7	45,7	110 (Class B)
Test corner	32,3	38,2	90
Outdoor unit			
Discharge pipe	78,1	69,5	Ref.
Motor compressor, side	69,3	62,3	140
Outdoor fan motor	35,2	42,1	150
Transformer winding	41,2	43,7	110 (Class B)
Test corner	32,1	38,2	90
Supplementary information: -----			

11.8-123	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Supplementary information: R1 was measured at 25 °C					

11.8-124	**TABLE: Heating test, thermocouples** Outdoor unit M3OE-21HFN1-Q with fan motor ZKFN-50-8-2 (Broad-Ocean) + indoor unit MSMAAU-09HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSMABU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	See supplementary information	—
	Ambient, t2 (°C) ..... :	See supplementary information	—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Indoor fan motor	36.7	41.2	35.1	34.5	150
Air outlet	21.5	41.0	42.7	43.6	90
Transformer winding	39.5	44.9	37.8	37.3	110 (Class B)
Test corner	33.4	37.1	29.4	28.4	90
Outdoor unit					
Discharge pipe	78.9		68.7		Ref.
Motor compressor, side	70.9		60.7		140
Outdoor fan motor	36.6		40.7		150
Transformer winding	42.3		42.6		110 (Class B)
Test corner	33.0		37.3		90
Supplementary information: -----					

11.8-124	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Supplementary information: R1 was measured at 25 °C					

11.8-125	**TABLE: Heating test, thermocouples** Outdoor unit M3OE-27HFN1-Q with fan motor ZKFN-50-8-2 (Broad-Ocean) + indoor unit MSAFBU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	See supplementary information	—
	Ambient, t2 (°C) ..... :	See supplementary information	—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Indoor fan motor	37.8	42.3	36.2	35.6	150
Air outlet	21.8	41.3	43.0	43.9	90
Transformer winding	40.3	45.7	38.6	38.1	110 (Class B)
Test corner	34.5	38.2	30.5	29.5	90
Outdoor unit					
Discharge pipe	79.7		67.9		Ref.
Motor compressor, side	72.5		59.1		140
Outdoor fan motor	38.0		39.3		150
Transformer winding	43.4		41.5		110 (Class B)
Test corner	33.9		36.4		90
Supplementary information: -----					

11.8-125	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Supplementary information: R1 was measured at 25 °C					

11.8-126	**TABLE: Heating test, thermocouples** Outdoor unit M4OE-28HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Broad-Ocean) + indoor unit MSAFBU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	See supplementary information	—
	Ambient, t2 (°C) ..... :	See supplementary information	—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Indoor fan motor	38.9	43.4	37.3	36.7	150
Air outlet	22.0	41.5	43.2	44.1	90
Transformer winding	41.1	46.5	39.4	38.9	110 (Class B)
Test corner	35.6	39.3	31.6	30.6	90
Outdoor unit					
Discharge pipe	80.5		67.1		Ref.
Motor compressor, side	74.1		57.5		140
Outdoor fan motor	39.4		37.9		150
Transformer winding	44.5		40.4		110 (Class B)
Test corner	34.8		35.5		90
Supplementary information: -----					

11.8-126	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Supplementary information: R1 was measured at 25 °C					

11.8-127	**TABLE: Heating test, thermocouples** Outdoor unit M4OE-28HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Wolong) + indoor unit MSAFBU-12HRDN1-QRD0GW with fan motor RPG13H (YKFG-13-4-38L) (Green-Intelligence) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	See supplementary information	—
	Ambient, t2 (°C) ..... :	See supplementary information	—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Indoor fan motor	40.0	44.5	38.4	37.8	150
Air outlet	22.3	41.8	43.5	44.4	90
Transformer winding	41.9	47.3	40.2	39.7	110 (Class B)
Test corner	36.7	40.4	32.7	31.7	90
Outdoor unit					
Discharge pipe	81.3		66.3		Ref.
Motor compressor, side	75.7		55.9		140
Outdoor fan motor	40.8		36.5		150
Transformer winding	45.6		39.3		110 (Class B)
Test corner	35.7		34.6		90
Supplementary information: -----					

11.8-127	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Supplementary information: R1 was measured at 25 °C					

11.8-128	**TABLE: Heating test, thermocouples** Outdoor unit M4OB-36HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Broad-Ocean) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)	P
	Test voltage (V) ..... : 254,4 V	—
	Ambient, t1 (°C) ..... : See supplementary information	—
	Ambient, t2 (°C) ..... : See supplementary information	—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Indoor fan motor	31,8	41,5	35,9	36,2	150
Air outlet	22,7	23,0	44,1	44,4	90
Transformer winding	36,2	36,0	38,3	38,5	110 (Class B)
Test corner	31,2	31,3	29,7	29,8	90
Outdoor unit					
Discharge pipe	70,1		58,5		Ref.
Motor compressor, side	80,7		58,8		140
Outdoor fan motor	58,7		31,7		150
Transformer winding	58,4		30,8		110 (Class B)
Test corner	54,8		35,2		90
Supplementary information: -----					

11.8-128	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Supplementary information: R1 was measured at 25 °C					

11.8-129	**TABLE: Heating test, thermocouples** Outdoor unit M4OB-36HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Wolong) + indoor unit MSAECU-18HRFN1-QRD0GW with fan motor WZDK30-38G (ZKFP-30-8-3) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)		P
	Test voltage (V) ..... :	254,4 V	—
	Ambient, t1 (°C) ..... :	See supplementary information	—
	Ambient, t2 (°C) ..... :	See supplementary information	—

Thermocouple locations	T (°C)				Max. T (°C)
	Cooling mode		Heating mode		
	1	2	1	2	
Indoor unit x 2					
Indoor fan motor	39,2	38,8	36,5	36,9	150
Air outlet	23,3	23,5	44,7	44,9	90
Transformer winding	35,8	35,5	38,7	39,0	110 (Class B)
Test corner	31,5	31,6	30,0	30,1	90
Outdoor unit					
Discharge pipe	67,9		60,7		Ref.
Motor compressor, side	73,5		61,6		140
Outdoor fan motor	56,3		34,1		150
Transformer winding	60,0		32,4		110 (Class B)
Test corner	53,2		36,8		90
Supplementary information: -----					

11.8-129	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Supplementary information: R1 was measured at 25 °C					

11.8-130	**TABLE: Heating test, thermocouples** Outdoor unit M5OE-42HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Broad-Ocean) + indoor unit MCA3U-12HRFN1-QRD0W with fan motor WZDK46-38G (ZKFP-46-8-1) (Broad-Ocean) + indoor unit MTBU-12HWFN1-QRD0W with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)	P
	Test voltage (V) ..... :	254,4 V —
	Ambient, t1 (°C) ..... :	See supplementary information —
	Ambient, t2 (°C) ..... :	See supplementary information —

Thermocouple locations	T (°C)						Max. T (°C)
	Cooling mode			Heating mode			
	1	2	3	1	2	3	
Indoor unit x 3							
Indoor fan motor	40,5	38,2	39,9	37,2	37,5	37,8	150
Air outlet	23,8	21,1	20,4	45,2	45,5	45,8	90
Transformer winding	35,3	35,1	34,9	39,2	39,4	39,6	110 (Class B)
Test corner	31,8	31,9	32,1	30,3	30,4	30,6	90
Outdoor unit							
Discharge pipe	65,6			63,0			Ref.
Motor compressor, side	86,3			64,4			140
Outdoor fan motor	53,9			36,5			150
Transformer winding	61,6			34,0			110 (Class B)
Test corner	51,6			38,4			90
Supplementary information: -----							

11.8-130	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Supplementary information: R1 was measured at 25 °C					

11.8-131	**TABLE: Heating test, thermocouples** Outdoor unit M5OE-42HFN1-Q with fan motor WZDK120-38G-W(ZKFN-120-8-2) (Wolong) + indoor unit MCA3U-12HRFN1-QRD0W with fan motor WZDK46-38G (ZKFP-46-8-1) (Broad-Ocean) + indoor unit MTBU-12HWFN1-QRD0W with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean) + indoor unit MUE-18HRFN1-QRC8W(B) with fan motor WZDK55-38GS-W (ZKFN-55-8-1) (Broad-Ocean)	P
	Test voltage (V) ..... :	254,4 V —
	Ambient, t1 (°C) ..... :	See supplementary information —
	Ambient, t2 (°C) ..... :	See supplementary information —

Thermocouple locations	T (°C)						Max. T (°C)
	Cooling mode			Heating mode			
	1	2	3	1	2	3	
Indoor unit x 3							
Indoor fan motor	39,6	49,2	42,2	38,1	38,5	41,5	150
Air outlet	24,7	19,9	25,2	46,1	46,3	46,6	90
Transformer winding	34,7	34,4	34,2	39,8	40,1	40,3	110 (Class B)
Test corner	32,2	32,4	32,5	30,7	30,9	31,0	90
Outdoor unit							
Discharge pipe	63,0			65,6			Ref.
Motor compressor, side	70,5			68,6			140
Outdoor fan motor	50,3			40,1			150
Transformer winding	64,0			36,4			110 (Class B)
Test corner	49,2			40,8			90
Supplementary information: -----							

11.8-131	**TABLE: Heating test, resistance method**				**N/A**
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**T (°C)**	**Max. T (°C)**	**Insulation class**
Supplementary information: R1 was measured at 25 °C					

13.2	TABLE: Leakage current		P
	Heating appliances: 1,15 x rated input (W) .....:	—	—
	Motor-operated and combined appliances: 1,06 x rated voltage (V).....:	1,06 x 240 V=254,4 V	—

Leakage current between	I (mA)	Max. allowed I (mA)
Between live part and accessible parts	0,08	0,35 peak
Between live part and earthed metal enclosure	0,32	3,5
Supplementary information: the severest test result was listed.		

13.3	TABLE: Dielectric strength		P

Test voltage applied between:	Test potential applied (V)	Breakdown / flashover (Yes/No)
Between live part and accessible parts	3000	No
Between live part and earthed metal enclosure	1000	No
Supplementary information: —		

14	TABLE: Transient overvoltages					N/A
Clearance between:	Cl (mm)	Required Cl (mm)	Rated impulse voltage (V)	Impulse test voltage (V)	Flashover (Yes/No)	
Supplementary information:						

16.2	TABLE: Leakage current		P
	Single phase appliances: 1,06 x rated voltage (V) .....:	1,06 x 240 V=254,4 V	—
	Three phase appliances 1,06 x rated voltage divided by √3 (V) .....:	—	—

Leakage current between	I (mA)	Max. allowed I (mA)
Between live part and accessible parts	0,16	0,25
Between live part and earthed metal enclosure	0,48	3,5
Supplementary information: —		

16.3	TABLE: Dielectric strength	P

Test voltage applied between:	Test potential applied (V)	Breakdown / flashover (Yes/No)
Between live part and accessible parts	3000	No
Between live part and earthed metal enclosure	1000	No
Supplementary information: —		

17	TABLE: Overload protection	P

Thermocouple locations	Max. temperature rise measured, T (ºC)	Max. temperature rise limit, T (ºC)
Winding of transformer E28069 (Coin)	67,3	200
Winding of transformer E28069 (Zhizhuo)	66,2	200
Winding of transformer E28069 (Jiayang)	72,6	200
Winding of transformer E28069 (TDK)	78,3	200
Winding of transformer E28069 (Jewel)	69,2	200
Winding of transformer E28069 (Dazhong)	71,9	200
Winding of transformer E22102(Coin)	65,3	200
Winding of transformer E22102(Zhizhuo)	68,9	200
Winding of transformer E22102(Jiayang)	67,5	200
Winding of transformer E22102(Dazhong)	65,0	200
Winding of transformer E22102(Jewel)	65,4	225
Winding of transformer E22102(Zhanliang)	73,1	225
Winding of transformer E16072 (Coin)	75,3	200
Winding of transformer E16072 (Zhizhuo)	77,9	200
Winding of transformer E16072 (Jiayang)	76,8	200
Winding of transformer E16072 (Dazhong)	73,1	200
Winding of transformer E19016 (Coin)	70,1	200
Winding of transformer E19016 (Jewel)	72,6	200
Winding of transformer E19016 (Jiayang)	72,4	200
Winding of transformer E19016 (Dazhong)	69,7	200
Winding of transformer E19016 (TDK)	70,8	200
Winding of transformer TT2-C30D70-2F (Dazhong)	169,3	225
Winding of transformer TT2-C30D70-2F (Zhanliang)	162,5	225

Winding of transformer TT2-C50+D35-1F(Dazhong)	162,9	225
Winding of transformer TT2-C50+D35-1F (Zhanliang)	158,2	225
Winding of transformer EE2515P431 (Coin)	57,4	200
Winding of transformer EE2515P431 (Jiayang)	59,7	200
Winding of transformer EE2515P431 (TDK)	62,1	200
Winding of transformer E25043(Coin)	61,4	225
Winding of transformer E25043(TDK)	67,5	225
Winding of transformer E25043(Ruichuang)	65,3	225
Winding of transformer E25043(Jewel)	65,1	225
Winding of transformer E25043(Jiayang)	66,4	225
Winding of transformer E22084 (coin)	71,2	225
Winding of transformer E22084 (jiayang)	67,5	225
Winding of transformer E22084 (jewel)	68,3	225
Winding of transformer E22084 (ruichuang)	70,2	225
Winding of transformer E22084 (TDK)	66,7	225
Winding of transformer E22084 (zhanliang)	68,5	225
Winding of transformer EE25(5+5)3/P5-1100L2 (coin)	67,6	225
Winding of transformer EE25(5+5)3/P5-1100L2 (Jiayang)	86,1	225
Winding of transformer EE25(5+5)3/P5-1100L2 (Ruichuang)	65,7	175
Supplementary information: —		

19	**Abnormal operation conditions**	P
Operational characteristics	YES/NO	Operational conditions
Are there electronic circuits to control the appliance operation?	YES	---
Are there “off” or “stand-by” position?	YES	---
The unintended operation of the appliance results in dangerous malfunction?	NO	---

Sub-clause	Operating conditions description	Test results description	PEC description	EMP 19.11.4	Software type required	19.11.3 PEC	Final result
19.2	**(1)**	No hazard observed, measured	N.A	N.A	N.A	N.A	P

		temperature below limit					
19.3	N.A	N.A	N.A	N.A	N.A	N.A	N.A
19.4	N.A	N.A	N.A	N.A	N.A	N.A	N.A
19.5	**(4)**	No hazard observed, measured temperature below limit	N.A	N.A	N.A	N.A	P
19.6	N.A	N.A	N.A	N.A	N.A	N.A	N.A
19.7	**(5)**	No hazard observed, measured temperature below limit	N.A	N.A	N.A	N.A	P
19.8	N.A	N.A	N.A	N.A	N.A	N.A	N.A
19.9	N.A	N.A	N.A	N.A	N.A	N.A	N.A
19.10	**(2)**	No hazard observed, measured temperature below limit	N.A	N.A	N.A	N.A	P
19.11.2	**(3)**	No hazard observed, measured temperature below limit	N.A	N.A	N.A	N.A	P
19.11.4.8	N.A	N.A	N.A	N.A	N.A	N.A	N.A
19.10X	N.A	N.A	N.A	N.A	N.A	N.A	N.A

Supplementary information:

(1) Locked the fan motor rotor and operated for 15 days;
(2) OC and SC fan motor running capacitor and compressor running capacitor;
(3) Simulated every one fault at a time and until steady condition or ended if a interruption occur;
(4) Restricted the air inlet of outdoor exchanger and indoor exchanger;
(5) Dry-bulb temperature increased 10K above the maximum temperature in cooling mode

Dry-bulb temperature reduced 5K below the minimum temperature in heating mode

19.2	**TABLE: Abnormal operation, locked rotor/moving parts**	P

Temperature of winding	Measured temperature(°C)	required temperature(°C)	Insulation class
Fan motor winding WZDK50-38G (Welling)	26,3	200	E
Fan motor enclosure WZDK50-38G (Welling)	24,9	150	E
Fan motor winding WZDK50-38G (Nidec Shibaura)	26,8	200	E
Fan motor enclosure WZDK50-38G (Nidec Shibaura)	25,5	150	E

Fan motor winding WZDK72-38G (Welling)	25,1	200	E
Fan motor enclosure WZDK72-38G (Welling)	24,9	150	E
Fan motor winding WZDK72-38G (Nidec Shibaura)	24,0	200	E
Fan motor enclosure WZDK72-38G (Nidec Shibaura)	24,0	150	E
Fan motor winding WZDK72-38G (Panasonic)	24,0	200	E
Fan motor enclosure WZDK72-38G (Panasonic)	24,0	150	E
Fan motor winding WZDK180-38G (Welling)	25,4	200	E
Fan motor enclosure WZDK180-38G (Welling)	24,9	150	E
Fan motor winding WZDK180-38G (Nidec Shibaura)	24,0	200	E
Fan motor enclosure WZDK180-38G (Nidec Shibaura)	24,0	150	E
Fan motor winding WZDK180-38G (Panasonic)	24,0	200	E
Fan motor enclosure WZDK180-38G (Panasonic)	24,0	150	E
Fan motor winding WZDK20-38G (Welling)	26,2	200	E
Fan motor enclosure WZDK20-38G (Welling)	24,5	150	E
Fan motor winding WZDK20-38G (Nidec Shibaura)	25,8	200	E
Fan motor enclosure WZDK20-38G (Nidec Shibaura)	24,5	150	E
Fan motor winding WZDK20-38G (Panasonic)	25,2	200	E
Fan motor enclosure WZDK20-38G (Panasonic)	24,1	150	E
Fan motor winding RPG20D (Welling)	119,0	200	E
Fan motor enclosure RPG20D (Welling)	99,0	150	E
Fan motor winding RPG20D (Broad-Ocean)	98,3	200	E
Fan motor enclosure RPG20D (Broad-Ocean)	73,0	150	E
Fan motor winding RPG20D (Tongde)	116,8	200	E
Fan motor enclosure RPG20D (Tongde)	88,1	150	E
Fan motor winding RPG20D (Wolong)	102,3	200	E
Fan motor enclosure RPG20D (Wolong)	91,2	150	E
Fan motor winding WZDK37-38G (Welling)	26,6	200	E
Fan motor enclosure WZDK37-38G (Welling)	24,9	150	E
Fan motor winding WZDK37-38G (Nidec Shibaura)	27,3	200	E
Fan motor enclosure WZDK37-38G (Nidec Shibaura)	25,8	150	E

Fan motor winding WZDK37-38G (Panasonic)	26,6	200	E
Fan motor enclosure WZDK37-38G (Panasonic)	25,7	150	E
Fan motor winding WZDK27-38G (Welling)	26,8	200	E
Fan motor enclosure WZDK27-38G (Welling)	24,9	150	E
Fan motor winding WZDK27-38G (Nidec Shibaura)	27,0	200	E
Fan motor enclosure WZDK27-38G (Nidec Shibaura)	25,0	150	E
Fan motor winding WZDK27-38G (Panasonic)	27,3	200	E
Fan motor enclosure WZDK27-38G (Panasonic)	26,0	150	E
Fan motor winding WZDK30-38G (Welling)	26,3	200	E
Fan motor enclosure WZDK30-38G (Welling)	25,9	150	E
Fan motor winding WZDK30-38G (Nidec Shibaura)	26,3	200	E
Fan motor enclosure WZDK30-38G (Nidec Shibaura)	25,5	150	E
Fan motor winding WZDK30-38G (Panasonic)	27,2	200	E
Fan motor enclosure WZDK30-38G (Panasonic)	25,6	150	E
Fan motor winding YDK37-4P (Welling)	116,0	215	B
Fan motor enclosure YDK37-4P (Welling)	96,5	150	B
Fan motor winding YDK37-4P (Broad-Ocean)	113,7	215	B
Fan motor enclosure YDK37-4P (Broad-Ocean)	98,5	150	B
Fan motor winding YSK68-4P (Welling)	149,5	215	B
Fan motor enclosure YSK68-4P (Welling)	125,0	150	B
Fan motor winding YSK68-4P (Broad-Ocean)	136,3	215	B
Fan motor enclosure YSK68-4P (Broad-Ocean)	113,5	150	B
Fan motor winding WZDK50-38G(Panasonic)	38,9	200	E
Fan motor enclosure WZDK50-38G(Panasonic)	27,0	150	E
Fan motor winding RD-280-20-8A (Nidec Shibaura)	37,6	200	E
Fan motor enclosure RD-280-20-8A (Nidec Shibaura)	27,8	150	E
Fan motor winding RD-280-20-8A(Panasonic)	36,3	200	E
Fan motor enclosure RD-280-20-8A(Panasonic)	30,0	150	E
Fan motor winding RD-280-20-8A (Welling)	37,1	200	E
Fan motor enclosure RD-280-20-8A (Welling)	31,5	150	E

Fan motor winding RPG20E (Welling)	119,0	215	E
Fan motor enclosure RPG20E (Welling)	97,0	150	E
Fan motor winding RPG20E (Broad-Ocean)	116,3	215	E
Fan motor enclosure RPG20E (Broad-Ocean)	92,5	150	E
Fan motor winding RPG20E (Tongde)	102,7	215	E
Fan motor enclosure RPG20E (Tongde)	75,0	150	E
Fan motor winding RPG20E (Wolong)	99,9	215	E
Fan motor enclosure RPG20E (Wolong)	88,0	150	E
Fan motor winding WZDK40-38G-W-1 (Welling)	27,9	215	E
Fan motor enclosure WZDK40-38G-W-1 (Welling)	25,2	150	E
Fan motor winding WZDK40-38G-W-1 (Nidec Shibaura)	28,1	215	E
Fan motor enclosure WZDK40-38G-W-1 (Nidec Shibaura)	24,1	150	E
Fan motor winding WZDK40-38G-W-1 (Panasonic)	27,3	215	E
Fan motor enclosure WZDK40-38G-W-1 (Panasonic)	25,9	150	E
Fan motor winding RPG28D (Welling)	119,0	215	E
Fan motor enclosure RPG28D (Welling)	98,0	150	E
Fan motor winding RPG28D (Broad-Ocean)	102,1	215	E
Fan motor enclosure RPG28D (Broad-Ocean)	78,0	150	E
Fan motor winding RPG28D (Tongde)	112,5	215	E
Fan motor enclosure RPG28D (Tongde)	100,4	150	E
Fan motor winding RPG28D (Wolong)	110,2	215	E
Fan motor enclosure RPG28D (Wolong)	91,6	150	E
Fan motor winding RPG28D (Xinya)	113,5	215	E
Fan motor enclosure RPG28D (Xinya)	101,1	150	E
Fan motor winding RPG28D (Baoli)	111,5	215	E
Fan motor enclosure RPG28D (Baoli)	100,2	150	E
Fan motor winding WZDK46-38G (Welling)	27,3	215	E
Fan motor enclosure WZDK46-38G (Welling)	28,6	150	E
Fan motor winding WZDK46-38G (Nidec Shibaura)	26,9	215	E
Fan motor enclosure WZDK46-38G (Nidec Shibaura)	27,3	150	E

Fan motor winding WZDK46-38G (Panasonic)	27,5	215	E
Fan motor enclosure WZDK46-38G (Panasonic)	28,2	150	E
Fan motor winding YDK27-4P (Welling)	139,4	215	B
Fan motor enclosure YDK27-4P (Welling)	120,3	150	B
Fan motor winding WZDK58-38G (Welling)	26,5	215	E
Fan motor enclosure WZDK58-38G (Welling)	25,3	150	E
Fan motor winding WZDK58-38G (Broad-Ocean)	26,7	215	E
Fan motor enclosure WZDK58-38G (Broad-Ocean)	25,2	150	E
Fan motor winding WZDK58-38G (Shibaura)	26,8	215	E
Fan motor enclosure WZDK58-38G (Shibaura)	25,5	150	E
Fan motor winding WZDK58-38G (Panasonic)	26,2	215	E
Fan motor enclosure WZDK58-38G (Panasonic)	25,1	150	E
Fan motor winding WZDK90-38GS-W (Welling)	31,6	215	E
Fan motor enclosure WZDK90-38GS-W (Welling)	30,5	150	E
Fan motor winding WZDK90-38GS-W (Broad-Ocean)	31,5	215	E
Fan motor enclosure WZDK90-38GS-W (Broad-Ocean)	30,3	150	E
Fan motor winding WZDK90-38GS-W (Shibaura)	31,5	215	E
Fan motor enclosure WZDK90-38GS-W (Shibaura)	30,7	150	E
Fan motor winding WZDK90-38GS-W (Panasonic)	30,6	215	E
Fan motor enclosure WZDK90-38GS-W (Panasonic)	29,4	150	E
Fan motor winding RPG45C (Welling)	109,8	225	B
Fan motor enclosure RPG45C (Welling)	99,8	150	B
Fan motor winding RPG45C (Broad-Ocean)	112,3	225	B
Fan motor enclosure RPG45C (Broad-Ocean)	98,7	150	B
Fan motor winding RPG45C (Dongfang)	112,5	225	B
Fan motor enclosure RPG45C (Dongfang)	97,6	150	B
Fan motor winding RPG45C (Panasonic)	113,2	225	B
Fan motor enclosure RPG45C (Panasonic)	98,8	150	B
Fan motor winding WZDK120-38G-W (Welling)	27,9	215	E
Fan motor enclosure WZDK120-38G-W (Welling)	26,8	150	E

Fan motor winding ZKFN-50-8-2 (Welling)	27,8	215	E
Fan motor enclosure ZKFN-50-8-2 (Welling)	27,3	150	E
Fan motor winding ZKFN-55-8-1 (Welling)	26,1	215	E
Fan motor enclosure ZKFN-55-8-1 (Welling)	25,2	150	E
Fan motor winding ZKFN-40-8-1L (Welling)	29,1	215	E
Fan motor enclosure ZKFN-40-8-1L (Welling)	26,4	150	E
Fan motor winding ZKFN-40-8-1L (Tongda)	27,5	200	E
Fan motor enclosure ZKFN-40-8-1L (Tongda)	25,3	150	E
Winding of fan motor ZKFN-40-8-1L (Shibaura)	27,9	215	E
Enclosure of fan motor ZKFN-40-8-1L (Shibaura)	25,7	150	E
Fan motor winding ZKFN-40-8-1L (Broad-Ocean)	28,4	165	E
Fan motor enclosure ZKFN-40-8-1L (Broad-Ocean)	26,2	150	E
Winding of fan motor RPG13H (Welling)	106,0	215	E
Enclosure of fan motor RPG13H (Welling)	96,5	150	E
Winding of fan motor RPG13H (Broad-Ocean)	118,5	215	E
Enclosure of fan motor RPG13H (Broad-Ocean)	98,0	150	E
Winding of fan motor RPG13H (Tongde)	104,2	215	E
Enclosure of fan motor RPG13H (Tongde)	93,0	150	E
Winding of fan motor WZDK30-38G (Broad-Ocean)	26,5	215	E
Enclosure of fan motor WZDK30-38G (Broad-Ocean)	25,5	150	E
Louver motor; Maximum temp.	48,7	150	E
Supplementary information: ---			

19.14-1	TABLE: Abnormal operation (Configuration 1)	P

Temperature T of part / at:	T (°C)	Required T (°C)
Power cord	61,6	175
Test corner	65,5	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances could not operate in low-temp. ambient and operated normally in high-temp. ambient according to standard and no hazard was found.
3. For 19.10/ 19.11, the fault conditions:
   1) Open/ short-circuit the capacitor of fan motors were simulated, the most unfavourable test results were recorded.
   2) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-2	TABLE: Abnormal operation (Configuration 2)	P

Temperature T of part / at:	T (°C)	Required T (°C)
Power cord	63,5	175
Test corner	66,3	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances could not operate in low-temp. ambient and operated normally in high-temp. ambient according to standard and no hazard was found.
3. For 19.10/ 19.11, the fault conditions:
   3) Open/ short-circuit the capacitor of fan motors were simulated, the most unfavourable test results were recorded.
   4) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-3	TABLE: Abnormal operation (Configuration 3)	P

Temperature T of part / at:	T (°C) M2OD-14HFN1-Q	T (°C) M3OD-21HFN1-Q	Required T (°C)
Power cord	60,3	61,0	175
Test corner	65,2	66,8	175
Temperature T of part / at:	T (°C) M4OD-28HFN1-Q	T (°C) M5OC-36HFN1-Q	Required T (°C)
Power cord	60,9	60,7	175
Test corner	63,2	63,6	175

Supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances could not operate in low-temp. ambient and operated normally in high-temp. ambient according to standard and no hazard was found.
3. For 19.10/ 19.11, the fault conditions:
   5) Open/ short-circuit the capacitor of fan motors were simulated, the most unfavourable test results were recorded.
   6) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-4	TABLE: Abnormal operation (M2OD-18HFN1-Q)			P
Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	26,7	44,4	45,5	175
Enclosure	24,1	60,5	50,2	Ref.
Test corner	25,8	44,4	34,9	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances could operate in low-temp. ambient and operated normally in high-temp. ambient according to standard and no hazard was found.
3. For 19.10/ 19.11, the fault conditions:
   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-5	TABLE: Abnormal operation (M3OD-26HFN1-Q)			P
Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	29,9	60,2	52,8	175
Enclosure	29,8	58,2	49,7	Ref.
Test corner	45,7	60,5	50,4	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances could operate in low-temp. ambient and could ont operated normally in high-temp. ambient according to standard and no hazard was found.
3. For 19.10/ 19.11, the fault conditions:

   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.

4. The most unfavourable test results were recorded.

19.14-6	TABLE: Abnormal operation Outdoor unit M2OD-16HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing			P
Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	44,2	63,9	38,3	175
Enclosure	27,4	63,6	35,5	For cl.30.1
Test corner	27,3	64,1	29,2	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:

   7) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.

4. The most unfavourable test results were recorded.

19.14-7	TABLE: Abnormal operation Outdoor unit M2OE-18HFN1-Q eqquiped with indoor unit MCA3I-09HRFN1-QRC8 and MCA3I-18HRDN1-QRC8 combinations for testing			P
Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	43,8	61,1	34,2	175
Enclosure	34,8	59,8	29,3	For cl.30.1
Test corner	29,6	58,9	34,4	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-8	TABLE: Abnormal operation Outdoor unit M50D-42HFN1-Q eqquiped with indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW and MSTCCU-18HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	32,5	59,5	44,9	175
Enclosure	27,5	59,9	28,9	For cl.30.1
Test corner	25,6	60,3	32,0	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-9	TABLE: Abnormal operation Outdoor unit M50D-42HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABBU-12HRDN1-QRC8GW and MSABDU-18HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	28,6	60,8	27,6	175
Enclosure	25,8	59,4	23,9	For cl.30.1
Test corner	26,4	59,9	23,3	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-10	TABLE: Abnormal operation Outdoor unit M50C-36HFN1-Q eqquiped with indoor unit MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B) and MUE-18HRFN1-QRC8W(B) combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	29,4	60,5	48,6	175
Enclosure	27,7	58,4	48,1	For cl.30.1
Test corner	30,1	64,3	48,8	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-11	TABLE: Abnormal operation Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MCABEU-24HRDN1-QRC8GW and MSMBAU-09HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	27,5	59,0	51,0	175
Enclosure	40,8	57,4	50,5	Ref.
Test corner	42,6	58,9	50,8	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   8) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-12	TABLE: Abnormal operation Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW and MSMBAU-09HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	24,0	59,7	51,1	175
Enclosure	37,5	57,8	49,5	Ref.
Test corner	44,5	59,2	50,5	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   2) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-13	TABLE: Abnormal operation Outdoor unit M5OD-42HFN1-Q eqquiped with indoor unit MCA3I-07HRFN1-QRC8, MS12FU-09HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MTB-24HWFN1-QRC8W(B) and MSMBAU-09HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	24,6	57,6	51,2	175
Enclosure	38,6	56,2	51,0	Ref.
Test corner	41,6	42,3	51,3	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   2) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-14	TABLE: Abnormal operation M3OE-27HFN1-Q eqquiped with indoor unit MSABAU-07HRFN1-QRD0GW, MS12FU-12HRDN1-QRD0GW(C) and MCA3I-18HRDN1-QRC8 combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	30,5	48,3	46,0	175
Enclosure	26,7	42,4	32,6	Ref.
Test corner	26,1	42,2	32,5	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   9) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-15	TABLE: Abnormal operation Outdoor unit M4OE-28HFN1-Q eqquiped with indoor unit MTBI-07HWFN1-QRD0, MTBI-09HWFN1-QRD0, MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	26,5	43,1	41,8	175
Enclosure	24,1	42,4	33,1	Ref.
Test corner	28,7	42,0	32,2	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   3) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-16	TABLE: Abnormal operation Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSAEAU-09HRFN1-QRD0GW, MSAEBU-12HRFN1-QRD0GW, MSAECU-18HRFN1-QRD0GW and MSAEDU-24HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	27,2	46,7	39,2	175
Enclosure	24,3	43,9	32,1	Ref.
Test corner	37,7	43,6	50,4	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   3) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-17	TABLE: Abnormal operation Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MSVPBU-09HRFN1-QRD0GW, MSVPBU-12HRFN1-QRD0GW, MSVPCU-18HRFN1-QRD0GW and MSVPDU-24HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	30,9	45,2	38,8	175
Enclosure	26,7	42,5	32,3	Ref.
Test corner	26,0	41,9	50,3	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-18	TABLE: Abnormal operation Outdoor unit M5OE-42HFN1-Q eqquiped with indoor unit MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-18HRFN1-QRD0GW, MTBI-18HWDN1-QRC8 and MCA3U-12HRFN1-QRD0W combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	27,8	59,4	50,9	175
Enclosure	24,8	59,0	49,4	Ref.
Test corner	38,9	64,5	50,0	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-19	TABLE: Abnormal operation Outdoor unit M2OF-18HFN1-Q eqquiped with indoor unit MS11MU-09HRFN1-QRD0GW and MS11MU-12HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at:	T (°C)			Required T (°C)
	1	2	3	
Power cord	27,0	45,1	37,9	175
Enclosure	31,1	41,8	31,6	Ref.
Test corner	32,6	42,0	30,8	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-20	TABLE: Abnormal operation Outdoor unit: M3OE-21HFN1-Q + indoor unit 1: MCA3I-07HRFN1-QRC8 + indoor unit 2: MTBI-07HWFN1-QRD0 + indoor unit 3: MS11MU-09HRFN1-QRD0GW.	P

Temperature T of part / at:	T (°C)	Required T (°C)
Enclosure	59,2	Ref.
Test corner	59,7	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   10) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-21	TABLE: Abnormal operation Outdoor unit: M2OE-14HFN1-Q + indoor unit 1: MCA3I-07HRFN1-QRC8 + indoor unit 2: MTBI-07HWFN1-QRD0.	P

Temperature T of part / at:	T (°C)	Required T (°C)
Enclosure	58,9	Ref.
Test corner	58,8	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/ 19.11, the fault conditions:
   4) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

19.14-22	TABLE: Abnormal operation Outdoor unit M3OE-27HFN1-Q eqquiped with indoor unit MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW and MSAFCU-18HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at :	T (℃)			Required T (℃)
	1	2	3	
Enclosure	25,1	60,3	49,0	For cl.30.1
Test corner	39,3	60,4	53,9	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/19.11, the fault conditions:
   1) Open/ short-circuit fan motor capacitor was simulated; the most unfavorable test results were recorded.
   2) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.

The most unfavourable test results were recorded.

19.14-23	TABLE: Abnormal operation Outdoor unit M4OB-36HFN1-Q eqquiped with indoor unit MCA3U-12HRFN1-QRD0W and MSAFDU-24HRFN1-QRD0GW combinations for testing	P

Temperature T of part / at :	T (℃)			Required T (℃)
	1	2	3	
Enclosure	31,4	59,9	50,2	For cl.30.1
Test corner	30,5	60,2	50,0	175

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances were operated normally and no hazard was found
3. For 19.10/19.11, the fault conditions:
   1) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.

The most unfavourable test results were recorded.

19.14-24	TABLE: Abnormal operation, (Outdoor unit M2OF-14HFN1-Q drives indoor unit MSABAU-09HRFN1-QRD0GW(B) and MSABBU-12HRFN1-QRD0GW(B))	P

Temperature T of part / at:	T (°C)	Required T (°C)
Interconnection cord	34,3	175
Test corner	31,5	175
Enclosure	33,6	For cl.30.1

supplementary information:

1. For 19.5, the fault condition will render the protection of compressor protector and interrupt of operation or normal operation, no hazard was found.
2. For 19.7, the appliances could not operate in low-temp. ambient and operated normally in high-temp. ambient according to standard and no hazard was found.
3. For 19.10/ 19.11, the fault conditions:
   1) Disconnected one phase of compressor, appliance can not operate, no hazard was found.
   2) Short-circuit the cut-out sensors or communication lines, appliance can not operate, no hazard was found.
4. The most unfavourable test results were recorded.

21.1	TABLE: Impact resistance		P
Impacts per surface	Surface tested	Impact energy (Nm)	Comments
3	Plastic enclosure, display panel	0,5 J	Pass
3	Fan guard	0,5 J	Pass
Supplementary information: —			

24.1	TABLE: Critical components information				P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity[1)]
Outdoor unit; A: M3OD-27HFN1-Q; B: M2OD-18HFN1-Q; C: M4OA-36HFN1-Q; D: M2OD-14HFN1-Q; E: M3OD-21HFN1-Q; F: M4OD-28HFN1-Q; G: M5OC-36HFN1-Q; H: M2OE-18HFN1-Q (with new construction); I: M3OD-26HFN1-Q; J: M2OD-16HFN1-Q; K: M5OD-42HFN1-Q					
Outdoor fan motor for A, F	Panasonic Industrial(China) Co., Ltd.	WZDK72-38G (ZKFP-72-8-1)	310 VDC; 72 W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang)Corp. Rotation	WZDK72-38G (ZKFP-72-8-1)	310 VDC; 72 W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK72-38G (ZKFP-72-8-1)	310 VDC; 72 W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor fan motor for B, D, E, I	Panasonic Industrial (China) Co., Ltd.	WZDK50-38G (ZKFP-50-8-2)	310 VDC; 50 W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp. Rotation	WZDK50-38G (ZKFP-50-8-2)	310 VDC; 50 W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK50-38G (ZKFP-50-8-2)	310 VDC; 50 W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor fan motor for C, G, K	Panasonic Industrial(China) Co., Ltd.	WZDK180-38G (ZKFP-180-8-1)	310 VDC; 180 W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Nidec Shibaura (Zhejiang)Corp. Rotation	WZDK180-38G (ZKFP-180-8-1)	310 VDC; 180 W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK180-38G (ZKFP-180-8-1)	310 VDC; 180 W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor fan motor for H, J	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK40-38G-W-1 (ZKFN-40-8-3-1)	DC310V; 40W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic Motor (Hangzhou) Co., Ltd (Panasonic)	WZDK40-38G-W-1 (ZKFN-40-8-3-1)	DC310V; 40W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp. Rotation	WZDK40-38G-W-1 (ZKFN-40-8-3-1)	DC310V; 40W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Compressor For B, E, I	Guangdong Meizhi Compressor Limited	DA150S1C-20FZ	R410A	IEC/EN 60335-2-34	CCC 2008010704 313689
Compressor For A, F	Guangdong Meizhi Compressor Limited	DA250S2C-30MT	R410A	IEC/EN 60335-2-34	CCC 2010010704 400848
Compressor For C, G	Mitsubishi	TNB306FPG MC-L	R410A	IEC/EN 60335-2-34	TUV Rh R 50084621
Compressor For D, H	Guangdong Meizhi Compressor Limited	DA130M1C-31FZ	R410A	IEC/EN 60335-2-34	CCC 2012010704 583063
Compressor for J	Guangdong Meizhi Compressor Limited	ASN108D22UEZ	18~120Hz; R410A	IEC/EN 60335-2-34	CCC 2013010704 648130
Compressor for K	Mitsubishi	MNB36FAAMC-L	39-328V; 30-360Hz; R410A	IEC/EN 60335-2-34	TUV Rh R 50224588
4-way valve for A, B, D, E, F, H, I, J	Zhejiang Dunan Hetian Metal Co., Ltd	DSF-9-R410A	AC220-240V; 50/60Hz; 7/5W; Class B	IEC/EN 60730-1	VDE 40013212
(Alternative)	Zhejiang Sanhua Climate & Appliance Controls Group Co., Ltd (Zhejiang Sanhua Group Co., Ltd.)	SHF-7H-34U or SHF-7H-34U-P	AC220-240V; 50/60Hz; 4,5/3,5W; Class B	IEC/EN 60730-1	VDE 40003240
(Alternative)	Anhui Tianda Electronic Science & Technology Co., Ltd	DSF-9-R410A	AC220-240V; 50/60Hz; 5-8W; Class B	IEC/EN 60730-1	TUV PS B030744665003

(Alternative)	Zhejiang Chunhui Intelligent Control Co., Ltd	DHF-9	AC220-240V; 50/60Hz; 4-7W; Class B	IEC/EN 60730-1	TUV Rh B08014776 1012
(Alternative)	Henan Yuanquan Electron Co., Ltd.	DSF-09	AC220-240V; 50/60Hz; 5,5W/3,5W; Class B	EN/IEC 60730-1	VDE 15053320
(Alternative)	Foshan Hualu Automatic Controls Ltd	STF-0201G	AC220-240V; 50/60Hz; 6/5W; Class B	IEC/EN 60730-1	VDE
(Alternative)	Zhongshan City Gangli Refrigeration Fittings Co., Ltd.	SHF-7 R410A	AC220-240V; 50/60Hz; 4.5/3.5W; Class B	EN/IEC 60730-1	VDE 40026249
(Alternative)	Zhejiang Dun'an Artificial Environment Co. Ltd.,	DSF-9-R410A	AC220-240V; 50/60Hz; 7/5W; Class B	EN/IEC 60730-1	VDE 40013212
4-way valve For C, G, K	Zhejiang Dunan Hetian Metal Co., Ltd	DSF-20-R410A	AC220-240V; 50/60Hz; 7/5W; Class B	IEC/EN 60730-1	VDE
(Alternative)	Zhejiang Sanhua Climate & Appliance Controls Group Co., Ltd.	SHF series	220~240V; 4,5~3,5W	IEC/EN 60730-1	VDE
(Alternative)	Zhejiang Dun'an Artificial Environment Co. Ltd.,	DSF-20-R410A	AC220-240V; 50/60Hz; 7/5W; Class B	EN/IEC 60730-1	VDE 40013212
Outdoor terminal block	Hoppy Industrial Co., Ltd	HP-T3020C (HP-T3020C-1-6P-CL0)	JXZ-PD6Z-C; 400VAC;24A	EN 60335-1 EN 60335-2-40	TUV Rh R50019851
(Alternative)	Hoppy Industrial Co., Ltd	HP-T3020C (HP-T3020C-1-9P-CL0)	JXZ-PD9Z-C; 400VAC;24A	EN 60335-1 EN 60335-2-40	TUV Rh R50019851
Terminal block 2 for K	Zhong Shan Shi Jointec Electronics Co., Ltd.	RS9211K	450VAC; 4mm^2	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Yueqing Jingge Electric Co., Ltd	JGD-ZR2-B-2	660V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Chanchenc Kaidu Electric Products Co., Ltd.	JX-O-a	450V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co., Ltd.	YF2003B	450V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor Controller for A, B, D, E, F, I	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR80 W/BP3T4N1(DC MOTOR)-310.D.03.WP 1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance

Outdoor Controller for C	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR80W/BP3T4N1-310.D.03.WP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor Controller for G, K	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR105W/BP3T5N1-520-[X].D.13.WP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor Inverter Controller for A,B, D,E, F, I	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR80W/BP2T4N1-310[B].D.13.MP1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor Inverter Controller for C, G, K	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR105W/BP2T3N1-310(767).D.13.MP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
PFC Controller for C, G, K	GD Midea Air-Conditioning Equipment Co., Ltd.	PFC-STK760-216-E.D.1.1.1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor Controller for H, J	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR48W/BP2(BP3)(IR311+UPD78F0533).D.13.WP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor transformer for A, B, C, D, E, F, I, K	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd).	E28069	EI28; 212,1~373,3 VDC; output: 17VDC; 11VDC; 9VDC; 5VDC; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Zhizhuo	E28069	EI28; 212,1~373,3 VDC; output: 17VDC; 11VDC; 9VDC; 5VDC; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang Core New-Tech Co., Ltd.	E28069	EI28; 212,1~373,3 VDC; output: 17VDC; 11VDC; 9VDC; 5VDC; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Tdk	E28069	EI28; 212,1~373,3 VDC; output: 17VDC; 11VDC; 9VDC; 5VDC; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd	E28069	EI28; 212,1~373,3 VDC; output:17 VDC; 11VDC; 9VDC; 5VDC; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Dongguang Dazhong	E28069	EI28; 212,1~373,3 VDC; output:17 VDC; 11VDC; 9VDC; 5VDC; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor transformer for H, J	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	EE2515P431	EE25; input: 85~264VAC; output: 12V/850mA; 17V/0,1A; 17V/0,15A; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maansha n Coiner Electronics Co Ltd).	EE2515P431	EE25; input: 85~265VAC; output: 12V/850mA; 17V/0,1A; 17V/0,15A; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Tdk Xiamen Co.,Ltd	EE2515P431	EE25; input: 85~265VAC; output: 12V/850mA; 17V/0,1A; 17V/0,15A; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor fuse I	Shanghai Songshan Electronic Co.,Ltd	RT1	T30AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Hollyland Co.,Ltd.	65T or T	T30AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Hollyland Co., Ltd.	61T	T30AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	611	T30AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	614	T30AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor Fuse II except J	Shanghai Songshan Electronic Co.,Ltd	RT1	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE 138756
(Alternative)	Hollyland Co.Ltd	50T	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE 139231
(Alternative)	Shanghai Songshan Electronic Co, Ltd	RT1-20	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE 138756
(Alternative)	Wholesome Electronic &Electric Products Co., Ltd	50T	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618-Serie(s)	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE 40014776
(Alternative)	Wickmann-Werke Gmbh	195	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE 40005868

(Alternative)	Walter Electronic Co.,Ltd.	TSD	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE 40001375
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE 40019022
(Alternative)	Wholesome Electronic &Electric Products Co., Ltd	50T	T 5AL; 250VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE
Outdoor Fuse II for J	Shanghai Songshan Electronic Co., Ltd	RT1	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Hollyland Co., Ltd.	65T or T	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Hollyland Co., Ltd.	61T	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	611	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co., Ltd.	614	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor Fuse III for G, K	Shanghai Songshan Electronic Co.,Ltd	RT1	T3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Hollylandco.Ltd	50T	T3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Shanghai Songshan Electronic Co, Ltd	RT1-20	T3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wholesome Electronic &Electric Products Co., Ltd	50T	T3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618-Serie(s)	T3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wickmann-Werke Gmbh	195	T3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Walter Electronic Co.,Ltd.	TSD	T3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Fan motor relay I for all model	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493

(Alternative)	Dongguan Churod Electronics Co,,Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV Rh R 50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV Rh R 50232867
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN/IEC 61810-1	VDE40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50031793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A; 10E4, T85;	EN/IEC 61810-1	TÜV Rh R 50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 10E4	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; 1E5, T mark: 90°C	EN/IEC 61810-1	VDE 40009151
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50192519
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50192519
(Alternative)	Wangrong Electronics(Shenzhen)Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50220640

(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A 10E4	EN/IEC 61810-1	TÜV Rh R 2034012
(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC; 10E4, T70°C	EN/IEC 61810-1	VDE 40024142
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50204086
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50098412
Relay II for all model except H, J	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Electronic Component(Shenzhen)LTD	G4A-1A-E	250VAC;20A;T-mark: 85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Omron Electronic Component(Shenzhen)LTD	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh

(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA5-112LM	30A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA5-112LM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA2 -112LM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Sanyou	SLI-S-112DM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
Relay II for H, J	Tyco Electronics (Shenzhen) Co., Ltd.	OMIH-SS-112LM	250VAC; 16A,T85ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-S-112LM	250VAC; 16A; T85ºC; 10E4	EN/IEC 61810-1	TUVRh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-V-112LA2	250VAC; 16A; T85ºC; 10E4	EN/IEC 61810-1	TUVRh
(Alternative)	Wangrong Electronics (Shenzhen)Co.,Ltd.	RMIH-SS-112LM	277VAC; 16A; T105ºC; 10E4	EN/IEC 61810-1	TUVRh
Relay III for I	Yueqing Meishuo Electric Co., Ltd.	MPQ4-S-112D-A	240VAC/30A, T85 ºC; 10E4	EN/IEC 61810-1	TUV Rh R50184977
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RA2-112LM	250VAC/30A, T85 ºC; 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC, 100K, 85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh

(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh
X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275 VAC; 104K,155M,105M,335K; T 100°C or above; X2	IEC/EN 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275 VAC; 104K,155M,105M,335K; T 100°C or above; X2	IEC/EN 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275 VAC; 104K,155M,105M,335K; T 110°C or above; X2	IEC/EN 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275 VAC; 104K,155M,105M,335K; T 100°C or above; X2	IEC/EN 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 104K,155M,105M,335K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 104K,155M,105M,335K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE 40001876
Varistor I for all model	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681KM)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681K-M)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Cnju	CNJU 14D681K-M	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 127029

(Alternative)	Foshan Kexin Electrical Appliances Co.,Ltd	KVR MYN14-681A	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M(S14 K420)	AC420V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-K(S14 K420)	AC420V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14 K 681)	AC680V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681N(MYG14 K 681)	AC680V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M	AC50-300V;50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581 KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
Varistor II for H, J	Centra Science Corp.(Cnju)	CNR-14D561K	560V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
Varistor III for I, J	Centra Science Corp.	10D471K	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Ceramate Technical Co Ltd	GNR10D471K CL038-0G	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
Outdoor Bridge Rectifier	Microsemi	GBJ35M	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Leshan Radio Company;Ltd	MP3510	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Microsemi	GBPC3510	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Share	S35VB100	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd	GBJ35D-M	1000V; 35A	EN 60335-1 EN 60335-2-40	Tested with appliances
(Alternative)	Leshan Share Electronic Co.,Ltd	GBPC3510W(GBPC3510W S)	1000V;35A	EN 60335-1 EN 60335-2-40	Tested with appliance
Opt-coupler	Toshiba	TLP521-1GB	Operating Temp,: 55-100°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
Electrolytic capacitor I	Jianghao Electron	CD289A	400VAC or 450VAC,450-820μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC; 450-820μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nippon	KMQ	400VAC or 450VAC,450-820μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghao Electron	CD291D OR CD291A	400VAC or 450VAC; 450-820μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC; 450-820μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance

Electrolytic capacitor II for A, B, C, D, E, F, I	Jianghao Electron	CD289A	400VAC or 450VAC,220μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,450-820μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC,450-820μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
Reactor for A, B, C, E, F, G, I, K	Hui Zhou Jia Yang Core New-Tech Co.,Ltd	R25027(AL)(J)	CNT-25027(AL); 25A; Class H	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic And Electrical Co.,Ltd.	R25027(AL)(J)	25A; Class H	EN 60335-1 EN 60335-2-40	Tested with appliance
Reactor for D, H	Foshanwelling Electronic And Electric Co.,Ltd.	R20035(AL)	20A; Class H	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co.,Ltd.	R20035(AL)	20A; Class H	EN 60335-1 EN 60335-2-40	Tested with appliance
Reactor for J	0Foshan Welling Electronic And Electric Co., Ltd.	0R1005L(AL)	010A; Class H	EN 60335-1 EN 60335-2-40	0Tested with appliance
(Alternative)	1Zhejiang Zhengliang Electronic Co., Ltd.	1R1005L(AL)	110A; Class H	EN 60335-1 EN 60335-2-40	1Tested with appliance
(Alternative)	2Qingdao Yunlu Energy Technology Co., Ltd.	2R1005L(AL)	210A; Class H	EN 60335-1 EN 60335-2-40	2Tested with appliance
(Alternative)	3Wuhan Chenyang Core New-Tech Co., Ltd.	3R1005L(AL)	310A; Class H	EN 60335-1 EN 60335-2-40	3Tested with appliance
Reactor II for B, I	Foshan Welling Electronic And Electric Co.,Ltd.	R05094A	5A; Class H	EN 60335-1 EN 60335-2-40	Tested with appliance
EMI Filter for C, K	Zhejiang Zhengliang Electronic And Electrical Co.,Ltd.	ZL-26A-M	250VAC, 50/60HZ, T85°C	EN 60335-1 EN 60335-2-40	Tested with appliance
IPM for A,B, D, E, F	Mitsubishi	PS21997-AST	30A; 450VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
IPM for C, G, K	Mitsubishi	PS21767	30A; 450VAC	EN 60335-1 EN 60335-2-40	Tested with appliance
IPM I for H, J	Toshiba Semiconductor Company	TPD4124K	2A; 500VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Toshiba Semiconductor Company	TPD4134K	3A; 500VAC	EN 60335-1 EN 60335-2-40	Test with appliance

(Alternative)	Toshiba Semiconductor Company	TPD4135K	3A; 500VAC	EN 60335-1 EN 60335-2-40	Test with appliance
IPM II for H, J	Sanyo	STK621-043D-E (STK621-043D)	20A; 450VAC	EN 60335-1 EN 60335-2-40	Test with appliance
IPM for I	Mitsubishi	PS21997-AST	30A; 450VAC	EN 60335-1 EN 60335-2-40	Test with appliance
IGBT for H, J	Toshiba	GT30J122A (30J122A)	30A; 600VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Infineon	IGW20N60H3 (G20H603)	20A; 600VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Renesas	RJH60F4	30A; 600VAC	EN 60335-1 EN 60335-2-40	Test with appliance
IGBT for I	International Rectifier	GP4068D-E	600V48A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Renesas	RJH60F7	600V/50A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Fairchild Semiconductor	FGH60N60UFD	600V/60A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Infineon	G50T60	600V/50A	EN 60335-1 EN 60335-2-40	Test with appliance
PFC for C, G	Sanyo	STK760-216-E	40A; 450VAC	EN 60335-1 EN 60335-2-40	TUV Rh
PFC inductance for C,G, K	Hui Zhou Jia Yang Core New-Tech Co.,Ltd	500UH/35A	35A	EN 60335-1 EN 60335-2-40	Tested with appliance
A: M2OF-18HFN1-Q, WM2OF-18HFN1-Q, B-M2OF-18HFN1-Q, B: M3OE-27HFN1-Q, WM3OE-27HFN1-Q, C: M4OE-28HFN1-Q, WM4OE-28HFN1-Q, B-M4OE-28HFN1-Q, D: M4OB-36HFN1-Q, WM4OB-36HFN1-Q, E: M5OE-42HFN1-Q, WM5OE-42HFN1-Q, F: M3OE-21HFN1-Q, WM3OE-21HFN1-Q, B-M3OE-21HFN1-Q, G: M2OE-14HFN1-Q, WM2OE-14HFN1-Q, H: M2OF-14HFN1-Q					
Compressor for A	Guangdong Meizhi Compressor Limited	ASM135D23UFZ	180VAC; 120Hz; R410A	IEC/EN 60335-2-34	CCC 2013010704607731
Compressor for B,C	Guangdong Meizhi Compressor Limited	ATF235D22UMT	165VAC;180Hz; R410A	IEC/EN 60335-2-34	TUV Rh R 50280956
Compressor for D,E	Guangdong Meizhi Compressor Limited	ATF310D43UMT	176VAC;180Hz; R410A	IEC/EN 60335-2-34	CCC 2015010704802511 TUV R 50280956
Compressor for F	Guangdong Meizhi Compressor Limited	ASM135D23UFZ	180VAC; 120Hz; R410A	IEC 60335-2-40	CCC 2013010704607731
Compressor for G	Guangdong Meizhi Compressor Limited	ASN108D22UEZ	18~120Hz; R410A	IEC/EN 60335-2-34	CCC 2013010704648130

Compressor for H	Guangdong Meizhi Compressor Limited	ASN140D21UFZ	160 VDC; at 180 Hz; R410A	IEC/EN 60335-2-34	CCC 2016010704889129
4-way valve	Zhejiang Dun'an Artificial Environment Co. Ltd.	DSF-9-R410A	AC220-240V; 50/60Hz; 7/5W; Class B	EN/IEC 60730-1	VDE 40013212
(Alternative)	Zhejiang Sanhua Climate&Applianc e Controls Group Co., Ltd (Zhejiang Sanhua Group Co., Ltd.)	SHF-7H-34U or SHF-7H-34U-P	AC220-240V; 50/60Hz; 4,5/3,5W; Class B	EN/IEC 60730-1	VDE 40003240
(Alternative)	Anhui Tianda Electronic Science & Technology Co.,Ltd	DSF-9-R410A	AC220-240V; 50/60Hz; 5-8W; Class B	EN/IEC 60730-1	TUV PS B030744665003
(Alternative)	Foshan Hualu Automatic Controls Ltd	STF-0201G	AC220-240V; 50/60Hz; 6/5W; Class B	EN/IEC 60730-1	VDE 40018984
(Alternative)	Zhejiang Chunhui Intelligent Controlco.Ltd	DHF-9	AC220-240V; 50/60Hz; 4-7W; Class B	EN/IEC 60730-1	TUV Rh B080147761012
(Alternative)	Henan Yuanquan Electron Co.,Ltd.	DSF-09	AC220-240V; 50/60Hz; 5,5W/3,5W; Class B	EN/IEC 60730-1	VDE 15053320
(Alternative)	Zhejiang Sanhua Climate&Applianc e Controls Group Co.,Ltd(Zhejiang Sanhua Group Co., Ltd.)	SHF-4-10L3	AC220-240V; 50/60Hz; 4,5W /3,5W;	EN/IEC 60730-1	VDE 40003240
(Alternative)	Zhejiang Dunan Hetian Metal Co., Ltd	DSF-11-R410A	220-240VAC; 50/60Hz; 7/5W; IP54; Class B	IEC 60730-1	VDE 40013212
(Alternative)	Sanhua Group Co., Ltd	SHF-11H-45D1	220-240VAC; 50/60Hz; 4,5/3,5W; IP54; Class B	IEC 60730-1	VDE 40003240
(Alternative)	Zhejiang Dunan Hetian Metal Co., Ltd	DSF-20-R410A	220-240VAC; 50/60Hz; 7/5W; IP54; Class B	IEC 60730-1	VDE 40013212
(Alternative)	Zhejiang Dunan Machinery Co., Ltd	DSF-20	AC220-240V; 50/60Hz; Class B	IEC 60730-1	VDE 40013212
Outdoor controller I for A, G, H	Gd Midea Air-Conditioning Equipment Co., Ltd.	KFR-35W/BP3N1-(RX62T+41560).D.13.WP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor controller II for A, G, H	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR53W/BP3N1Y-E(commu).JD.TY.MMK.MP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance

Outdoor controller I for B,C, F	Gd Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR80W/BP2T4N1(AC MOTOR)-310.JD.FW.WXWKB.WP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor controller II for B,C, F	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR80W/BP3(IR311+PS21997+SIM6822+LOCK).D.13.WP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor controller I for D,E	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR105W/BP3T5N1-350S.D.13.WP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor controller II for D,E	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR105W/BP2T3N1-350(767).D.13.MP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Outdoor fan motor for A, G	Guangdong Welling Motor Manufacturer Co., Ltd.	ZKFN-40-8-1L	DC310V; 40W Class E	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp.	ZKFN-40-8-1L	DC310V; 40W Class E	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shishishi Tongda Motor Co.,Ltd.	ZKFN-40-8-1L	DC310V; 40W; class E	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co., Ltd	ZKFN-40-8-1L	DC310V; 40W; class E	EN 60335-1 EN 60335-2-40	Test with appliance
Outdoor fan motor for H	Guangdong Welling Motor Manufacturer Co., Ltd.	ZKFN-40-8-1L	DC310V; 40W Class E	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp.	ZKFN-40-8-1L	DC310V; 40W Class E	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shishishi Tongda Motor Co.,Ltd.	ZKFN-40-8-1L	DC310V; 40W; class E	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co,. Ltd	ZKFN-40-8-1L	DC310V; 40W Class E	EN 60335-1 EN 60335-2-40	Test with appliance
Outdoor fan motor for B, F	Guangdong Welling Motor Manufacturer Co., Ltd.	ZKFN-50-8-2	DC310V; 50W Class E	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co., Ltd	ZKFN-50-8-2	DC310V; 50W Class E	EN 60335-1 EN 60335-2-40	Test with appliance
Outdoor fan motor for C, D, E	Guangdong Welling Motor Manufacturer Co., Ltd.	WZDK120-38G-W (ZKFN-120-8-2)	DC310V; 120W Class E	EN 60335-1 EN 60335-2-40	Test with appliance

(Alternative)	Wolong Electric Group Co., Ltd.	WZDK120-38G-W (ZKFN-120-8-2)	DC310V; 120W Class E	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co., Ltd	WZDK120-38G-W (ZKFN-120-8-2)	DC310V; 120W Class E	EN 60335-1 EN 60335-2-40	Test with appliance
Outdoor transformer I for A, G, H	Zhongshan Coin Electronics Co., Ltd.(Maanshan Coiner Electronics Co Ltd).	EE25(5+5)3/P5-1100L2	EE25; 110~264VDC; output: 15VDC/800mA; 12VDC/100mA; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Huizhou Jiayang Core New-Tech Co., Ltd.	EE25(5+5)3/P5-1100L2	EE25; 110~264VDC; output: 15VDC/800mA; 12VDC/100mA; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Hangzhou Ruichuang Industry&Trade Co.,Ltd	EE25(5+5)3/P5-1100L2	EE25;input:110V~264V;output:12V/800mA;15V/100mA;CLASS B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shunde Zhanliang Industrial Co., Ltd	EE25(5+5)3/P5-1100L2	EE25;input:110V~264V;output:12V/800mA;15V/100mA;CLASS B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	TDK Xiamen Co.,Ltd.	EE25(5+5)3/P5-1100L2	EE25;input:110V~264V;output:12V/800mA;15V/100mA;CLASS B	EN 60335-1 EN 60335-2-40	Test with appliance
Outdoor transformer II for A, G , H	Zhongshan Coin Electronics Co.,Ltd.(Maanshan Coiner Electronics Co Ltd).	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Huizhou Jiayang Core New-Tech Co., Ltd.	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd (JS)	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shunde Zhanliang Industrial Co., Ltd	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Test with appliance

Outdoor transformer for B,C, F	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd).	EE2515P431(EE25(5+5)3/P5-0.76L1)	EE25; input: 85~265VAC; output: 12V/850mA; 17V/0,1A; 17V/0,15A; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Huizhou Jiayang Core New-Tech Co.,Ltd Wuhan Chenyang Core New-Tech Co.,Ltd	EE2515P431(EE25(5+5)3/P5-0.76L1)	EE25; input: 85~265VAC; output: 12V/850mA; 17V/0,1A; 17V/0,15A; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
Outdoor transformer for D,E	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd).	E28069 (EI28(8+8)5/P4-2.61L1)	EI28; 212,1~373,3VDC; output:17VDC; 11VDC; 9VDC; 5VDC; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Huizhou Jiayang Core New-Tech Co.,Ltd Wuhan Chenyang Core New-Tech Co.,Ltd	E28069 (EI28(8+8)5/P4-2.61L1)	EI28; 212,1~373,3VDC; output:17VDC; 11VDC; 9VDC; 5VDC; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shekou Jewel Electronic Co., Ltd.	E28069 (EI28(8+8)5/P4-2.61L1)	EI28; 212,1~373,3VDC; output:17VDC; 11VDC; 9VDC; 5VDC; Class B	EN 60335-1 EN 60335-2-40	Test with appliance
Reactor I for B, F	Hui Zhou Jia Yang Core New-Tech Co.,Ltd	R25027(AL)(J) (CNT-25027(AL)	25A; Class H	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Foshan Welling Electronic And Electric Co.,Ltd.	R25027(AL)(J)	25A; Class H	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co.,Ltd	R25027(AL)(J)	25A; Class H	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Qingdao Yunlu Energy Technology Co., Ltd	R25027(AL)(J)	25A, Class H	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R2503(AL)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R25027(AL)(J)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R25027(AL)(J)	25 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R2503(AL)	25 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R25027(AL)(J)(HD)	25 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Qingdao Yunlu Energy Technology Co., Ltd	R25027(AL)(J)	25 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	DPC Nantong Co., Ltd	R25027(AL)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R2503(AL)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R25027(AL)(J)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
Reactor II for B, F	Foshan Welling Electronic And Electric Co.,Ltd.	R05094A	5A; Class H	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co.,Ltd	R05094A	5A; Class H	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	DPC Nantong Co., Ltd	R05094A	5A, Class N	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Leqing Zhengliang Electronic Co.,Ltd.	R05094A	5A,Class N	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R05094B (SX)	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R05094A	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R0594	5 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R0594A	5 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	DPC Nantong Co., Ltd	R05094A	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R05094B (SX)	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R05094A	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
Outdoor terminal block for A, G, H	Wenzhou Lizijia Electric Co., Ltd.	YF2001C	450V 4mm^2	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205A	450V 4mm²	EN 60335-1 EN 60335-2-40	Test with appliance

Outdoor terminal block for B,C,D, F	Hoppy Industrial Co.,Ltd	HP-T3020C (HP-T3020C-1-6P-CL0)	400VAC; 24A	EN 60335-1 EN 60335-2-40	Test with appliances
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-6	450V 4mm^2	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2206A	660V~ 4mm^2	EN 60335-1 EN 60335-2-40	Test with appliance
Outdoor terminal block for C,D,E	Hoppy Industrial Co.,Ltd	HP-T3020C (HP-T3020C-1-9P-CL0)	400VAC; 24A	EN 60335-1 EN 60335-2-40	Test with appliances
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-9	450V 4mm^2	EN 60335-1 EN 60335-2-40	Test with appliances
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2209A	660V~ 4mm^2	EN 60335-1 EN 60335-2-40	Test with appliances
Outdoor Bridge Rectifier for A, G, H	Leshan Share Electronic Co.,Ltd	GBJ35D-M	1000V/35A	EN 60335-1 EN 60335-2-40	Test with appliances
(Alternative)	Microsemi	GBJ35M	1000V/35A	EN 60335-1 EN 60335-2-40	Test with appliances
(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBJ3510	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd	D35SB100	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd	GBJ35D-M	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Taiwan Semiconducor	TS35P07G	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	PAN JIT INTERNATIONAL INC.	KBJ3510	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Test with appliances
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBJ35M	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Test with appliances
(Alternative)	Leshan Share Electronic Co., Ltd.	D35SB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBJ35M	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBJ3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	TS35P07G	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Pan Jit International Inc.	KBJ3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBJ35M	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	GBPC3510 WS	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Leshan Radio Company, Ltd.	MP3510W	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBPC3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	D35SB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	S35VB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co.,Ltd.	GBPC3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	GBPC3510 WC	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Outdoor Bridge Rectifier for A,B,C, F, G , H	Microsemi	SDB157A	1000V/60A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd	DB157S	1000V/60A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	DB157S	1000 V; 1,5 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co.,Ltd.	SDB157A	1000 V; 1,5 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	DBLS207G-T	1000 V; 1,5 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Pan Jit International Inc.	DI1510S	1000 V; 1,5 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	DB157S	1000 V; 1,5 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Alternative	Taiwan Semiconducor	DBLS207G-T	1000V;1.5A	EN 60335-1 EN 60335-2-40	Test with appliance
Alternative	PAN JIT INTERNATIONAL INC.	DI1510S	1000V;15A	EN 60335-1 EN 60335-2-40	Test with appliances
Alternative	Suzhou Good-Ark Electronics Co. Ltd	DB157S	1000V;1.5A	EN 60335-1 EN 60335-2-40	Test with appliances
Alternative	Leshan Share Electronic Co.,Ltd.	GBPC3510 WS	1000V;35A	EN 60335-1 EN 60335-2-40	Test with appliances
Alternative	Leshan Radio Company, Ltd.	MP3510W	1000V;35A	EN 60335-1 EN 60335-2-40	Test with appliances
(Alternative)	Leshan Share Electronic Co., Ltd.	D35SB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBJ35M	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBJ3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	TS35P07G	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Pan Jit International Inc.	KBJ3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBJ35M	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	GBPC3510 WS	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510W	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBPC3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	D35SB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	S35VB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co.,Ltd.	GBPC3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	GBPC3510 WC	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Outdoor Bridge Rectifier for B,C, D, E, F	Leshan Share Electronic Co.,Ltd	GBPC3510W(GBPC3510W S)	1000V/35A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	DB157S	1000V;1.5A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Microsemi Shanghai Co.,Ltd.	SDB157A	1000V;1.5A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Taiwan Semiconducor	DBLS207G-T	1000V;1.5A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Pan Jit International Inc.	DI1510S	1000V;15A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	DB157S	1000V;1.5A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	D35SB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBJ35M	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBJ3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	TS35P07G	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Pan Jit International Inc.	KBJ3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBJ35M	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Leshan Share Electronic Co., Ltd.	GBPC3510 WS	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510W	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBPC3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	D35SB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	S35VB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co.,Ltd.	GBPC3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	GBPC3510 WC	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Outdoor electrolytic capacitor I for A,B,C, F, G, H	Panasonic	ECA2WHG100	400VAC or 450VAC; 10µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Jianghao Electron	CD263	400VAC or 450VAC; 10µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Jianghai Electron	CD263	400VAC or 450VAC; 10µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Nippon Chemi-Con Corporation	EKXG451EC3100MJ20S(KXG)	400VAC or 450VAC; 10µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Panasonic	CE or CEM	400VAC or 450VAC; 10µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd	EHL2WM100G16B50T	400VAC or 450VAC;10uF;VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD286E	450V;10uF;VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
Outdoor electrolytic capacitor II for all	Hongkong Chemi-Co., Ltd.	NCC-EKMQ401LIN681MA45S	680uF/400V or 450VAC - 25~+105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD291D	680uF/400V or 450VAC -25°C -- +105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Panasonic Electronic Devices Co., Ltd.	CE or CEM	680uF/400V or 450VAC -25°C -- +105°C -20~+20% 2000 (h)	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Jianghao Electron	CD289A	400VAC or 450VAC, 450-820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance

(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC, 450-820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Nippon	KMQ or KMW	400VAC or 450VAC, 450-820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Jianghao Electron	CD291D OR CD291A	400VAC or 450VAC, 450-820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Jianghai Electron	CD291D OR CD291A	400VAC or 450VAC, 450-820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Panasonic	EERHC2G821LJ	400VAC, 820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Nichicon	CD291D OR CD291A	400VAC or 450VAC, 450-820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Suzhou Kaimei Electronic Ltd	CD291D OR CD291A	400VAC or 450VAC, 450-820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Panasonic	CE or CEM	400VAC or 450VAC,450-820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	EPCOS	B43252-xxx	400VAC or 450VAC,450-820µF; VENT 105°C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B43252-S5477-M7	450V, 470µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 470µF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co.,Ltd.	LK	400V, 470µF; 500µF 85°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 470uF450V CE 105°C	400VAC or 450VAC; 470µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nippon Chemi-Con Corporation	KMQ	450 V, 470µF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD291A	400VDC; 470uF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD291A	450VDC; 470µF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B43641-S5827-M1	450V, 820µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 820uF450V CE 105°C	400VAC or 450VAC; 820uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nippon Chemi-Con Corporation	KMW	450V, 820µF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	CD291D	400V or 450V; 820µF; VENT -25~+105°C	EN 60335-2-40 EN 60335-1	Test with appliance

(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	450VDC; 820μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD291A	400VDC; 820uF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B43252-S5687-M4	450V, 680μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 680μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	400V, 680μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 680uF400V CE 105°C	400VAC or 450VAC; 680μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nippon Chemi-Con Corporation	KMQ	450 V, 680μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nippon Chemi-Con Corporation	KMQ	400V, 680μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	CD291D	400V or 450V; 680uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	CD291A	400V or 450V; 680uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD291A	450VDC; 680μF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD291D	400VDC; 680μF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	400V, 510 μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	400 VDC; 510 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co.,Ltd.	LK	400V, 500μF; 500μF 85°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nippon Chemi-Con Corporation	CE	400V ,500μF; 85°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	ECEL26P501ES	400V or 450V; 500μF; VENT 85°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD291R	400VDC; 500uF VENT 85°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LK	450V, 560μF; 85°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289L	450VDC; 560μF VENT 85°C	EN 60335-2-40 EN 60335-1	Test with appliance

Fuse I for B,C,D,E, F	Hollyland Co., Ltd.	50T	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Hollyland Co., Ltd.	50CT	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Wickmam -Werke Gmbh	195	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40016851
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 138756
(Alternative)	Conquer Electronics Co.,Ltd.	UTE-AL 005	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Conquer Electronics Co.,Ltd.	MST 005	T5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	50T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	PSE 15020944
(Alternative)	Dongguan Better Electronic Technology Co Ltd	524T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	PSE 15020932
(Alternative)	Dongguan Better Electronic Technology Co Ltd	932T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	PSE 15020937
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610

(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	50CT	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014896
Fuse II for A,B,C, F, G, H	Hollyland Co., Ltd.	50T	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Hollyland Co., Ltd.	50CT	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Wickmam -Werke Gmbh	195	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40016851
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Conquer Electronics Co.,Ltd.	UTE 3.15	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Conquer Electronics Co.,Ltd.	UTE-AL3.15	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Hollyland Company Limited	RT1	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40009610
(Alternative)	Dongguan Better Electronic Technology Co., Ltd	316 series	3,15AL; 350 VAC	IEC/EN 60127-1 IEC/EN 60127-2	Test with appliance
(Alternative)	Dongguan Better Electronic Technology Co., Ltd	334- Serie(s)	T3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40025428
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	3,15A/250VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE40015669
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460

(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50CT	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014869
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	5ET	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	61S	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co., Ltd.	932T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	PSE 15020937
(Alternative)	Dongguan Better Electronic Technology Co Ltd	316	T 3,15 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	PSE 15020944
(Alternative)	Dongguan Better Electronic Technology Co Ltd	334T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	PSE 15020938
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5TE	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40036821 PSE: JET 5173-31007-2001
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	4T (3.6*10)	T 3,15 A; 350 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	30TS-032H1/H2/L	T 3,15 A; 350 VAC	EN 60127-1 EN 60127-2	CSA LR101178
Outdoor fuse III for all	Shanghai Songshan Electronic Co.,Ltd	RT1	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Hollyland Co.,Ltd.	65T or T	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Hollyland Co., Ltd.	61T	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	611	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance

(Alternative)	Dongguan Better Electronic Technology Co Ltd	614	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T 30AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Hollyland Co.,Ltd.	65T or T	T 30AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Hollyland Co., Ltd.	61T	T 30AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	611	T 30AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	614	T 30AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Conquer Electronics Co.,Ltd.	ADP-AL	T 20AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Conquer Electronics Co.,Ltd.	APA-A	T 30AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Hollyland Co.,Ltd.	65TS/65TS(P)	T 30AL; 250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	61T	20A/250VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	61T	T 20 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	611	T 20 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	614	T 20 A; 250 VAC	EN 60127-1 EN 60127-2	PSE 17021135
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	6G (6*30)	T 20 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	65TS	T 30 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Dongguan Better Electronic Technology Co Ltd	614	T 30 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
Outdoor relay I for all	Wangrong Electronics (Shenzhen) Co.,Ltd.	RC-112DM	250VAC 3A,DC 12V, 10E4,T85	EN/IEC 61810-1	TUV:R5022 0640
(Alternative)	Yueqing Meishuo Electric Co., Ltd.	MPR-S-112-A 3A	3A 250VAC; 10E4, T85	EN/IEC 61810-1	TUV R50217035
(Alternative)	Tyco Electronics (Shenzhen) Co.,Ltd.	PCJ-112D3M	5A/250VAC; 10E4; T85 °C	EN/IEC 61810-1	VDE: 1146900-0009
(Alternative)	Dongguan Churod Electronics Co.,Ltd	CHM-V-112DA3	3A 250VAC; 10E4; T85 °C	EN/IEC 61810-1	TUV R50196152
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2-10	3A 277VAC; 10E4; T85 °C	EN/IEC 61810-1	VDE 40033402
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2-10	3A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh 50138320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-124LMH	8A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPR-S-112-A	3A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50217035
(Alternative)	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493
(Alternative)	Dongguan Churod Electronics Co,,Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50232867
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN/IEC 61810-1	VDE400077 93
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50031793

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A; 10E4, T85;	EN/IEC 61810-1	TÜV Rh R50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 10E4	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; 10E4, T mark: 90°C	EN/IEC 61810-1	VDE40009151
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV Rh50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh50222701
(Alternative)	Wangrong Electronics(Shenzhen)Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220640
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A; 10E4, T mark: 70ºC	EN/IEC 61810-1	TÜV Rh R2034012
(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	VDE40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC; 10E4, T70°C	EN/IEC 61810-1	VDE40024142
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50217035
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50098412
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-5A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258455

(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	JDQ-SS-112V	5A/250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV: R50138320
(Alternative)	Panasonic Industrial Devices Sales (China） Co., Ltd. Shenzhen Branch	ALDP112W	5A 277V AC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40014384
(Alternative)	Tyco Electronics (Shenzhen) Co.,Ltd.	PCJ-112D3M	5A/250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 1146900-0009
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; 10E4 T85	EN/IEC 61810-1	VDE 40002146
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OMIH-SH-112LM	5A; 250VAC;T70; 10E4	EN/IEC 61810-1	TÜV Rh R40005414
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM-S	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRD-S-112D	5A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142424

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-124LMH	8A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3MH-WG	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPA-S-112-C	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPR-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50217035
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A 5A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Omron Electronic Components (Shenzhen) Ltd.	G5NB-1A-E	5A,250VAC, 10E4; T85°C	EN 61810-1	VDE: 137575
Relay II for A, G, H	Tyco Electronics (Shenzhen) Co., Ltd.	OMIH-SS-112LM	250VAC; 16A,T85ºC; 10E4	EN/IEC 61810-1	VDE 40005414
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-S-112LM	250VAC; 16A; T85ºC; 10E4	EN/IEC 61810-1	TUV R50143456
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-V-112LA2	250VAC; 16A; T85ºC; 10E4	EN/IEC 61810-1	TUV R50212872

(Alternative)	Wangrong Electronics (Shenzhen)Co.,Ltd.	RMIH-SS-112LM	277VAC; 16A; T105ºC; 10E4	EN/IEC 61810-1	TUV R50242245
(Alternative)	Yueqing Meishuo Electronics Co., Ltd.	MPJ-112-A-2	277VAC; 16A; T85ºC; 10E4	EN/IEC 61810-1	TUV R50294981
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-V-112LA2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50212872
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-S-112LA2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50212872
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RMIH-SS-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50242245
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RMIH-SS-112LM-S	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50242245
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-S-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50227999
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-SH-112LM	17A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50227999
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRG-S-112D	17A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40037165
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OMIH-SS-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139138
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPJ-112-A-2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50294981
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPJ-S-112-A-2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50294981
Relay II for C,D,E, F	Yueqing Meishuo Electric Co., Ltd.	MPQ4-S-112D-A	240VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50184977
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50057260
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RA2-112LM	250VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50228669

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC, 100K, 85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh 50087694
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh 50057260
(Alternative)	Dongguan Churod Electronics Co.,Ltd	CHS02-V-112LA	30A 277VAC,T70°C; 10E4	EN/IEC 61810-1	TUV R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co.,Ltd.	RC-112DM1	250VAC 30A, 10E4, T85 ºC	EN/IEC 61810-1	VDE 40034781
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHS02-V-112LA	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RA2-112LM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFD-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-S-112DMK	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLA-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92S7D22-12-02	30A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92-4012	30A; 240VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPQ4-S-112D-A	30A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184977
Relay II for B, F	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	250VAC/25A, T85 ºC; 10E4	EN/IEC 61810-1	TÜV RhR 50220099

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM or SFK-112DMG or SFK-112DMP	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC,100K,85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	250VAC/20A, T85 ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2 (20A)	20A 250VAC,T85 ºC; 10E4	EN/IEC 61810-1	TUV R50220099
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	891WP-1A-C	20A 250VAC, T85 ºC; 10E4	EN/IEC 61810-1	TUV 50003966
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	20A 250VAC, T85 ºC; 10E4	EN/IEC 61810-1	TUV: R50194013
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50214482
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G4A-1A-E	250VAC; 20A; T-mark: 85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50214482
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50057260
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50003996
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RA2-112LM	250VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Yueqing Meishuo Electric Co., Ltd	G4A-1A-E-CN	20A,250V AC;T70°C; 10E4	EN/IEC 61810-1	VDE 107293

(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HK-112DM	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258458
(Alternative)	Yueqing Meishuo Electronics Co., Ltd.	MPY-S-112-A-P	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	TUV Rh AN 09857507
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh R 50184977
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	SFK-112DM	250VAC/25A; T70 ºC 100,000 cycles	EN/IEC 61810-1	VDE40007481
(Alternative)	Dongguan Churod Electronics Co.,Ltd	CHS02-V-112LA	30A 277VAC, T70°C; 10E4	EN/IEC 61810-1	TUV R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co.,Ltd.	RC-112DM1	250VAC 30A,1E5 cycles,T85	EN/IEC 61810-1	VDE 40034781
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHS02-V-112LA	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RA2-112LM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFD-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-S-112DMK	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLA-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92S7D22-12-02	30A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92-4012	30A; 240VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPQ4-S-112D-A	30A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184977
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-L	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	EF00-1A2-D012-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50117320

(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd	PCFL-112D2M,1300	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139097
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components (Shenzhen) Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
IPM I for A, G, H	Fairchild Semiconductor	FNC42060F2	20A; 450VAC	EN 60335-1 EN 60335-2-40	Test with appliance
IPM II for A, F, H	Toshiba Semiconductor Company	TPD4124K	2A; 500VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Toshiba Semiconductor Company	TPD4134K	3A; 500VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Toshiba Semiconductor Company	TPD4135K	3A; 500VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sanken Electric Co., Ltd.	SIM6822M	5A;600V	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sanken Electric Co., Ltd.	SIM6822MV	5A;600V	EN 60335-1 EN 60335-2-40	Test with appliance
IPM for B,C, F	Mitsubishi Electric	PSS30S92F6	30A; 450VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	MITSUBISHI ELECTRIC	PSS30S92F6-AG	30A; 600V	EN 60335-1 EN 60335-2-40	Test with appliance
IPM for B,C,D,E, F	Sanken Electric Co., Ltd.	SIM6822M	5A;450VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sanken Electric Co., Ltd.	SIM6822MV	5A;600V	EN 60335-1 EN 60335-2-40	Test with appliance
IPM for D,E, G, H	Mitsubishi	PS21767	30A; 450VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	ROHM Semiconductor	RGTH60TS65D	30A; 650V	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Toshiba Semiconductor Company	30J341	30A; 600V	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Alpha & Omega Semiconductor	K40B65H2A	30A; 600V	EN 60335-1 EN 60335-2-40	Test with appliance
IGBT for A	Infineon	K30H603	30A; 600VAC	EN 60335-1 EN 60335-2-40	Test with appliance

(Alternative)	Rohm Semiconductor	RGTH60TS65D	30A; 650VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Toshiba Semiconductor Company	30J341	30A; 600V	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Alpha & Omega Semiconductor	K40B65H2A	40A; 650V	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Toshiba Semiconductor Company	GT30J122A (30J122A)	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics	RJH60F4	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	GT30J122	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	G30H603	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	IXYS Corporation	IXXH30N60B3	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH60TS65	30A; 650V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	K30T60	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	IGW30N60TP	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	International Rectifier	IRGP4630D-E	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sanken Electric Co., Ltd	FGM623S	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	K30H603	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH60TS65D	30A; 650V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	International Rectifier	GP4068D-E	48A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Fairchild Semiconductor Co., Ltd	FGAF40N60SMD	40A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ST Microelectronics	G40V60DF	40A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Trinno Technology	40N60F2D	40A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Alpha & Omega Semiconductor	K40B65H2A	40A; 650V	EN 60335-2-40 EN 60335-1	Tested with appliance
IGBT for F	International Rectifier	GP4068D-E	600V48A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Renesas	RJH60F7	600V/50A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Fairchild Semiconductor	FGH60N60UFD	600V/60A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Infineon	G50T60	600V/50A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	IXYS Corporation	IXXH50N60B3	50 A; 600 V	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Renesas Electronics	RJH60F7	50 A; 600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	G50T60	50 A; 600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH00TS65 GC11	50 A; 650 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	IKW50N60H3	50 A;600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH00TS65 D	50 A; 650 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	IKW50N60T	50 A; 600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH00TS65 D	50 A; 650 V	EN 60335-2-40 EN 60335-1	Tested with appliance
PFC for D,E	Sanyo	STK760-216-E	40A, 450VAC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	ON Semiconductor	STK760-216-E	40A;600V;8KW	EN 60335-1 EN 60335-2-40	Test with appliance
PFC inductance	Huizhou Jiayang	500UH/60A	CNT-1006040C650,60A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Huizhou jiayang	510uH-13A	510uH,13A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	ZHENGLIANG	510uH-13A	510uH-13A	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	ZHENGLIANG	510uH-13A	510uH-13A	EN 60335-1 EN 60335-2-40	Test with appliance
Opt-coupler for all models	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance

(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Nec	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Nec	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Lite-On Electronics, Inc	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Everlight Electronics.,Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	350V/50mA, -25℃-100 ˚C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	80V/50mA, -30 ºC - 100 ˚C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817(BP)	80V/50mA, -30 ºC - 100 ˚C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817(BP)	80V/50mA, -30 ºC - 100 ˚C	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL816C	80V,60mA,110 ºC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL851	350V,60mA,100 ºC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Lite-On Technology Corporation	851MD	350V,60mA,100 ºC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	TOSHIBA Semiconductor Co.,LTD	P628	350V,60mA,100 ºC	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	TOSHIBA Semiconductor Co.,LTD	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance

(Alternative)	Lite-On Electronics, Inc.	851/PC817	IF:60mA;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50mA;IFM:1A;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	TOSHIBA Semiconductor Co.,LTD	TLP628	IF:60mA;VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL851	IF:60mA;IFM:1A;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL851	IF:80 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:100mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Lite-On Electronics, Inc.	851/PC817	IF:60mA;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Toshiba Semiconductor Company	TLP781	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Avago Technologies	HCPL-817	IF:50mA;VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Toshiba Semiconductor Company	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Everlight Electronics.,Ltd	PC817/EL816	IF:60mA; IFP:1A ; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Lite-On Electronics, Inc.	PC817/L 816	IF:50mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Wuxi China Resources Semico Co., Ltd.	HK851Y	IF:50 mA;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance

(Alternative)	LITE-ON ELECTRONICS, INC.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Wuxi China Resources Semico Co., Ltd.	HK817B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Test with appliance
(Alternative)	Avago Technologies	A817V	IF:50 mA; VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL354N	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:6V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3022	IF;50mA; VR:6V; VDRM:400V; VTSM:1A; Viso:5000Vrms; IFT MAX:10mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 C	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3021	IF:50 mA; VR: 6V; VDRM:400V; VTSM:1A; Viso：5000Vrms;IFT MAX 15mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	R705A	IF: ±50 mA; IFM: ±0.5A; VCEO:70V; VECO:5V; IC:30mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P181	IF:50 mA; IFP:1A; VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP3526	IF:50 mA; IFP:1A; VR: 5V; VDRM600V	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Toshiba Semiconductor Company	TLP521	Ic:50mA; Vceo:55V; BVs:2500Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP184	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL3022	IF:60 mA; IFM:1A; VR: 6V; VDRM:250/400/600; IT:100mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL 816	IF:60 mA; IFP:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL814	IF: ±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P741	IF:60 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P781 or P785	IF:60 mA; IFP:1A; VR: 5V/6V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Varistor for all models	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681 KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Foshan Kexin Electrical Appliances Co.,Ltd	KVR MYN14-681A	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616

(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M (S14 K420)	AC420V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14 K 681)	AC680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Panasonic	E14681	680V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-K or 14D681KK	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-M(CNR(OLD) or 14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	NFC14D681K or NFC14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Panasonic Corporation	ZNR E11621	620V, T85 °C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Centra Science Corp.(Cnju)	CNR14D621K	620V, T85 °C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co.Ltd	MYN15-621K	620V, T85 °C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Panasonic SH Industrial Devices Sales (Shenzhen) Co.,Ltd.	ZNRE11621	620V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	PT. Panasonic Industrial Devices Batam	E11621	558 V ~ 682 V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 1300109490 9

(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-K (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KM (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621KMS (NFC14D621K)	620 V;50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K	620 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621 KXXXXH(VDE)	620V; In=3KA; T85°C (UL:T105°C)	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030401
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K	680 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681M (MYG14K681)	680 V, T85°C; 5KA*4	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z1160679712002
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N (MYG14K681)	680 V, T85°C; 4.5KA*1	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z1160679712002
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KMS (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681	Φ14; 680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 005944
X2 capacitor for all	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 104J,104K,105M,155M,333M;335K,474KM; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024537

(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 104J,104K,105M,155M,333M;335K,474KM;T 85°C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC;104J,104K,105M,155M,333M;335K,474KM; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 104J,104K,105M,155M,333M;335K,474KM; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 104J,104K,105M,155M,333M;335K,474KM; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 104J,104K,105M,155M,333M;335K,474KM; T 85°C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC;104J,104K,105M,155M,333M;335K,474KM; T 85°C or above; X2	EN/IEC 60384-14	VDE40010694
(Alternative)	Foshan City Xin Yuan Electronic Co.,Ltd(CY)	MKP-X2	275VAC; 104J,104K,105M,155M,333M;335K,474KM; T 85°C or above; X2	EN/IEC 60384-14	VDE40027433
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	275VAC; 104J,104K,105M,155M,333M;335K,474KM; T 85°C or above; X2	EN/IEC 60384-14	VDE 112996
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	33nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	100nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	220nF; 275VAC; 85°C or above; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Okaya	SE12001	275VAC; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN/IEC 60384-14	SE/0142-9C

(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	VDE 40037250
(Alternative)	Foshan City Xinyuan Electronic Co., Ltd,	MKP-X2	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	VDE 40027433
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE104-MX	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE105-MX	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE224-MX	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE474-MX	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP X2	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	VDE 40001876

(Alternative)	Ultra Tech Xiphi Enterprise Co.，Ltd	HQX	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	C4B	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	SEMKO:SE/0366-6
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	275VAC; 104J, 104K,105M,155M,333M;335K,474KM; 33nF; 100nF; 220nF; 0,01uf; 0,1uf; 0,022uf; 0,033uf; T 85°C or above; X2	EN 60384-14	VDE 40000358
Indoor unit: A: MTBI-18HWDN1-Q; B: MTBI-12HRFN1-Q (MTBU-12HWFN1-QRC8); C: MTBI-09HRFN1-Q (MTBI-09HWFN1-QRC8); D: MTBI-07HRFN1-Q (MTBI-07HWFN1-QRC8); E: MCA2I-18HRDN1-Q; F: MCA2I-12HRFN1-Q (MCA2U-12HRFN1-QRC8); G: MCA2I-09HRFN1-Q (MCA2I-09HRFN1-QRC8); H: MCA2I-07HRFN1-Q (MCA2I-07HRFN1-QRC8) A1: MTBI-18HWDN1-QRC8; E1: MCA2I-18HRDN1-QRC8					
Indoor Controller E	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR32Q/BP2N1Y-A2.D.1.1-1	220-240VAC; 50Hz	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor Controller E1	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR20Q4/BP3TN1Y(hb)-A.D.11.NP2-1	220-240VAC; 50Hz	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor Controller A1	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR160T2/BP2N1X-B.D.18.NP1-1	220-240VAC; 50Hz	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor Controller F,G,H	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR20Q4/BP3TN1Y-A.D.11.NP2-1	220-240VAC; 50Hz	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor Controller A	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR32T2/BP2N1Y-B.D.1.1.1.1-1	220-240VAC; 50Hz	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor Controller B,C,D	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR32T2/BP3T4N1Y-D.46.NP2-1	220-240VAC; 50Hz	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor terminal block For E,F,G,H, E1	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5B RS9103C RS9103C-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-Ee-5P-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004-5C16	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004-4C23	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Yueqing Jing Grid Electric Co., Ltd.	JGD-ZR5-P-1	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor terminal block For A	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450V; 4 mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103D-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor terminal block For B,C,D, A1	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9101-4	450V; 4 mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JXO-4B	450V; 4 mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for B,C,D,	Panasonic Industrial(China) Co.,Ltd.	WZDK27-38G	DC310V; 27W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura(Zhejiang)Corp. Rotation	WZDK27-38G	DC310V; 27W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co.,Ltd.	WZDK27-38G	DC310V; 27W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

Indoor fan motor for E, E1	Guangdong Welling Motor Manufacturing Co., Ltd.	YDK37-4P (YKT-37-4-2)	220-240VAC, 50Hz; 37W, Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co.,Ltd.	YDK37-4P (YKT-37-4-2)	220-240VAC, 50Hz; 37W, Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for A, A1	Guangdong Welling Motor Manufacturing Co., Ltd.	YSK68-4P (YKT-68-4-4)	220-240VAC, 50Hz; 68W, Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co.,Ltd.	YSK68-4P (YKT-68-4-4)	220-240VAC, 50Hz; 68W, Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor capacitor for YDK37-4P	Panasonic Electronic Devices (Jiangmen) Co., Ltd.	451xKY seeries	450VAC; 50/60Hz; P2; Class B; 1,5μF; 70°C	EN/IEC 60252-1	TUV Rh R 50145353
Indoor fan motor capacitor for YSK68-4P	Panasonic Electronic Devices (Jiangmen) Co., Ltd.	451xKY seeries	450VAC; 50/60Hz; P2; Class B; 3,5μF; 70°C	EN/IEC 60252-1	TUV Rh R 50145353
Indoor fan motor protectorfor YDK37-4P, YSK68-4P	Changzhou New Zone Desheng Electric Appliance Co., Ltd.	BR-A	250VAC; Tf : 130°C	EN/IEC 60730-1 EN/IEC 60730-2-2	VDE
(Alternative)	Chang Zhou City Tong Li Electron &Electric Appliance Factory	KW-C2-130	250VAC; Tf : 130°C	EN/IEC 60730-1 EN/IEC 60730-2-2	VDE
(Alternative)	Shengzhou Ganlin Wangshi Thermal Protector Factory	JW Series	250VAC; Tf : 130°C	EN/IEC 60730-1 EN/IEC 60730-2-2	VDE
(Alternative)	Sensata Technologies China Co., Ltd.	8CM or 17AM or 6AM	277VAC; Tf : 130°C	EN/IEC 60730-1 EN/IEC 60730-2-2	KEMA
(Alternative)	Sensata Technologies Changzhou Co., Ltd.	BW	250VAC; Tf : 130°C	EN/IEC 60730-1 EN/IEC 60730-2-2	KEMA
(Alternative)	Changzhou City Tong Li Electron &Eletric Appliance Factory	KW-A2	250VAC; Tf : 130°C	EN/IEC 60730-1 EN/IEC 60730-2-2	VDE
(Alternative)	Changzhou Newzone Desheng Electric Appliance Co., Ltd	BR-A-130	250VAC; 6A; Tf : 130°C	EN/IEC 60730-1 EN/IEC 60730-2-2	VDE
Indoor transformer for E	Dongguan Dazhong	TT2-C30D70-2F	E48*30; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shunde Zhanliang	TT2-C30D70-2F	E48*30; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance

Thermal link of transformer for E	Aupo Electronics Ltd.	A2 series	115°C; 2A; 250VAC	EN/IEC 60691	VDE
(Alternative)	Xiamen Set Electronics Co., Ltd.	K2	115°C; 2A; 250VAC	EN/IEC 60691	VDE
Indoor transformer for A	Dongguan Dazhong	TT2-C50+D35-1F	E48*30; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shunde Zhanliang	TT2-C50+D35-1F	E48*30; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Thermal link of transformer for A	Aupo Electronics Ltd.	A8series	150°C; 2A; 250VAC	EN/IEC 60691	VDE
(Alternative)	Xiamen Set Electronics Co., Ltd.	K7	150°C; 2A; 250VAC	EN/IEC 60691	VDE
Indoor transformer for B,C,D,F,G,H	Zhongshan Coin Electronics Co.,Ltd. (Maanshan Coiner Electronics Co Ltd).	E19016	EE19;Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Zhizhuo	E19016	EE19;Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang Core New-Tech Co., Ltd.	E19016	EE19;Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Tdk	E19016	EE19;Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd	E19016	EE19;Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Dongguang Dazhong	E19016	EE19;Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor transformer for A1,E1	Dongguan Dazhong	E22102	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang	E22102	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd)	E22102	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd	E22102	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fuse for all model	Shanghai Songshan Electronic Co.,Ltd	RT1	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Hollyland Co.Ltd	50T	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Shanghai Songshan Electronic Co, Ltd	RT1-20	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wholesome Electronic &Electric Products Co., Ltd	50T	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618-Serie(s)	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wickmann-Werke Gmbh	195	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Walter Electronic Co.,Ltd.	TSD	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Relay I for all model	Omron Corp	G5NB-1A-E	AC250V; 5A; Tmark:85ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM	5A; 277VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Tyco Electronics Ec K.K	PCJ-112D3M	AC250V; 5A; T mark: 85ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh

(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Tyco Electronics Ec K.K	PCJ-112D3M	AC250V; 5A; T mark: 85ºC;10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corp	G5NB-1A-E	AC250V; 5A; T mark: 85ºC;10E4	EN/IEC 61810-1	VDE
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Zhejiang Hke Relay Co. Ltd.	HRS3-S-DC12V-A	5A; 250VAC; T85 ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; T85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2(MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A; 250VAC; T85°C; 100000 Cycles	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	307-1AH-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T85°C; 100000cycles	EN/IEC 61810-1	TUVRh
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JZC-32F	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen)Co.,Ltd	RC-112DM1	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen)Co.,Ltd	RC-112DM1	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
X2 capacitor	Xiamen Faratronic Co. Ltd.	MKP61 or MKP62	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE

(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Anhui Xinyang Electronics Co., Ltd.	MPX/MPK/MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	B32923C3105 M005	1µF; 305VAC; T 85°C or above; X2	EN/IEC 60384-14	VDE
Varistor	Ceramate Techn. Co., Ltd	GNR 14D681K	AC350-1000V;50A; T85ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.	CNR 14D681K	AC50-510V;50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M	AC50-300V;50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Kestar Electronic Co.,Ltd	MYG14-681 (MYN14-681A)	AC681V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE

(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681K-M or CNJU 14D681K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic &Information Co.,Ltd.	MYG3-14K681 (MYG3 14K420)	AC50-300V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D681K (GNR14D681 KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Foshan Kexin Electrical Appliances Co., Ltd	KVR MYN14-681A	AC681V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581 KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-M (S14K420)	AC420V; T85℃	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-K (S14K420)	AC420V; T85℃	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681M (MYG14K681)	AC680V; T85℃	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681N (MYG14K681)	AC680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD
(Alternative)	Jiangsu Suzhou Purification Group Suzhou Zhongpu Electronics Co.,Ltd.	GNR 14D681KM	AC680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
Indoor Bridge Rectifier for B,C,D,F,G,H	Leshan Radio Company, Ltd.	GBU4K	800VAC; 4A	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Microsemi	GBU408	800VAC; 4A	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Bridge Rectifier for A1	Microsemi	GBJ35M	1000VAC; 35A	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Bridge Rectifier for E1	Leshan Radio Company, Ltd.	GBU15K	800VAC;15A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shindengen	U15K 80R	800VAC;15A	EN 60335-1 EN 60335-2-40	Tested with appliance
Opt-coupler	Toshiba	TLP521-1GB	Operating Temp,: 55-100°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor for E,F,G,H	Taishan City Kexinte Motor Products Co.,Ltd	MP35EA	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP35EA	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP35EA	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP35EA	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Huilip Motor Co., Ltd.	MP35EA	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP35EA	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP35EA	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Taishan Siangbao Motor Mfg.Co.,Lt D.	MP35EA	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Electrolytic capacitor for A1, B, C, D, F, G, H	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
Water pump for E,F,G,H,E1	Huayang	ZJSB7004 (PSB-7)	220-240VAC, 50/60Hz, Class E, 8W	EN 60335-2-41	VDE
(Alternative)	Foshan Lepuda Motor Co.,Ltd.	PLD-7	220-240VAC, 50/60Hz, Class E, Max,9W	EN 60335-2-41	TUV SUD
(Alternative)	Zhejiang Zhongbao Auto-Condtrol Component Co.,Ltd.	PSB-7	220-240VAC, 50/60Hz, Class E, <10,8W	EN 60335-2-41	TÜV Rh
Indoor Unit (MS11MU Series And MS11PU Series) C: MS11MU-09HRFN1-QRD0W(MS11MI-07HRFN1-QW); MS11MU-09HRFN1-QRD0GW(A); MS11MU-09HRFN1-QRD0GW D: MS11MU-12HRFN1-QRD0W(MS11MU-12HRFN1-QRD0W(B)); MS11MU-12HRFN1-QRD0GW(B); MS11MU-12HRFN1-QRD0GW E: MS11PU-09HRFN1-QRD0W; F: MS11PU-12HRFN1-QRC8W (MS11P1U-12HRFN1-QRD0W); G: MS11MU-18HRFN1-QRC8W (MS11M-18HRFN1-QRC8Q1W); MS11MU-18HRFN1-QRD0GW(B); H: MS11PU-18HRFN1-QW					
Indoor controller C,D	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR26G/ BP3N1 Y-11M.D.11. NP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3 N1Y-AB.D.11.NP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor controller G	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR50G/ BP3N1Y-11M. D.11.NP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor controller E, F, H	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR35G/ BP3N1 Y-11 P.D.11.NP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR70G/BP3N1Y-12TC.D.11.NP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor terminal block For all model	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5B RS9103C RS9103C-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-Ee-5P-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004-5C16	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004-4C23	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Yueqing Jing Grid Electric Co., Ltd.	JGD-ZR5-P-1	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for C, D, E, F,H	Panasonic Industrial(China) Co.,Ltd.	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura(Zhejiang)Corp. Rotation	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co.,Ltd.	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for G	Panasonic Industrial(China) Co.,Ltd.	WZDK50-38G (ZKFP-50-8-2)	DC310V; 50W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura(Zhejiang)Corp. Rotation	WZDK50-38G (ZKFP-50-8-2)	DC310V; 50W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co.,Ltd.	WZDK50-38G (ZKFP-50-8-2)	DC310V; 50W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

Indoor transformer	Dongguan Dazhong	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373, 3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3 VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3 VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd)	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3 VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fuse for all model	Shanghai Songshan Electronic Co.,Ltd	RT1	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Hollyland Co.Ltd	50T	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Shanghai Songshan Electronic Co, Ltd	RT1-20	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wholesome Electronic &Electric Products Co., Ltd	50T	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618-Serie(s)	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wickmann-Werke Gmbh	195	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Walter Electronic Co.,Ltd.	TSD	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Relay I for all model	Omron Corp	G5NB-1A-E	AC250V; 5A; Tmark:85ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM	5A; 277VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Tyco Electronics Ec K.K	PCJ-112D3M	AC250V; 5A; T mark: 85ºC; 10E4	EN/IEC 61810-1	VDE

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM SJ-S-112DMG	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Tyco Electronics Ec K.K	PCJ-112D3M	AC250V; 5A; T mark: 85ºC;10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corp	G5NB-1A-E	AC250V; 5A; T mark: 85ºC;10E4	EN/IEC 61810-1	VDE
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Zhejiang Hke Relay Co. Ltd.	HRS3-S-DC12V-A	5A; 250VAC; T85 ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; T85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2(MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	307-1AH-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JZC-32F	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RC-112DM1	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh

(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RC-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh
Relay II for all model	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Electronic Component(Shenzhen)LTD	G4A-1A-E	250VAC;20A;T-mark: 85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Omron Electronic Component(Shenzhen)LTD	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA5-112LM	30A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh

(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA5-112LM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA2 -112LM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Sanyo	SLI-S-112DM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
X2 capacitor	Xiamen Faratronic Co. Ltd.	MKP61 or MKP62	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Anhui Xinyang Electronics Co., Ltd.	MPX/MPK/MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	B32923C3105M005	1uF 305VAC	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE
Varistor	Ceramate Techn. Co., Ltd	GNR 14D681K	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.	CNR 14D681K	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE

(Alternative)	Foshan Kestar Electronic Co.	14D681K-M	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Kestar Electronic Co.,Ltd	MYG14-681 (MYN14-681A)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681K-M or CNJU 14D681K-K)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic &Information Co.,Ltd.	MYG3-14K681 (MYG3 14K420)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D681K (GNR14D681 KM)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshan Kexin Electrical Appliances Co., Ltd	KVR MYN14-681A	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581 KM)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-M (S14K420)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-K (S14K420)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681M (MYG14K681)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681N (MYG14K681)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD
(Alternative)	Jiangsu Suzhou Purification Group Suzhou Zhongpu Electronics Co.,Ltd.	GNR 14D681KM	AC680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
Indoor Bridge Rectifier for all model	Leshan Radio Company, Ltd.	GBU4K	800VAC; 4A	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Microsemi	GBU408	800VAC; 4A	EN 60335-1 EN 60335-2-40	Tested with appliance
Opt-coupler	Toshiba	TLP521-1GB	Operating Temp,: 55-100°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
Step (Louver) motor for C, D	Taishan City Kexinte Motor Products Co.,Ltd	MP24GA5	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP24GA5	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP24GA5	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA5	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP24GA5	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA5	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP24GA5	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

Step motor for G	Taishan City Kexinte Motor Products Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor I for E,F,H	Taishan City Kexinte Motor Products Co.,Ltd	MP35HA1 (SM-35-27-24-19)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP35HA1 (SM-35-27-24-19)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP35HA1 (SM-35-27-24-19)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP35HA1 (SM-35-27-24-19)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP35HA1 (SM-35-27-24-19)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP35HA1 (SM-35-27-24-19)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP35HA1 (SM-35-27-24-19)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor II for E,F,H	Taishan City Kexinte Motor Products Co.,Ltd	MP24GA20 (SM-24-19-16-36)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP24GA20 (SM-24-19-16-36)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP24GA20 (SM-24-19-16-36)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA20 (SM-24-19-16-36)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Huilip Motor Co., Ltd.	MP24GA20 (SM-24-19-16-36)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA20 (SM-24-19-16-36)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP24GA20 (SM-24-19-16-36)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor III for E,F,H	Taishan City Kexinte Motor Products Co.,Ltd	MP2835J (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP2835J (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP2835J (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP2835J (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP2835J (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP2835J (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP2835J (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor IV for E, F, H	Taishan City Kexinte Motor Products Co.,Ltd	MP24GA16 (SM-24-19-16-42)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP24GA16 (SM-24-19-16-42)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP24GA16 (SM-24-19-16-42)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA16 (SM-24-19-16-42)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP24GA16 (SM-24-19-16-42)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA16 (SM-24-19-16-42)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP24GA16 (SM-24-19-16-42)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Electrolytic capacitor	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
C: MS9AU-09HRDN1-QRC8W D: MS9AI-09HRDN1-QRC8 ; MS9AU-12HRDN1-QRC8W; F1: MS9AU-18HRFN1-QRC8W ;G: MS9AI-07HRFN1-QRC8 ; MS9AI-07HRFN1-Q					
Indoor Controller C, D	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR26G/BP2N1Y-C(1W).D.11.NP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Controller F1	GD Midea Air-Conditioning Equipment Co., Ltd.	SA-KFR26G/BP2N1EY-C(D2).D.11.NP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Controller G	GD Midea Air-Conditioning Equipment Co., Ltd.	SA-KFR26G/BP3N1EY-C(D2).D.11.NP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor terminal block For all model	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5B RS9103C RS9103C-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-Ee-5P-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004-5C16	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004-4C23	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Yueqing Jing Grid Electric Co., Ltd.	JGD-ZR5-P-1	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for C, D	Guangdong Welling Motor Manufacturing Co., Ltd.	RPG20D (YKFG-20-4-7)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Zhonshang Broad-Ocean Motor Co.,Ltd	RPG20D (YKFG-20-4-7)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhuhai City Tongde Electric Equipment Co.,Ltd	RPG20D (RPG20D-1) (YKFG-20-4-7)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhejiang Wolong Home Appliance Motor Co.,Ltd	RPG20D (YKFG-20-4-7)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for F1	Panasonic Motor (Hangzhou) Co., Ltd	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W,ClassE	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura(Zhejiang) Corp. Rotation	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W, ClassE	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W, ClassE	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for G	Panasonic Motor (Hangzhou) Co., Ltd	WZDK20-38G (ZKFP-20-8-7)	DC310V; 20W, ClassE	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura(Zhejiang) Corp. Rotation	WZDK20-38G (ZKFP-20-8-7)	DC310V; 20W, ClassE	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK20-38G (ZKFP-20-8-7)	DC310V; 20W, ClassE	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor protector for RPG20D	Changzhou Newzone Desheng Electric Appliance Co.,Ltd	BR-B1D	250VAC; Tf: 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Chang Zhou City Tong Li Electronic Co. Ltd.	KW-C2-90 (KW-C2)	250VAC; Tf: 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Shengzhou Ganlin Wangshi Thermal Protector Factory	JW Series	250VAC; Tf: 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Sensata Technologies Changzhou Co., Ltd.	BRL2D	250VAC; Tf: 90°C	EN 60730-1 EN 60730-2-2	KEMA
(Alternative)	Changzhou New Zone Desheng Electric Appiance Co., Ltd.	BR-B3D	250VAC; Tf: 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Changzhou New Zone Desheng Electric Appiance Co., Ltd.	BR-B5D	250VAC; Tf: 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Sensata Technologies Holland. B.V.	8CM	277VAC; 6A; Tf: 90°C	EN 60730-1 EN 60730-2-2	KEMA

(Alternative)	Sensata Technologies Holland. B.V.	17AM	277VAC; 8A; Tf: 90°C	EN 60730-1 EN 60730-2-2	KEMA
Indoor fan motor capacitor for C, D,	Panasonic Electronic Devices (Jiangmen) Co., Ltd.	451xKY seeries	450VAC; 50/60Hz; P2; Class B; 1,5µF; 70°C	EN/IEC 60252-1	TUV Rh R 50145353
Indoor transformer for F1	Dongguan Dazhong	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3 VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3 VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3 VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co., Ltd.)	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3 VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor transformer for C, D,	Dongguan Dazhong	E16072	EE16; 212,1~373,3 VDC; output: 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang	E16072	EE16; 212,1~373,3 VDC; output: 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E16072	EE16; 212,1~373,3 VDC; output: 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maanshan Coiner Electronics Co.,Ltd.).	E16072	EE16; 212,1~373,3 VDC; output: 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor transformer for G	Dongguan Dazhong	E19016	EE19; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang	E19016	EE19; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E19016	EE19; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maanshan Coiner Electronics Co.,Ltd.)	E19016	EE19; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd	E19016	EE19; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Fuse I for all model	Shanghai Songshan Electronic Co.,Ltd	RT1	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Hollyland Co.Ltd	50T	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Shanghai Songshan Electronic Co, Ltd	RT1-20	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wholesome Electronic &Electric Products Co., Ltd	50T	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618-Serie(s)	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wickmann-Werke Gmbh	195	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Walter Electronic Co.,Ltd.	TSD	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Relay I (Optional)	Omron Corp	G5NB-1A-E	AC250V; 5A; Tmark:85ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM	5A; 277VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Tyco Electronics Ec K.K	PCJ-112D3M	AC250V; 5A; T mark: 85ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM SJ-S-112DMG	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Tyco Electronics Ec K.K	PCJ-112D3M	AC250V; 5A; T mark: 85ºC;10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corp	G5NB-1A-E	AC250V; 5A; T mark: 85ºC;10E4	EN/IEC 61810-1	VDE

(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Zhejiang Hke Relay Co. Ltd.	HRS3-S-DC12V-A	5A; 250VAC; T85 ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; T85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2(MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	307-1AH-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JZC-32F	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RC-112DM1	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
Relay II for all model	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM SFK-112DMG	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Electronic Component(Shenzhen)LTD	G4A-1A-E	250VAC;20A;T-mark: 85°C; 10E4	EN/IEC 61810-1	TUV Rh

(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Omron Electronic Component(Shenzhen)LTD	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA5-112LM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA2 -112LM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Sanyou	SLI-S-112DM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
X2 capacitor	Xiamen Faratronic Co. Ltd.	MKP61 or MKP62	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE

(Alternative)	Anhui Xinyang Electronics Co., Ltd.	MPX/MPK/MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	B32923C3105 M005	1uF; 305VAC	EN/IEC 60384-14	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	B32923C3105 M005	1uF; 305VAC	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE
Varistor	Ceramate Techn. Co., Ltd	GNR 14D681K	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.	CNR 14D681K	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Kestar Electronic Co.,Ltd	MYG14-681 (MYN14-681A)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681K-M or CNJU 14D681K-K)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic &Information Co.,Ltd.	MYG3-14K681 (MYG3 14K420)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D681K (GNR14D681 KM)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshan Kexin Electrical Appliances Co., Ltd	KVR MYN14-681A	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE

(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-M (S14K420)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-K (S14K420)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681M (MYG14K681)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681N (MYG14K681)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD
(Alternative)	Jiangsu Suzhou Purification Group Suzhou Zhongpu Electronics Co.,Ltd.	GNR 14D681KM	AC680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
Indoor Bridge Rectifier for C, D, G, F1	Yangzhou Yangjie Electronic Co.,Ltd.	GBP	GBP206,600VAC; 2A	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor for C, D, G	Taishan City Kexinte Motor Products Co.,Ltd	MP2835 (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP2835 (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP2835 (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP2835 (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP2835 (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP2835 (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP2835 (SM-28-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor for F1	Taishan City Kexinte Motor Products Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Leili	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Electrolytic capacitor for C, D	Panasonic	ECA2WHG100	400VAC or 450VAC; 10μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghao Electron	CD263	400VAC or 450VAC; 10μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD263	400VAC or 450VAC; 10μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC; 10μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Electrolytic capacitor for G,F1	Jianghao Electron	CD289A	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	EN 60335-1 EN 60335-2-40	Tested with appliance
A:MS12FU-09HRDN1-QRC8W; MS12FU-09HRDN1-QRC8GW; MS12FU-12HRDN1-QRC8GW; B: MS12FU-09HRFN1-QRD0GW; MS12FU-09HRFN1-QRD0GW(B); MS12FU-12HRFN1-QRC8W; MS12FU-09HRDN1-QRD0GW; MS12FU-12HRFN1-QRD0GW; MS12FU-12HRFN1-QRD0GW(B) C:MS12FU-18HRFN1-QRC8W; MS12FU-18HRFN1-QRC8GW; MS12FU-18HRFN1-QRD0GW; MS12FU-18HRFN1-QRD0GW(B); D: MS12FI-07HRDN1-QRC8W					
Indoor Controller B,C	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR26G/BP3N1Y-11M.D.11.NP2-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3N1Y-AB.D.11.NP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Controller A,D	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR26G/BP2N1Y-11M.D.11.NP2-1(ZB)	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor terminal block For all model	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5B RS9103C RS9103C-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-Ee-5P-5	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004-5C16	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004-4C23	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Yueqing Jing Grid Electric Co., Ltd.	JGD-ZR5-P-1	250VAC; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for A,D	Guangdong Welling Motor Manufacturing Co., Ltd.	RPG20E(RPG 20D-2) (YKFG-20-4-30)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhonshang Broad-Ocean Motor Co.,Ltd	RPG20E (YKFG-20-4-30)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhuhai City Tongde Electric Equipment Co.,Ltd	RPG20E(RPG 20E-1) (YKFG-20-4-30)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhejiang Wolong Home Appliance Motor Co.,Ltd	RPG20E (YKFG-20-4-30)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for C	Panasonic Motor (Hangzhou) Co., Ltd	WZDK30-38G (ZKFP-30-8-5)	DC310V; 30W, ClassE	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura(Zhejiang) Corp. Rotation	WZDK30-38G (ZKFP-30-8-5)	DC310V; 30W, ClassE	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK30-38G (ZKFP-30-8-5)	DC310V; 30W, ClassE	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for B	Panasonic Motor (Hangzhou) Co., Ltd	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W, Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura(Zhejiang) Corp. Rotation	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W, Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W, Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

Indoor fan motor protector for RPG20E	Changzhou Newzone Desheng Electric Appliance Co.,Ltd	BR-B1D	250VAC; Tf : 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Chang Zhou City Tong Li Electronic Co. Ltd.	KW-C2-90 (KW-C2)	250VAC; Tf : 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Shengzhou Ganlin Wangshi Thermal Protector Factory	JW Series	250VAC; Tf : 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Sensata Technologies Changzhou Co., Ltd.	BRL2D	250VAC; Tf : 90°C	EN 60730-1 EN 60730-2-2	KEMA
(Alternative)	Changzhou New Zone Desheng Electric Appiance Co., Ltd.	BR-B3D	250VAC; Tf : 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Changzhou New Zone Desheng Electric Appiance Co., Ltd.	BR-B5D	250VAC; Tf : 90°C	EN 60730-1 EN 60730-2-2	VDE
(Alternative)	Sensata Technologies Holland. B.V.	8CM	277VAC; 6A; Tf : 90°C: 6000	EN 60730-1 EN 60730-2-2	KEMA
(Alternative)	Sensata Technologies Holland. B.V.	17AM	277VAC; 8A; Tf : 90°C	EN 60730-1 EN 60730-2-2	KEMA
Indoor fan motor capacitor for A,D	Panasonic Electronic Devices (Jiangmen) Co., Ltd.	451 series	450VAC; 50/60Hz; P2; Class B; 1,5µF; 70°C	EN/IEC 60252-1	TUV Rh R 50145353
Indoor transformer for B,C	Dongguan Dazhong	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maanshan Coiner Electronics Co.,Ltd.)	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Shekou Jewel Electronic Co.,Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor transformer for A,D	Dongguan Dazhong	E16072	EE16; 212,1~373,3VDC; output: 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang	E16072	EE16; 212,1~373,3VDC; output: 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E16072	EE16; 212,1~373,3VDC; output: 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maanshan Coiner Electronics Co.,Ltd.).	E16072	EE16; 212,1~373,3VDC; output: 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd	E16072	EE16; 212,1~373,3VDC; output: 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fuse for all model	Shanghai Songshan Electronic Co.,Ltd	RT1	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Hollyland Co.Ltd	50T	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Shanghai Songshan Electronic Co, Ltd	RT1-20	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wholesome Electronic &Electric Products Co., Ltd	50T	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618-Serie(s)	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wickmann-Werke Gmbh	195	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Walter Electronic Co.,Ltd.	TSD	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Relay I	Omron Corp	G5NB-1A-E	AC250V; 5A; Tmark:85°C; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM	5A; 277VAC; T mark: 85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Tyco Electronics Ec K.K	PCJ-112D3M	AC250V; 5A; T mark: 85°C; 10E4	EN/IEC 61810-1	VDE

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM SJ-S-112DMG	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Tyco Electronics Ec K.K	PCJ-112D3M	AC250V; 5A; T mark: 85ºC;10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corp	G5NB-1A-E	AC250V; 5A; T mark: 85ºC;10E4	EN/IEC 61810-1	VDE
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Zhejiang Hke Relay Co. Ltd.	HRS3-S-DC12V-A	5A; 250VAC; T85 ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; T85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2(MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	307-1AH-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JZC-32F	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RC-112DM1	5A; 250VAC;T mark: 90ºC;10E4	EN/IEC 61810-1	TUV Rh

Relay II for all model	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM SFK-112DMG	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE
(Alternative)	Omron Electronic Component(Shenzhen)LTD	G4A-1A-E	250VAC;20A;T-mark: 85°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Omron Electronic Component(Shenzhen)LTD	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA5-112LM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd	RA2 -112LM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Sanyou	SLI-S-112DM	250VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh

X2 capacitor	Xiamen Faratronic Co. Ltd.	MKP61 or MKP62	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Anhui Xinyang Electronics Co., Ltd.	MPX/MPK/MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	B32923C3105 M005	1uF 305VAC	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE
(Alternative)	Anhui Xinyang Electronics Co., Ltd.	MKP61R-X2	275VAC; 333M; 224K;;474K; T 85°C or above; X2	EN/IEC 60384-14	VDE
(Alternative)	Xiamen Faratronic Co. Ltd	MKP61R-X2	300~103M+120Ω; 85°C or above; AC275V	EN/IEC 60384-14	VDE
(Alternative)	Epcos (Zhuhai Ftz) Co.,Ltd	B32923C3155 M005	1,5µF; 305VAC; T 85°C or above; X2	EN/IEC 60384-14	VDE
Varistor	Ceramate Techn. Co., Ltd	GNR 14D681K	AC350-1000V;50A; T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.	CNR 14D681K	AC50-510V;50A; T85 ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681	AC50-300V; 50A; T85 ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M	AC50-300V;50A; T85 ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE

(Alternative)	Kestar Electronic Co.,Ltd	MYG14-681 (MYN14-681A)	AC681V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681K-M or CNJU 14D681K-K)	AC50-680V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic &Information Co.,Ltd.	MYG3-14K681 (MYG3 14K420)	AC50-300V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D681K (GNR14D681 KM)	AC350-1000V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshan Kexin Electrical Appliances Co., Ltd	KVR MYN14-681A	AC681V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-M (S14K420)	AC420V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40027582
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-K (S14K420)	AC420V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681M (MYG14K681)	AC680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681N (MYG14K681)	AC680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD
(Alternative)	Jiangsu Suzhou Purification Group Suzhou Zhongpu Electronics Co.,Ltd.	GNR 14D681KM	AC680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
Indoor Bridge Rectifier	Yangzhou Yangjie Electronic Co.,Ltd.	GBP	GBP206,600VAC; 2A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	800V/4A	EN 60335-1 EN 60335-2-40	Tested with appliances
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000VAC; 4A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Microsemi	GBU408	800V/4A	EN 60335-1 EN 60335-2-40	Tested with appliances
(Alternative)	Microsemi	GBU410	1000V/4A	EN 60335-1 EN 60335-2-40	Tested with appliances
(Alternative)	Leshan Share Electronic Co.,Ltd	GBU410	1000V/4A	EN 60335-1 EN 60335-2-40	Tested with appliances
(Alternative)	Leshan Radio Co.,Ltd	US4KB100R(BP)	1000V/4A	EN 60335-1 EN 60335-2-40	Tested with appliances

Opt-coupler	Toshiba	TLP521-1GB	Operating Temp,: 55-100°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Toshiba	TLP620	Operating Temp,: 55-100°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Vishay	SFH620A-3	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Renesas(Nec)	PS2505(2505)	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor	Taishan City Kexinte Motor Products Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Electrolytic capacitor for A, D	Panasonic	ECA2WHG100	400VAC or 450VAC; 10μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghao Electron	CD263	400VAC or 450VAC; 10μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD263	400VAC or 450VAC; 10μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC; 10μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Electrolytic capacitor for B,C	Jianghao Electron	CD289A	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
A:MFAI-07HRFN1-QRC8 B:MFAI-09HRFN1-QRC8 C:MFAU-12HRFN1-QRC8, MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B), D:MFAI-18HRFN1-QRC8					
Indoor controller	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR53Z/BP3N1Y-A.D.1.1.1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor terminal block For all model	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004A	660V 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9413-4A1	450V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9413-4	450V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance

Indoor fan motor	Guangdong Welling Motor Manufacturing Co.,Ltd	RD-280-20-8A (ZKFP-20-8-2)	DC280V; 20W ; class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic Motor (Hangzhou) Co., Ltd(Panasonic)	RD-280-20-8A (ZKFP-20-8-2)	20W ; class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidecshibaura(Zhejiang) Corp.	RD-280-20-8A (ZKFP-20-8-2)	20W ; class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor transformer	Dongguan Dazhong	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huizhou Jiayang	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co.,Ltd. Zhongshan Coin Electronics Co.,Ltd. (Maanshan Coiner Electronics Co Ltd)	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fuse for all model	Shanghai Songshan Electronic Co.,Ltd	RT1	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Hollyland Co.Ltd	50T	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Shanghai Songshan Electronic Co, Ltd	RT1-20	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wholesome Electronic &Electric Products Co., Ltd	50T	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE

(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618-Serie(s)	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Wickmann-Werke Gmbh	195	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Walter Electronic Co.,Ltd.	TSD	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 5AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
X2 capacitor	Xiamen Faratronic Co. Ltd.	MKP61 or MKP62	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Anhui Xinyang Electronics Co., Ltd.	MPX/MPK/MKP	275VAC; 0,033µF and 0,1µF and 0,22µF and 0,47µF and 1,0µF; T 85°C or above; X2	EN 60384-14	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	B32923C3105 M005	1uF 305VAC	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE
Varistor	Ceramate Techn. Co., Ltd	GNR 14D681K	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.	CNR 14D681K	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE

(Alternative)	Foshan Kestar Electronic Co.	14D681K-M	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Kestar Electronic Co.,Ltd	MYG14-681 (MYN14-681A)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681K-M or CNJU 14D681K-K)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Xian Xiwuer Electronic &Information Co.,Ltd.	MYG3-14K681 (MYG3 14K420)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D681K (GNR14D681 KM)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Foshankexin Electrical Appliances Co., Ltd	KVR MYN14-681A	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581 KM)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-M (S14K420)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Epcos(Zhuhai Ftz)Co.,Ltd	14D681K-K (S14K420)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681M (MYG14K681)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K681N (MYG14K681)	T85ºC	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD
(Alternative)	Jiangsu Suzhou Purification Group Suzhou Zhongpu Electronics Co.,Ltd.	GNR 14D681KM	AC680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE
Indoor Bridge Rectifier for all model	Leshan Radio Company, Ltd.	GBU4K	800VAC; 4A	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Microsemi	GBU408	800VAC; 4A	EN 60335-1 EN 60335-2-40	Tested with appliance
Opt-coupler	Toshiba	TLP521-1GB	Operating Temp,: 55-100°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor I	Taishan City Kexinte Motor Products Co.,Ltd	MP20YBJ46-D (SM-20-20-12-1)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP20YBJ46-D (SM-20-20-12-1)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP20YBJ46-D (SM-20-20-12-1)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP20YBJ46-D (SM-20-20-12-1)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP20YBJ46-D (SM-20-20-12-1)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP20YBJ46-D (SM-20-20-12-1)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Leili	MP20YBJ46-D (SM-20-20-12-1)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor II	Taishan City Kexinte Motor Products Co.,Ltd	MP24YBJ-D (SM-24-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP24YBJ-D (SM-24-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP24YBJ-D (SM-24-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24YBJ-D (SM-24-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP24YBJ-D (SM-24-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24YBJ-D (SM-24-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leili	MP24YBJ-D (SM-24-19-16-12)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Electrolytic capacitor	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Unit : G: MSTCAU-09HRFN1-QRD0GW, MSTCAU-09HRFN1-QRD0GW(B) H: MSTCBU-12HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW(B) I: MSTCCU-18HRFN1-QRD0GW, MSTCCU-18HRFN1-QRD0GW(E)					
Indoor Controller for G,H,I	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3N1Y-AB.D.11.NP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor terminal block for G,H,I	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-5	250V 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-Ee-5P-5	250V 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5 RS9103C	250VAC 4mm^2	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Grid Electric Co., Ltd. Yueqing Jing	JGD-ZR5-P-1	250V 4mm^2	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450V 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for G,H	Panasonic Motor (Hangzhou) Co., Ltd	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp.	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co.,Ltd. （Welling(Wuhu) Motor Manufacturing Co.,Ltd.）	WZDK20-38G (ZKFP-20-8-6)	DC280V; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for I	Panasonic Motor (Hangzhou) Co., Ltd	WZDK30-38G (ZKFP-30-8-5)	DC310V; 30W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp.	WZDK30-38G (ZKFP-30-8-5)	DC310V; 30W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co.,Ltd. Welling (Wuhu) Motor Manufacturing Co.,Ltd.)	WZDK30-38G (ZKFP-30-8-5)	DC310V; 30W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor transformer for G,H,I	Dongguan Dazhong Electronic Co.,Ltd.	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maansha n Coiner Electronics Co Ltd).	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd (Js)	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Fuse	Hollyland Co., Ltd.	50T	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Wickmam -Werke Gmbh	195	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40001375
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
Relay	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	250VAC/25A, T85℃ 10E4	EN/IEC 61810-1	TÜV RhR 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM(SFK-112DM(G))	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC,100K,85℃	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50214482
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Omron Electronic Component(Shen zhen)Ltd	G4A-1A-E	250VAC; 20A; T-mark: 85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50214482
(Alternative)	Omron Electronic Component(Shen zhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714

(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50057260
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50003996
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RA2-112LM	250VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Yueqing Meishuo Electric Co., Ltd	G4A-1A-E-CN	20A,250V AC	EN/IEC 61810-1	VDE 107293
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HK-112DM	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258458
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	TUV Rh AN 09857507
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh R 50184977
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 474K, 333M,; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 474K, 333M,; T 85°C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 474K, 333M,; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 474K, 333M,; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 474K, 333M,; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 474K, 333M,; T 85°C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 474K, 333M,; T 85°C or above; X2	EN/IEC 60384-14	VDE40010694

(Alternative)	Xinyuan Electronic Co.,Ltd	MPX/MKP	275VAC; 474K, 333M,; T 85°C or above; X2	EN/IEC 60384-14	VDE40027433
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE 40001876
Varistor	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681 KM)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681K-M)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Centra Science Corp.(Cnju)	CNJU 14D681K-M	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 127029
(Alternative)	Foshan Kexin Electrical Appliances Co.,Ltd	KVR MYN14-681A	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M(S14 K420)	AC420V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14 K 681)	AC680V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Panasonic	E14681	680V	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40035231

(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K	680V	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-K	680V	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-M(CNR(OLD)	680V	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
Step motor for G,H	Changchou Leili Electrical Equipment Co., Ltd.	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Step motor for I	Changchou Leili Electrical Equipment Co., Ltd.	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co.,Ltd	MP30EA4 (SM-30-17-12-5)	DC12V; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Electrolytic capacitor	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Panasonic	CE(M)	400VAC or 450VAC,82μF; VENT 105°C	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Bridge Rectifier	Leshan Radio Company, Ltd.	GBU4K	800V/4A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000VAC; 4A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Microsemi	GBU408	800V/4A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Microsemi	GBU410	1000V/4A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd	GBU410	1000V/4A	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Radio Co.,Ltd	US4KB100R(BP)	1000V/4A	EN 60335-1 EN 60335-2-40	Tested with appliance
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Unit : J: MSABAU-07HRFN1-QRD0GW, MSABAU-07HRFN1-QRD0GW(B), B-MSABAU-07HRFN1-QRD0GW(B), K: MSABAU-09HRFN1-QRD0GW, MSABAU-09HRFNX-QRD0GW, B-MSABAU-09HRFNX-QRD0GW, MSABAU-09HRFN1-QRD0GW(B), B-MSABAU-09HRFN1-QRD0GW(B), L: MSABBU-12HRFN1-QRD0GW, MSABBU-12HRFNX-QRD0GW, B-MSABBU-12HRFNX-QRD0GW, MSABBU-12HRFN1-QRD0GW(B), B-MSABBU-12HRFN1-QRD0GW(B), MSABDU-18HRFN1-QRD0GW, MSABDU-18HRFNX-QRD0GW, B-MSABDU-18HRFNX-QRD0GW, MSABDU-18HRFN1-QRD0GW(B), B-MSABDU-18HRFN1-QRD0GW(B), MSMBAU-09HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW(B), MSMBBU-12HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW(B), MSMBCU-18HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW(B) M: MSABAU-09HRDN1-QRC8GW, N: MSABBU-12HRDN1-QRC8GW, O: MSABDU-18HRDN1-QRC8GW, MS12FU-09HRDN1-QRD0GW(B), MS12FU-09HRDN1-QRD0GW, MS12FU-12HRDN1-QRD0GW(C), MS12FU-12HRDN1-QRD0GW					
Indoor Controller for J, K, L	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3N1Y-AB.D.11.NP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor Controller for M, N, O	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP2N1Y-AB.D.11.NP1-1	220-240VAC; 50Hz	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor terminal block for J, K, L, M, N, O	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-5	250V 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-Ee-5P-5	250V,4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5 RS9103C	250VAC 4mm^2	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Grid Electric Co., Ltd. Yueqing Jing	JGD-ZR5-P-1	250V 4mm^2	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450V 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205A	450V 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor terminal block	Nantong Huaguan Electric Co., Ltd.	JXW-5-M	450V 4mm^2	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205B	450V 4mm^2	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for J, K, L	Panasonic Motor (Hangzhou) Co., Ltd	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp.	WZDK20-38G (ZKFP-20-8-6)	DC310V; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co.,Ltd.(Welling(Wuhu)Motor Manufacturing Co.,Ltd.)	WZDK20-38G (ZKFP-20-8-6)	DC280V; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for M,N	Guangdong Welling Motor Manufacturing Co.,Ltd.(Welling(Wuhu)Motor Manufacturing Co.,Ltd.)	RPG20E (YKFG-20-4-5)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhonshang Broad-Ocean Motor Co.,Ltd	RPG20E (YKFG-20-4-5)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhuhai City Tongde Electric Equipment Co.,Ltd	RPG20E (YKFG-20-4-5)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhejiang Wolong Home Appliance Motor Co.,Ltd	RPG20E (YKFG-20-4-5)	220-240VAC; 50Hz; 20W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Indoor fan motor for O	Guangdong Welling Motor Manufacturing Co.,Ltd.(Welling(Wuhu)Motor Manufacturing Co.,Ltd.)	RPG28D (YKFG-28-4-3)	220-240VAC; 50Hz; 28W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhonshang Broad-Ocean Motor Co,,Ltd	RPG28D (YKFG-28-4-3)	220-240VAC; 50Hz; 28W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhejiang Wolong	RPG28D (YKFG-28-4-3)	220-240VAC; 50Hz; 28W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Zhuhai Tongde	RPG28D (YKFG-28-4-3)	220-240VAC; 50Hz; 28W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Jiangsu Xinya	RPG28D (YKFG-28-4-3)	220-240VAC; 50Hz; 28W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Baoli	RPG28D (YKFG-28-4-3)	220-240VAC; 50Hz; 28W; Class E	EN 60335-1 EN 60335-2-40	Tested with appliance
Fan motor protector for RPG20E	Wujin Control Electrical Appliances Plant	BW series	AC250V; 8A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 107747
(Alternative)	Guangzhou Guangbao Electrica Equipment Co.,Ltd	T11	AC250V; 8A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 0531/12.33
(Alternative)	Sensata Technologieschangzhou Co.Ltd	8CM	AC250V; 8A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	KEMA 2014531.02
(Alternative)	Changzhou New Zone Desheng Electric Appliance Co.,Ltd	BR series	AC250V; 8A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 132813
(Alternative)	Changzhou Newzone Desheng Electric Appliance Co., Ltd.	BR-A	250VAC; 6A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40015893
(Alternative)	Chang Zhou City Tong Li Electron & Electric Appliance Factory	KW-C2-90 (KW-C2)	250VAC; 6A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40004418
(Alternative)	Shengzhou Ganlin Wangshi Thermal Protector Factory	JW series	250VAC; 5A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40006013
(Alternative)	Sensata Technologies Holland. B.V.	BW	250VAC; 6A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40013915
(Alternative)	Sensata Technologies Holland. B.V.	8CM	277VAC; 6A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	KEMA 2014531.02
(Alternative)	Changzhou Newzone Desheng Electric Appliance Co.,Ltd	BR-B1D or BR-B3D or BR-B5D	250VAC; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 132813
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-A*	AC 250 V; 6 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40015893
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B3D***	AC 250 V 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 132813
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	18AM-B	AC 250 V; 6 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40022813

(Alternative)	Sensata Technologies China Co., Ltd	8CM	AC 277 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	CQC 120020791 08
(Alternative)	Sensata Technologies China Co., Ltd	17AM	AC 250 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 100935
(Alternative)	Sensata Technologies China Co., Ltd	6AM	AC 250 V; 6 A; 90°C	EN 60730-1 EN 60730-2-2	CQC 120020686 52
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-A2	AC 250 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-C2	AC 250 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B5D-90°C	250VAC; 5A; 90°C;	EN 60730-1 EN 60730-2-2	VDE 40040873
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B5D	90 °C	EN 60730-1 EN 60730-2-2	VDE 40015894
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B3D	90 °C	EN 60730-1 EN 60730-2-2	VDE 132813
(Alternative)	Changzhou Changhong Tongli Electric Appliance Co., Ltd	KW-C2	90 °C	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-A	90°C; 6A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40040873
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B5D	90°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40040873
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-A2	90°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-C2	90°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	18AM-B	90°C; 6A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40022813
(Alternative)	Sensata Technologies China Co., Ltd	17AM	90°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 100935

Fan motor protector for RPG28D	Wujin Control Electrical Appliances Plant	BW series	AC250V; 8A; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 107747
(Alternative)	Guangzhou Guangbao Electrica Equipment Co.,Ltd	T11	AC250V; 8A; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 0531/12.33
(Alternative)	Sensata Technologieschangzhou Co.Ltd	8CM	AC250V; 8A; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	KEMA 2014531.02
(Alternative)	Changzhou Newzone Desheng Electric Appliance Co.,Ltd	BR series	AC250V; 8A; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 132813
(Alternative)	Changzhou Newzone Desheng Electric Appliance Co.,Ltd	BR-A	250VAC; 6A; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40015893
(Alternative)	Chang Zhou City Tong Li Electron & Electric Appliance Factory	KW-C2-100 (KW-C2)	250VAC; 6A; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40004418
(Alternative)	Shengzhou Ganlin Wangshi Thermal Protector Factory	JW series	250VAC; 5A; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40006013
(Alternative)	Sensata Technologies Holland. B.V.	BW	250VAC; 6A; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40013915
(Alternative)	Sensata Technologies Holland. B.V.	8CM	277VAC; 6A; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	KEMA 2014531.02
(Alternative)	Changzhou Newzone Desheng Electric Appliance Co.,Ltd	BR-B1D or BR-B3D or BR-B5D	250VAC; Tf : 100°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 132813
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-A	100°C; 6A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40040873
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B5D	100°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40040873
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-A2	100°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-C2	100°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	18AM-B	100°C; 6A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40022813

(Alternative)	Sensata Technologies China Co., Ltd	17AM	100°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 100935
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-A*	AC 250 V; 6 A; 100°C	EN 60730-1 EN 60730-2-2	VDE 40015893
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B3D***	AC 250 V 8 A; 100°C	EN 60730-1 EN 60730-2-2	VDE 132813
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	18AM-B	AC 250 V; 6 A; 100°C	EN 60730-1 EN 60730-2-2	VDE 40022813
(Alternative)	Sensata Technologies China Co., Ltd	8CM	AC 277 V; 8 A; 100°C	EN 60730-1 EN 60730-2-2	CQC 120020791 08
(Alternative)	Sensata Technologies China Co., Ltd	17AM	AC 250 V; 8 A; 100°C	EN 60730-1 EN 60730-2-2	VDE 100935
(Alternative)	Sensata Technologies China Co., Ltd	6AM	AC 250 V; 6 A; 100°C	EN 60730-1 EN 60730-2-2	CQC 120020686 52
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-A2	AC 250 V; 8 A; 100°C	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-C2	AC 250 V; 8 A; 100°C	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B5D-100°C	250VAC; 5A; 100°C;	EN 60730-1 EN 60730-2-2	VDE 40040873
Fan motor capacitor for M,N,O	Panasonic Electronic Devices (Jianggmen) Co.,Ltd.	451 series	450VAC; 50/60Hz; P2; B; 1,5µF; T70°C	EN/IEC 60252-1	TUV Rh 50145353
(Alternative)	Sheng Ye Electrical Co Ltd	C61-P2	450VAC; 1,5µF ;P2,CLASSC T70,10000	EN/IEC 60252-1	TUV SUD 13 12 73204 010
(Alternative)	Shanghai Haoye Electric Co.,Ltd.	MKPC series	450VAC; 50/60Hz; P2; 1,5µF	EN/IEC 60252-1	VDE400074 05
(Alternative)	Guangdong Fengming Electronic Tech. Co., Ltd	CBB61-P2	450VAC; 50/60Hz; S3/P2; 1,5µF; 40/85/21;	EN 60252-1	TUV Rh R50274996
(Alternative)	Guangdong Shuntai Capacitors & Electrical Equipment Co., Ltd.	CBB61	AC450V; 50/60Hz; S3; B; 1,5µF; T70°C	EN 60252-1	VDE 127134

(Alternative)	Guangdong Shuntai Capacitors & Electrical Equipment Co., Ltd.	CBB61A	AC450V; 50/60Hz; S3; B; 1,5µF; T70°C	EN 60252-1	VDE 127134
(Alternative)	Panasonic Electronic Devices (Jiangmen) Co., Ltd	SH-DPY	450VAC; 50/60Hz; C S3; 10µF	EN 60252-1	TUV: R50141504 TUV: R50145353
(Alternative)	Shanghai Haoye Electric Co., Ltd	CBB61	AC450V; 50/60Hz; P2/S3; 1,5µF; 40/85/21	EN 60252-1	CQC07002020425
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKNS	AC450V; 50/60Hz; P2/S3; 1,5µF; 40/85/21	EN 60252-1	VDE 40026755
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKP-1	AC450V; 50/60Hz; P2/S3; 1,5µF; 40/85/21	EN 60252-1	VDE 40023685
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKP-2	AC450V; 50/60Hz; P2/S3; 1,5µF; 40/85/21	EN 60252-1	CQC13006103328
(Alternative)	Shunde Kesheng Electronic Co., Ltd	CBB61	AC400 V; 50/60Hz; P2/S3; 1,5µF; T70°C	EN 60252-1	VDE: 40009334
(Alternative)	Shunde Kesheng Electronic Co., Ltd	CBB61	AC450V; 50/60Hz; P2/S3; 1,5µF; T70°C	EN 60252-1	VDE: 40009334
(Alternative)	Shunde Kesheng Electronic Co., Ltd	CBB61S	AC450V; 50/60Hz; P2/S3; 1,5µF; T70°C	EN 60252-1	TUV Rh R50276081
(Alternative)	Wuxi Hongguang Capacitor Co., Ltd.	CBB61	AC450V; 50/60Hz; S2; 1,5µF; T70°C	EN 60252-1	TUV Rh R50120588
(Alternative)	Xiamen Faratronic Co., Ltd	C6G	1,5µF; 450VAC; 50/60Hz; B; S3; 40/85/21	EN 60252-1	VDE 40043589
Indoor transformer	Dongguan Dazhong Electronic Co.,Ltd.	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance

(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maansha n Coiner Electronics Co Ltd).	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd (Js)	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Fuse	Hollyland Co., Ltd.	50T	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Wickmam -Werke Gmbh	195	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40001375
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	DongGuan Better Electronics Technology Co., Ltd.	524	T; 5AH; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE 40025424
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50CT	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014869
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	5ET	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	61S	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co., Ltd.	932T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	PSE 15020937

(Alternative)	Dongguan Better Electronic Technology Co Ltd	316	T 3,15 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	334T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5TE	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40036821
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	4T (3.6*10)	T 3,15 A; 350 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	30TS-032H1/H2/L	T 3,15 A; 350 VAC	EN 60127-1 EN 60127-2	CSA LR101178
Relay	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	250VAC/25A, T85 ºC 10E4	EN/IEC 61810-1	TÜV RhR 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM(SFK-112DM(G))	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC,100K,85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50214482
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G4A-1A-E	250VAC; 20A; T-mark: 85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50214482
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714

(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50057260
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50003996
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RA2-112LM	250VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Yueqing Meishuo Electric Co., Ltd	G4A-1A-E-CN	20A,250V AC	EN/IEC 61810-1	VDE 107293
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HK-112DM	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258458
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	TUV Rh AN 09857507
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh R 50184977
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV R50220099
(Alternative)	Yueqing Meishuo Electronics Co., Ltd.	MPY-S-112-A	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-L	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	EF00-1A2-D012-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50117320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd	PCFL-112D2M,1300	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139097
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088

(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHS02-V-112LA	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RA2-112LM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFD-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-S-112DMK	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLA-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92S7D22-12-02	30A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92-4012	30A; 240VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPQ4-S-112D-A	30A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184977
X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE 40000358

(Alternative)	Xiamen Faratronic Co., Ltd.	C4B	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	SEMKO:SE/0366-6
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics (Xiamen) Co., Ltd	MKP	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE40010694
(Alternative)	Xinyuan Electronic Co.,Ltd	MPX/MKP	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE40027433
(Alternative)	Foshan City Xin Yuan Electronic Co.,Ltd (CY)	MKP-X2	275VAC; 333K, 333M, 474K; 474M, T 100°C or above; X2	EN/IEC 60384-14	VDE 40027433
(Alternative)	Shanghai Xiang Ri Ya Electronic Co., Ltd.	MPX/MKP	33nF; 100°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd (Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd (Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE 40001876
(Alternative)	Okaya	SE12001	275VAC; 0,01uf; 0,1uf; ,022uf; 0,033uf; T 85°C or above; X2	EN/IEC 60384-14	SE/0142-9C
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	275VAC; 474K, 333M; 474M, 333K, T 85°C or above; X2	EN/IEC 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	33nF; 100°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	33nF; 100°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40037250

(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	275VAC; 0,01uf; 0,1uf; ,022uf; 0,033uf; T 85°C or above; X2	EN/IEC 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	275VAC; 0,01uf; 0,1uf; ,022uf; 0,033uf; T 85°C or above; X2	EN/IEC 60384-14	VDE 40037250
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE104-MX	275VAC; 0,01uf; 0,1uf; ,022uf; 0,033uf; T 85°C or above; X2	EN/IEC 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE105-MX	275VAC; 0,01uf; 0,1uf; ,022uf; 0,033uf; T 85°C or above; X2	EN/IEC 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE224-MX	275VAC; 0,01uf; 0,1uf; ,022uf; 0,033uf; T 85°C or above; X2	EN/IEC 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE474-MX	275VAC; 0,01uf; 0,1uf; ,022uf; 0,033uf; T 85°C or above; X2	EN/IEC 60384-14	ENEC SE/0142-1
Varistor	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681 KM)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681K-M)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616

(Alternative)	Centra Science Corp.(Cnju)	CNJU 14D681K-M	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 127029
(Alternative)	Foshan Kexin Electrical Appliances Co.,Ltd	KVR MYN14-681A	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M(S14 K420)	AC420V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14 K 681)	AC680V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Panasonic	E14681	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-K	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-M(CNR(OLD)	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	NFC14D681K or NFC14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.(CNJU)	CNR-14D681K (CNJU 14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	PT. Panasonic Industrial Devices Batam	E11621	558 V ~ 682 V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 1300109490 9
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-K (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220

(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KM (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621KMS (NFC14D621K)	620 V;50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K	620 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621 KXXXXH(VDE)	620V; In=3KA; T85°C (UL:T105°C)	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030401
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K	680 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681M (MYG14K681)	680 V, T85°C; 5KA*4	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N (MYG14K681)	680 V, T85°C; 4.5KA*1	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KMS (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681	Φ14; 680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 005944
Step motor for J, K, L, M, N	Changchou Leili Electrical Equipment Co., Ltd.	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance

(Alternative)	Huilip Motor Co., Ltd.	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Leili Motor Co., Ltd.	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Whilip Intelligent Technology Co.,Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Hefei Huilipu Motor Co., Ltd	MP24GA5 (SM-24-19-16-8)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Step motor for O	Changchou Leili Electrical Equipment Co., Ltd.	MP30EA10 (SM-30-17-12-14)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP30EA10 (SM-30-17-12-14)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP30EA10 (SM-30-17-12-14)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP30EA10 (SM-30-17-12-14)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP30EA10 (SM-30-17-12-14)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co.,Ltd	MP30EA10 (SM-30-17-12-14)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Electrolytic capacitor for J,K,L	Jianghao Electron	CD289A	400VAC or 450VAC,82µF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82µF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC,82µF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B3252-S5826-M1	450 V, 82 µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 82 µF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 82uF450V CE 105°C	400VAC or 450VAC; 82µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance

(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	450VDC; 82 µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Electrolytic capacitor for M,N,O	Panasonic	ECA2WHG100	400VAC or 450VAC; 10µF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Jianghao Electron	CD263	400VAC or 450VAC; 10µF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD263	400VAC or 450VAC; 10µF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC; 10µF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor Bridge Rectifier for all model	Leshan Radio Company, Ltd.	GBU4K	800V/4A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000VAC; 4A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Microsemi	GBU408	800V/4A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Microsemi	GBU410	1000V/4A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd	GBU410	1000V/4A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Radio Co.,Ltd	US4KB100R(BP)	1000V/4A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Taiwan Semiconducor	GBU407	1000V;4A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	PAN JIT INTERNATIONAL INC.	GBU4M	1000V;4A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000V;4A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000 V;4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	GBU407	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Pan Jit International Inc.	GBU4M	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Opt-coupler	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd	PC817/EL816	IF:60mA; IFP:1A ; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	PC817/L 816	IF:50mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Test with appliance
(Alternative)	Wuxi China Resources Semico Co., Ltd.	HK817B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Test with appliance

(Alternative)	Everlight Electronics.,Ltd.	EL851	IF:60 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Test with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Test with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Test with appliance
(Alternative)	Wuxi China Resources Semico Co., Ltd.	HK851Y	IF:50 mA;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Test with appliance
(Alternative)	Avago Technologies	A817V	IF:50 mA; VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL354N	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:6V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3022	IF;50mA; VR:6V; VDRM:400V; VTSM:1A; Viso:5000Vrms; IFT MAX:10mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 C	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3021	IF:50 mA; VR: 6V; VDRM:400V; VTSM:1A; Viso：5000Vrms;IFT MAX 15mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	R705A	IF: ±50 mA; IFM: ±0.5A; VCEO:70V; VECO:5V; IC:30mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P181	IF:50 mA; IFP:1A; VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP3526	IF:50 mA; IFP:1A; VR: 5V; VDRM600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP521	Ic:50mA; Vceo:55V; BVs:2500Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP184	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL3022	IF:60 mA; IFM:1A; VR: 6V; VDRM:250/400/600; IT:100mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL 816	IF:60 mA; IFP:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL814	IF: ±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P741	IF:60 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P781 or P785	IF:60 mA; IFP:1A; VR: 5V/6V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance

Indoor Unit: A: MCA3I-07HRFN1-QRC8, B: MCA3I-09HRFN1-QRC8, MCA3I-07HRFNX-QRD0, MCA3I-09HRFN8-QRD0, MCA3U-12HRFN1-QRD0W, MCA3U-12HRFN1-QRC8W(B), MCA3U-12HRFN8-QRD0W; C: MCA3I-18HRDN1-QRC8, MCA3-18HRFN1-QRC8W(B), MCA3U-18HRFN8-QRC8W					
Indoor Controller	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR160Q4/BP3N1Y-D.D.16.NP1-1	220-240VAC; 50Hz	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor fan motor for A,B	Panasonic	WZDK46-38G (ZKFP-46-8-1)	DC310V;46W; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp.	WZDK46-38G (ZKFP-46-8-1)	DC310V;46W; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co.,Ltd.	WZDK46-38G (ZKFP-46-8-1)	DC310V;46W; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative) for MCA3U-12HRFN1-QRD0W	Zhongshan Broad-Ocean Motor Co., Ltd	WZDK46-38G (ZKFP-46-8-1)	DC310V;46W; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor fan motor for C	Guangdong Welling Motor Manufacturing Co., Ltd.(Welling (Wuhu) Motor Manufacturing Co., Ltd.)	YDK27-4P (YKT-27-4-6)	220-240V, 27W, Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor transformer	Dongguan Dazhong Electronic Co.,Ltd.	E22102 (EE22(5+5)2/P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	E22102 (EE22(5+5)2/P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102 (EE22(5+5)2/P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maanshan Coiner Electronics Co Ltd).	E22102 (EE22(5+5)2/P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance

(Alternative)	Shekou Jewel Electronic Co.,Ltd (Js)	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor terminal block	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-3.16	450V 4mm^2	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004A	660V 4mm^2	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Grid Electric Co., Ltd. Yueqing Jing	JGD-ZR3-E-V	450V 4mm^2	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-3-M	600V 4 mm^2	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-1203A	450V 4mm^2	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Step motor	Changchou Leili Electrical Equipment Co., Ltd.	MP35EA25 (SM-35-17-12-31)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP35EA25 (SM-35-17-12-31)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP35EA25 (SM-35-17-12-31)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	MP35EA25 (SM-35-17-12-31)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP35EA25 (SM-35-17-12-31)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co.,Ltd	MP35EA25 (SM-35-17-12-31)	DC12V; Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor Bridge rectifier	Leshan Radio Company, Ltd.	GBU15K	800VAC; 15A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Shindengen	U15K80R	800VAC; 15A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	GBU15M	1000V;15A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Shindengen Electric Mfg. Co.,Ltd.	GBU15K	800V;15A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance

(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBJ15M	1000V:15A	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU15K	1000 V; 15 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor Electrolytic capacitor for all model	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC,82μF; VENT 105°C	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B3252-S5826-M1	450 V, 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 82 μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 82uF450V CE 105°C	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	450VDC; 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Fuse	Hollyland Co., Ltd.	50T	T 3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Wickmam -Werke Gmbh	195	T 3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T 3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T 3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T 3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40001375
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T 3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	3,15A/250VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE400156 69
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460

(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50CT	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014869
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	5ET	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	61S	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co., Ltd.	932T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	PSE 15020937
(Alternative)	Dongguan Better Electronic Technology Co Ltd	316	T 3,15 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	334T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5TE	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40036821
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	4T (3.6*10)	T 3,15 A; 350 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	30TS-032H1/H2/L	T 3,15 A; 350 VAC	EN 60127-1 EN 60127-2	CSA LR101178
Fan motor relay	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493
(Alternative)	Dongguan Churod Electronics Co,,Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50196152

(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50232867
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN/IEC 61810-1	VDE400077 93
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50031793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A 100K cycles, T85;	EN/IEC 61810-1	TÜV Rh R50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 10E4	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; 10E4, T mark: 90°C	EN/IEC 61810-1	VDE400091 51
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50192519
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50192519
(Alternative)	Wangrong Electronics(Shenzhen)Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220640
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A; 10E4	EN/IEC 61810-1	TÜV Rh R2034012
(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40025215

(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	VDE40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC; 10E4, T70°C	EN/IEC 61810-1	VDE40024142
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204086
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50098412
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-5A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258455
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM-S	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRD-S-112D	5A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142424

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-124LMH	8A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3MH-WG	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPA-S-112-C	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPR-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50217035
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A 5A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G5NB-1A-E	5A,250VAC, 10E4; T85°C	EN 61810-1	VDE: 137575
Varistor	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681KM)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681K-M)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220

(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Centra Science Corp.(Cnju)	CNJU 14D681K-M	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 127029
(Alternative)	Foshan Kexin Electrical Appliances Co.,Ltd	KVR MYN14-681A	T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M(S14 K420)	AC420V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14 K 681)	AC680V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Panasonic	E14681	680V	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K	680V	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-K	680V	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-M(CNR(OLD)	680V	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE

(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581 KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	NFC14D581K (NFC14D581 KM)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	PT. Panasonic Industrial Devices Batam	E11621	558 V ~ 682 V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 13001094909
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-K (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KM (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621KMS (NFC14D621K)	620 V;50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K	620 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621 KXXXXH(VDE)	620V; In=3KA; T85°C (UL:T105°C)	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030401
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K	680 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681M (MYG14K681)	680 V, T85°C; 5KA*4	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z1160679712002
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N (MYG14K681)	680 V, T85°C; 4.5KA*1	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z1160679712002

(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KMS (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681	Φ14; 680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 005944
X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 104K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 104K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 104K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 104K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 104K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 104K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 104K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE40010694
(Alternative)	Xinyuan Electronic Co.,Ltd	MPX/MKP	275VAC; 104K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE40027433
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE 40001876
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40037250

(Alternative)	Foshan City Xinyuan Electronic Co., Ltd,	MKP-X2	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40027433
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE104-MX	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE105-MX	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE224-MX	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE474-MX	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP X2	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co.，Ltd	HQX	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	C4B	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	SEMKO:SE/ 0366-6

(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	275VAC; 104K, 224K; T 85°C or above; X2 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40000358
Opt-coupler	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nec	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Avago Technologies	A817V	IF:50 mA; VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL354N	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:6V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3022	IF;50mA; VR:6V; VDRM:400V; VTSM:1A; Viso:5000Vrms; IFT MAX:10mA	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Lite-On Electronics, Inc.	816 C	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3021	IF:50 mA; VR: 6V; VDRM:400V; VTSM:1A; Viso：5000Vrms;IFT MAX 15mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	R705A	IF: ±50 mA; IFM: ±0.5A; VCEO:70V; VECO:5V; IC:30mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P181	IF:50 mA; IFP:1A; VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP3526	IF:50 mA; IFP:1A; VR: 5V; VDRM600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP521	Ic:50mA; Vceo:55V; BVs:2500Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP184	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL3022	IF:60 mA; IFM:1A; VR: 6V; VDRM:250/400/600; IT:100mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL 816	IF:60 mA; IFP:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL814	IF: ±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P741	IF:60 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P781 or P785	IF:60 mA; IFP:1A; VR: 5V/6V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Water pump	Huayang	ZJSB7004	220-240VAC, 50/60HZ,8W,CLASS E	EN/IEC 60335-1	VDE
(Alternative)	Zhejiang Zhongbao Auto-Condtrol Component Co.,Ltd.	PSB7	220-240VAC, 50/60HZ,10,8W, Class E	EN/IEC 60335-1	TUV RH
(Alternative)	Foshan Lepuda Motor	PLD-07	AC220-240V; 50/60Hz;	EN/IEC 60335-1	TUV SUD
(Alternative)	Shanghai Junle	PSB-7A	AC220-240V; 50/60Hz;	EN/IEC 60335-1	CQC
Indoor Unit: A: MTBU-12HWFN1-QRD0W, B: MTBU-12HRFN1-QRC8W(B), D: MUE-18HRFN1-QRC8W(B), F: MTB-18HWFN1-QRC8W(B)					
Indoor Controller for A,B,D,F	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR160T2/BP2N1X-B.D.18.NP1-1	220-240VAC; 50Hz	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor inverter Controller for A,B,D,F	GD Midea Air-Conditioning Equipment Co., Ltd.	DC-FAN-15A(PS21964).D.13.MP1-1	220-240VAC; 50Hz	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor terminal block for A,E	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	JXZ-PG5HA	450V 4 mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004A	660V 4 mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-4-A	600V 4mm^2	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance

(Alternative)	CHANGZHOU KAIDU ELECTRICAL CO LTD	JXO-4B	450V 4 mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Grid Electric Co., Ltd. Yueqing Jing	JGD-ZR3-E-V	450V 4 mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor terminal block for A,B,F	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9101-4	450V 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JXO-4B	450V 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-4-A	600V 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor terminal block I for D	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450V 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-3	250VAC 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-3	250V 4 mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-3	300V 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2203B	450V~ 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor terminal block II for D	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-B-5P-A	600V 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Grid Electric Co., Ltd. Yueqing Jing	JGD-ZR5-C-1	660V 4 mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9416	600VAC 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004A	660V 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance

(Alternative)	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-B-5P	600V 4mm²	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JXD-5P	600VAC 4mm^2	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor fan motor for A,B,D	Panasonic Motor (Hangzhou) Co., Ltd	WZDK55-38GS-W (ZKFN-55-8-1)	DC310V, 55W, Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura(Zhejiang) Corp. Rotation	WZDK55-38GS-W (ZKFN-55-8-1)	DC310V, 55W, Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Welling	WZDK55-38GS-W (ZKFN-55-8-1)	DC310V, 55W, Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative) for MTBU-12HWFN1-QRD0W	Zhongshan Broad-Ocean Motor Co., Ltd	WZDK55-38GS-W (ZKFN-55-8-1)	DC310V, 55W, Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor fan motor for F	Panasonic Motor (Hangzhou) Co., Ltd	WZDK90-38GS-W (ZKFN-90-8-1)	DC310V, 90W, Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp. Rotation	WZDK90-38GS-W (ZKFN-90-8-1)	DC310V, 90W, Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Welling	WZDK90-38GS-W (ZKFN-90-8-1)	DC310V, 90W, Class E	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor transformer for all	Dongguan Dazhong Electronic Co.,Ltd.	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance

(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maansha n Coiner Electronics Co Ltd).	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd (Js)	E22102 (EE22(5+5)2/ P4-1.52L9)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor Fuse for A,B,D,F	Hollyland Co., Ltd.	50T	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Wickmam -Werke Gmbh	13/Jul/00	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	5/Jun/01	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40001375
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 138756
(Alternative)	Hollyland Co., Ltd.	50CT	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Conquer Electronics Co.,Ltd.	UTE-AL 005	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	50T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	524T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance

(Alternative)	Dongguan Better Electronic Technology Co Ltd	932T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	50CT	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014896
Indoor Fan motor relay I for A, B, D, F	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493
(Alternative)	Dongguan Churod Electronics Co,,Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50232867
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN/IEC 61810-1	VDE400077 93
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50031793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A 100K cycles, T85;	EN/IEC 61810-1	TÜV Rh R50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 10E4	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996

(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; 10E4, T mark: 90°C	EN/IEC 61810-1	VDE 40009151
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50192519
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50192519
(Alternative)	Wangrong Electronics(Shenzhen)Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220640
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A 100K cycles,	EN/IEC 61810-1	TÜV Rh R2034012
(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC;100000	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	VDE400252 15
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC; 10E4, T70°C	EN/IEC 61810-1	VDE400241 42
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204086
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50098412
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-5A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258455
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640

(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM-S	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRD-S-112D	5A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142424
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-124LMH	8A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3MH-WG	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPA-S-112-C	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPR-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50217035

(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A 5A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G5NB-1A-E	5A,250VAC, 10E4; T85°C	EN 61810-1	VDE: 137575
Indoor Fan motor relay II for for A, B, D, F	Dongguan Churod Electronics Co., Ltd.	A1-V-112HA	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	SJ-S-112DM	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50142420
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RJ-SS-112DM1(10A)	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50222701
(Alternative)	Xiamen Hongfa Electroacoustic Co.,Ltd.	JQC-3FF	10A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50034671
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPA-S-112-C	10A;250VAC;T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	SJ-S-112DM	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-10A	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258456
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112HA	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112HAF	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM1	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SME-2240AP	10A; 250VAC; 10E4; T70°C	EN 61810-1	VDE 40009320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SME-224AP	10A; 250VAC; 10E4; T70°C	EN 61810-1	VDE 40009320

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DMH2	10A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40002146
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112HM-WG	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Zhejiang Meishuo Electric Technology Co., Ltd	MPA-S-112-C	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 474K, 474M; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 474K, 474M; T 85°C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 474K, 474M; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 474K, 474M; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 474K, 474M; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 474K, 474M; T 85°C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 474K, 474M; T 85°C or above; X2	EN/IEC 60384-14	VDE40010694
(Alternative)	Xinyuan Electronic Co.,Ltd	MPX/MKP	275VAC; 474K, 474M; T 85°C or above; X2	EN/IEC 60384-14	VDE40027433
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE 40001876
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40037250

(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40037250
(Alternative)	Foshan City Xinyuan Electronic Co., Ltd,	MKP-X2	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40027433
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE104-MX	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE105-MX	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE224-MX	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE474-MX	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP X2	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co.，Ltd	HQX	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40024534

(Alternative)	Xiamen Faratronic Co., Ltd.	C4B	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	SEMKO:SE/0366-6
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	275VAC; 474K, 474M; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40000358
Varistor	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681KM)	AC50-510V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	AC50-300V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	AC681V; T85℃	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Foshan Kexin Electrical Appliances Co.,Ltd	KVR MYN14-681A	681VAC; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M(S14 K420)	AC420V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14 K 681)	AC680V; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Panasonic	E14681	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40035231

(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-K	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-M(CNR(OLD)	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	PT. Panasonic Industrial Devices Batam	E11621	558 V ~ 682 V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 13001094909
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-K (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KM (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621KMS (NFC14D621K)	620 V;50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K	620 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621 KXXXXH(VDE)	620V; In=3KA; T85°C (UL:T105°C)	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030401
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K	680 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681M (MYG14K681)	680 V, T85°C; 5KA*4	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z1160679712002

(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N (MYG14K681)	680 V, T85°C; 4.5KA*1	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681K MS (NFC14D681 K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681	Φ14; 680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 005944
Indoor Bridge rectifier for A,B,D,F	Leshan Share Electronic Co.,Ltd	GBJ35D-M	1000V/35A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Microsemi	GBJ35M	1000V/35A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000VAC; 35A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Leshan Share Electronic Co.,Ltd.	D35SB100	1000V;35A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Lite-On Semiconductor Corp.	GBJ3510	1000V;35A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Taiwan Semiconducor	TS35P07G	1000V;35A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	PAN JIT INTERNATIONAL INC.	KBJ3510	1000V;35A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBJ35M	1000V;35A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Leshan Share Electronic Co., Ltd.	D35SB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBJ35M	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBJ3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	TS35P07G	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Pan Jit International Inc.	KBJ3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBJ35M	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	GBPC3510 WS	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510W	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBPC3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	D35SB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	S35VB100	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	MP3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co.,Ltd.	GBPC3510	1000 V; 35 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Opt-coupler	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Sharp	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Nec	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Nec	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Avago Technologies	A817V	IF:50 mA; VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL354N	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:6V	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Lite-On Electronics, Inc.	MOC3022	IF;50mA; VR:6V; VDRM:400V; VTSM:1A; Viso:5000Vrms; IFT MAX:10mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 C	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3021	IF:50 mA; VR: 6V; VDRM:400V; VTSM:1A; Viso：5000Vrms;IFT MAX 15mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	R705A	IF: ±50 mA; IFM: ±0.5A; VCEO:70V; VECO:5V; IC:30mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P181	IF:50 mA; IFP:1A; VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP3526	IF:50 mA; IFP:1A; VR: 5V; VDRM600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP521	Ic:50mA; Vceo:55V; BVs:2500Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP184	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL3022	IF:60 mA; IFM:1A; VR: 6V; VDRM:250/400/600; IT:100mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL 816	IF:60 mA; IFP:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Everlight Electronics., Ltd.	EL814	IF: ±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P741	IF:60 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P781 or P785	IF:60 mA; IFP:1A; VR: 5V/6V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Step motor I for D	Taishan City Kexinte Motor Products Co.,Ltd	MP35EA9 (SM-35-17-12-9)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP35EA9 (SM-35-17-12-9)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP35EA9 (SM-35-17-12-9)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP35EA9 (SM-35-17-12-9)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Huilip Motor Co., Ltd.	MP35EA9 (SM-35-17-12-9)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP35EA9 (SM-35-17-12-9)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Leili	MP35EA9 (SM-35-17-12-9)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Guangdong Whilip Intelligent Technology Co.,Ltd	MP35EA9 (SM-35-17-12-9)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Step motor II for D	Taishan City Kexinte Motor Products Co.,Ltd	MP35EA3EA4 (SM-35-17-12-22)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	MP35EA3EA4 (SM-35-17-12-22)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances

(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	MP35EA3EA4 (SM-35-17-12-22)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP35EA3EA4 (SM-35-17-12-22)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Huilip Motor Co., Ltd.	MP35EA3EA4 (SM-35-17-12-22)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Changzhou Ouck Electric Co.,Ltd	MP35EA3EA4 (SM-35-17-12-22)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Leili	MP35EA3EA4 (SM-35-17-12-22)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Guangdong Whilip Intelligent Technology Co.,Ltd	MP35EA3EA4 (SM-35-17-12-22)	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor Electrolytic capacitor for A,B,D	Jianghao Electron	CD289A	400VAC or 450VAC; 220µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC; 220µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC,220µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor Electrolytic capacitor for F	Jianghao Electron	CD289A	400VAC or 450VAC; 330µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC; 330µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC; 330µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V,220 µF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	400V, 220µF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 220uF450V CE 105°C	400VAC or 450VAC; 220µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	450VDC 220µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	400 VDC 220 µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B43252-S9337-M1	400V, 330µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance

(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 330μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	400V, 330μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD291A	450VDC; 330μF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	400 VDC; 330μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor Reactor for A,B,D,F	Foshan Welling Electronic And Electric Co.,Ltd.	R05094A	5A; Class H	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhejiang Zhengliang Electronic Co.,Ltd	R05094A	5A; Class H	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R05094B (SX)	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R05094A	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R0594	5 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R0594A	5 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	DPC Nantong Co., Ltd	R05094A	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R05094B (SX)	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R05094A	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor IPM for A,B,D,F	Mitsubishi	PS219C4-ASTX	15A; 450VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor unit: A: MSTCDU-24HRFN1-QRD0GW, MSTCDU-24HRFN1-QRD0GW(B), B: MSABEU-24HRFN1-QRD0GW, MSABEU-24HRFNX-QRD0GW, B-MSABEU-24HRFNX-QRD0GW, MSABEU-24HRFN1-QRD0GW(B), MSABEU-24HRFN1-QRD0GW(B), MS12FU-24HRFN1-QRD0GW C: MSMBDU-24HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW(B), D: MSABEU-24HRDN1-QRC8GW, E: MTB-24HWFN1-QRC8W(B), MTB-24HWFN1-QRC8W(D)					
Indoor Controller for A, B, C	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR70G/BP3N1Y-12TC.D.11.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances

Indoor Controller for D	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR70G/N1Y-AB(8513TX). D.01.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor Controller for E	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR160T2/BP2N1X-B.D.18.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor terminal block for A, B, C	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004C	450VAC 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Changzhou Kaidu Electrical Co Ltd	JX-PF-5	250V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205B-1	450VAC 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor terminal block for D	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-5	250V 4 mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-Ee-5P-5	250V 4 mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5 RS9103C	250VAC 4 mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Yueqing Jing Grid Electric Co., Ltd.	JGD-ZR5-P-1	250V 4 mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5	450VAC 4 mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450V 4 mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor terminal block for E	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9101-4	450V 4 mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JXO-4B	450V 4 mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-4-A	600V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances

Indoor fan motor for A, B, C	Nidec Shibaura (Zhejiang) Corp.	WZDK58-38G	DC310V; 58W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.(Welling (Wuhu) Motor Manufacturing Co., Ltd.)	WZDK58-38G	DC310V; 58W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Panasonic Motor (Hangzhou) Co., Ltd (Panasonic)	WZDK58-38G	DC310V; 58W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhonshang Broad-Ocean Motor Co,,Ltd	WZDK58-38G	DC310V; 58W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor fan motor for D	Panasonic Motor (Hangzhou) Co., Ltd (Panasonic)	YKFG-45-4-22 /RPG45C	220-240VAC; 50Hz; 45W; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd. (Welling (Wuhu) Motor Manufacturing Co., Ltd.)	YKFG-45-4-22 /RPG45C	220-240VAC; 50Hz; 45W; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhonshang Broad-Ocean Motor Co,,Ltd	YKFG-45-4-22 /RPG45C	220-240VAC; 50Hz; 45W; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Sheng Zhou City Dong Fang Motor Co., Lid	YKFG-45-4-22 /RPG45C	220-240VAC; 50Hz; 45W; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor fan motor for E	Nidec Shibaura (Zhejiang) Corp.	ZKFN-90-8-1 /WZDK90-38GS-W	DC310V; 90W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd. (Welling (Wuhu) Motor Manufacturing Co., Ltd.)	ZKFN-90-8-1 /WZDK90-38GS-W	DC310V; 90W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Panasonic Motor (Hangzhou) Co., Ltd (Panasonic)	ZKFN-90-8-1 /WZDK90-38GS-W	DC310V; 90W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhonshang Broad-Ocean Motor Co,,Ltd	ZKFN-90-8-1 /WZDK90-38GS-W	DC310V; 90W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor transformer for A, B, C, E	Dongguan Dazhong Electronic Co.,Ltd.	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances

(Alternative)	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Shenzhen Zhizhuo Electronics Corp.Ltd	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd).	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Shunde Zhanliang Industrial Co., Ltd(Wuhu Zhanliang Electron Co.,Ltd.)	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Shekou Jewel Electronic Co.,Ltd (Js)	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor transformer for D	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd)	E25043(EE25 (5+5)2/P5-1.6L1)	EE25; input: 252VDC~392VDC; output: 12VDC; class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Tdk Xiamen Co.,Ltd	E25043(25-X58)(EE25(5+5)2/P5-1.6L1)	EE25; input: 252VDC~392VDC; output: 12VDC; class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Hangzhou Ruichuang Industry&Trade Co.,Ltd	E25043(EE25 (5+5)2/P5-1.6L1)	EE25; input: 252VDC~392VDC; output: 12VDC; class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Shekou Jewel Electronic Co.,Ltd	E25043(EE25 (5+5)2/P5-1.6L1)	EE25; input: 252VDC~392VDC; output: 12VDC; class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
(Alternative)	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	E25043(EE25 (5+5)2/P5-1.6L1)	EE25; input: 252VDC~392VDC; output: 12VDC; class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliances
Indoor Fuse for A, B, C, D	Hollyland Co., Ltd.	50T	T 3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Wickmam -Werke Gmbh	195	T 3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868

(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T 3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T 3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 3,15AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40001375
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Hollyland Co., Ltd.	50CT	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Conquer Electronics Co.,Ltd.	UTE 3.15	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Conquer Electronics Co.,Ltd.	UTE-AL3.15	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	DongGuan Better Electronics Technology Co., Ltd.	524	T; 5AH; 250VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40025424
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50CT	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014869
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	5ET	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	61S	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co., Ltd.	932T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	316	T 3,15 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance

(Alternative)	Dongguan Better Electronic Technology Co Ltd	334T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5TE	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40036821
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	4T (3.6*10)	T 3,15 A; 350 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	30TS-032H1/H2/L	T 3,15 A; 350 VAC	EN 60127-1 EN 60127-2	CSA LR101178
Indoor Fuse for E	Hollyland Co., Ltd.	50T	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Wickmam -Werke Gmbh	195	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40001375
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 138756
(Alternative)	Hollyland Co., Ltd.	50CT	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	50T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance

(Alternative)	Dongguan Better Electronic Technology Co Ltd	524T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	932T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	50CT	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014896
Relay for A, B, C	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	250VAC/25A, T85 ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM(SFK-112DM(G))	20A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC,100K,85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	250VAC/20A, T85 ºC 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2 (20A)	20A 250VAC, T85 ºC	EN/IEC 61810-1	TUV R50220099
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	891WP-1A-C	20A 250VAC, T85 ºC	EN/IEC 61810-1	TUV 50003966
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	20A 250VAC, T85 ºC	EN/IEC 61810-1	TUV: R50194013
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50214482
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G4A-1A-E	250VAC; 20A; T-mark: 85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50214482
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714

(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50057260
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50003996
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RA2-112LM	250VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Yueqing Meishuo Electric Co., Ltd	G4A-1A-E-CN	20A,250V AC	EN/IEC 61810-1	VDE 107293
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HK-112DM	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258458
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	TUV Rh AN 09857507
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh R 50184977
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	CNEx15.0478U TUV R50220099
(Alternative)	Yueqing Meishuo Electronics Co., Ltd.	MPY-S-112-A	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	CNEx15.1980U TÜV Rh R50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-L	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013

(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	EF00-1A2-D012-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50117320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd	PCFL-112D2M,1300	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139097
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHS02-V-112LA	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RA2-112LM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFD-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-S-112DMK	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLA-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92S7D22-12-02	30A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92-4012	30A; 240VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPQ4-S-112D-A	30A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184977
Relay for D, E	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493
(Alternative)	Dongguan Churod Electronics Co,,Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50174892

(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50232867
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN/IEC 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50031793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A 100K cycles, T85	EN/IEC 61810-1	TÜV Rh R50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 10E4	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; 10E4, T mark: 90°C	EN/IEC 61810-1	VDE40009151
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50192519
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50192519
(Alternative)	Wangrong Electronics(Shenzhen)Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220640
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A 10E4	EN/IEC 61810-1	TÜV Rh R2034012

(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC; 10E4, T70°C	EN/IEC 61810-1	VDE 40024142
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204086
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50098412
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-5A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258455
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM-S	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRD-S-112D	5A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142424

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-124LMH	8A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3MH-WG	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPA-S-112-C	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPR-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50217035
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A 5A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G5NB-1A-E	5A,250VAC, 10E4; T85°C	EN 61810-1	VDE: 137575
Relay II for E	Dongguan Churod Electronics Co., Ltd.	A1-V-112HA	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	SJ-S-112DM	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50142420
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RJ-SS-112DM1(10A)	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50222701

(Alternative)	Xiamen Hongfa Electroacoustic Co.,Ltd.	JQC-3FF	10A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50034671
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPA-S-112-C	10A;250VAC;T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	SJ-S-112DM	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-10A	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258456
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112HA	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112HAF	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM1	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SME-2240AP	10A; 250VAC; 10E4; T70°C	EN 61810-1	VDE 40009320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SME-224AP	10A; 250VAC; 10E4; T70°C	EN 61810-1	VDE 40009320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DMH2	10A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40002146
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112HM-WG	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Zhejiang Meishuo Electric Technology Co., Ltd	MPA-S-112-C	10A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40007424

(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE40010694
(Alternative)	Xinyuan Electronic Co.,Ltd	MPX/MKP	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2	EN/IEC 60384-14	VDE40027433
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above	EN/IEC 60384-14	VDE 40001876
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40037250

(Alternative)	Foshan City Xinyuan Electronic Co., Ltd,	MKP-X2	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40027433
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE104-MX	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE105-MX	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE224-MX	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE474-MX	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	ENEC SE/0142-1
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP X2	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40001876

(Alternative)	Ultra Tech Xiphi Enterprise Co.，Ltd	HQX	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	C4B	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	SEMKO:SE/0366-6
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	275VAC; 105M,474K,474M,104K,333M,155M,335K,224K; T 85°C or above; X2; 100nF; 85°C or above; AC275V; 220nF; 275VAC; 85°C or above	EN 60384-14	VDE 40000358
Varistor for D, E	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681KM)	AC50-510V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	AC50-300V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	AC681V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Foshan Kexin Electrical Appliances Co.,Ltd	KVR MYN14-681A	681VAC; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M(S14 K420)	AC420V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14K 681)	AC680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001

(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Panasonic	E14681	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-K	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-M(CNR(OLD)	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Suzhou Sinotronix Electronics Co.,Ltd.	GNR14D681KM	680V; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 420005938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	NFC14D581K (NFC14D581KM)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
Varistor for A, B, C	Panasonic Sh Industrial Devices Sales (Shenzhen) Co.,Ltd.	ERZE11L621M1	620V, T85 °C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
Varistor	PT. Panasonic Industrial Devices Batam	E11621	558 V ~ 682 V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 130010949099
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-K (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220

(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KM (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621KMS (NFC14D621K)	620 V;50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K	620 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621 KXXXXH(VDE)	620V; In=3KA; T85°C (UL:T105°C)	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030401
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K	680 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681M (MYG14K681)	680 V, T85°C; 5KA*4	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N (MYG14K681)	680 V, T85°C; 4.5KA*1	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KMS (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681	Φ14; 680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 005944
Step motor for A, B, C, D	Changchou Leili Electrical Equipment Co., Ltd.	SM-30-17-12-14 /MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd	SM-30-17-12-14 /MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	SM-30-17-12-14 /MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Huilip Motor Co., Ltd.	SM-30-17-12-14 /MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	SM-30-17-12-14 /MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co.,Ltd	SM-30-17-12-14 /MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative) for C	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-30-17-12-14 /MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor Electrolytic capacitor for A, B, C	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor electrolytic capacitor for D	Jianghao Electron	CD289A CD263	400VAC or 450VAC; 22μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jianghai Electron	CD289A CD263	400VAC or 450VAC; 22μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Panasonic	CE(M)	400VAC or 450VAC; 22μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor electrolytic capacitor for E	Jianghao Electron	CD289A	400VAC or 450VAC; 330μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC; 330μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Panasonic	CE(M),CE	400VAC or 450VAC; 330μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B3252-S5826-M1	450 V, 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 82 μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 82uF450V CE 105°C	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	450VDC; 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD263	500VDC; 22μF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance

(Alternative)	Hunan Aihua Group Co., Ltd.	HL	450V, 22μF 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	WH	450V, 22μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	WH	500V, 22μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	ECA2W HG220Y	400V or 450V; 22μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	ECA2WHG22 0Y	400V or 450V; 22uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD263	450 VDC; 22μF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B43252-S9337-M1	400V, 330μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 330μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	400V, 330μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD291A	450VDC; 330μF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	400 VDC; 330μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor Bridge Rectifier	Leshan Radio Company, Ltd.	GBU4K	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000VAC; 4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Microsemi	GBU408	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Microsemi	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Co.,Ltd	US4KB100R(BP)	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000 V;4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Leshan Share Electronic Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	GBU407	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Pan Jit International Inc.	GBU4M	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Opt-coupler	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC817	IF:50mA; IFM:1A ; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangzhou Wisdom Techno Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC817	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhongyangtian Electronics Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangzhou Wisdom Technl Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shenzhen Langpu Technology Co., Ltd.	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nec	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nec	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation(Nec)	PS 2561A-1 R 2561A 2561A	IF:30 mA; IFM:1A;VR: 6V; VCEO:70V; VECO:5V; IC:30mA	EN/IEC 60747-5-5	VDE 40008862
(Alternative)	Lite-On Electronics, Inc	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd	PC851	IF:50mA; IFM:1A; VR: 6V; VCEO:35V; VECO:6V; IC:50mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Sharp Corp Electronic Components Group	PC851	350V/50mA, -25℃-100 ˚C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	80V/50mA, -30 ºC - 100 ˚C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817(BP)	80V/50mA, -30 ºC - 100 ˚C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817(BP)	80V/50mA, -30 ºC - 100 ˚C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL816C	80V,60mA,110 ºC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Avago Technologies	A817V	IF:50 mA; VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL354N	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:6V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3022	IF;50mA; VR:6V; VDRM:400V; VTSM:1A; Viso:5000Vrms; IFT MAX:10mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 C	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3021	IF:50 mA; VR: 6V; VDRM:400V; VTSM:1A; Viso：5000Vrms;IFT MAX 15mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	R705A	IF: ±50 mA; IFM: ±0.5A; VCEO:70V; VECO:5V; IC:30mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P181	IF:50 mA; IFP:1A; VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Toshiba Semiconductor Company	P628	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP3526	IF:50 mA; IFP:1A; VR: 5V; VDRM600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP521	Ic:50mA; Vceo:55V; BVs:2500Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP184	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL3022	IF:60 mA; IFM:1A; VR: 6V; VDRM:250/400/600; IT:100mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL 816	IF:60 mA; IFP:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL814	IF: ±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P741	IF:60 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P781 or P785	IF:60 mA; IFP:1A; VR: 5V/6V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor Reactor for E	Foshan Welling Electronic And Electric Co.,Ltd.	R05094A	5A; Class H	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co.,Ltd	R05094A	5A; Class H	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R05094B (SX)	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R05094A	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R0594	5 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R0594A	5 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	DPC Nantong Co., Ltd	R05094A	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R05094B (SX)	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R05094A	5 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
WIFI module (Smart Kit) (Optional) for MSTC series and MSMB series	Gd Midea Air-Conditioning Equipment Co., Ltd.	OSK101	DC5V; 300mA	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Controller for WIFI module for MSTC series and MSMB series	Gd Midea Air-Conditioning Equipment Co., Ltd.	DL2000B-WI-BOD-V1	--	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Controller for communication port of WIFI module for MSTC series and MSMB series	Gd Midea Air-Conditioning Equipment Co., Ltd.	CE-2.4G-ZD.JGN.WXX S.XP1	--	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Gd Midea Air-Conditioning Equipment Co., Ltd.	CE-2.4G-ZD.JGN.WXX S.XP2	--	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance

Indoor Unit: MS11MU-09HRFN1-QRD1GW, MS11MU-12HRFN1-QRD1GW					
Indoor controller	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3N1Y-AB.D.11.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
Indoor fan motor	Guangdong Welling Motor Manufacturing Co.,Ltd.	WZDK20-38G(ZKFP-20-8-6-1)	DC310V; 20W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
Indoor transformer	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Zhongshan Coin Electronics Co.,Ltd.(Maanshan Coiner Electronics Co Ltd).	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd (Js)	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Hangzhou Ruichuang Industry&Trade Co.,Ltd	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Tdk Xiamen Co.,Ltd	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Shunde Zhanliang Industrial Co., Ltd	E22102(EE22(5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
Indoor terminal block	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-5	250V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-Ee-5P-5	250V,4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance

(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5 RS9103C	250VAC 4mm^2	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Yueqing Jing Grid Electric Co., Ltd.	JGD-ZR5-P-1	250V 4mm^2	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
Step motor	Changchou Leili Electrical Equipment Co., Ltd.	SM-24-19-16-8 /MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd(Oukai)	SM-24-19-16-8 /MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	SM-24-19-16-8 /MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Huilip Motor Co., Ltd.	SM-24-19-16-8 /MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	SM-24-19-16-8 /MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Taishan City Kexinte Motor Products Co.,Ltd	SM-24-19-16-8 /MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
Indoor bridge rectifier	Leshan Radio Company, Ltd.	GBU4K	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliances
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000VAC; 4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Microsemi	GBU408	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliances
(Alternative)	Microsemi	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliances
(Alternative)	Leshan Share Electronic Co.,Ltd	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliances
(Alternative)	Leshan Radio Co.,Ltd	US4KB100R(BP)	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliances
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliances
Indoor Electrolytic capacitor	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance

(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Panasonic	CE or CEM	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Nichicon Corporation	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
Indoor fuse	Hollyland Co., Ltd.	50T	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Hollyland Co., Ltd.	50CT	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Wickmam -Werke Gmbh	195	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40016851
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Conquer Electronics Co.,Ltd.	UTE 3.15	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Conquer Electronics Co.,Ltd.	UTE-AL3.15	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
Relay I	Tyco Electronics (Shenzhen) Co.,Ltd.	PCJ-112D3M	5A/250VAC; 10E4; T85 °C	EN/IEC 61810-1	VDE 1146900-0009
(Alternative)	Chengdu Tongda Relay ManμFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493
(Alternative)	Dongguan Churod Electronics Co,,Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50232867
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50138320

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN/IEC 61810-1	VDE40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50031793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A 100K cycles, T85;	EN/IEC 61810-1	TÜV Rh R50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 10E4	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; 10E4, T mark: 90°C	EN/IEC 61810-1	VDE40009151
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV Rh50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh50222701
(Alternative)	Wangrong Electronics(Shenzhen)Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220640
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A; 10E4,	EN/IEC 61810-1	TÜV Rh R2034012
(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	VDE40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC; 10E4, T70°C	EN/IEC 61810-1	VDE40024142
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948

(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50217035
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50098412
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-5A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258455
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	JDQ-SS-112V	5A/250VAC	EN/IEC 61810-1	TUV R50138320
(Alternative)	Panasonic Industrial Devices Sales (China） Co., Ltd. Shenzhen Branch	ALDP112W	5A 277V AC	EN/IEC 61810-1	VDE 40014384
(Alternative)	Tyco Electronics (Shenzhen) Co.,Ltd.	PCJ-112D3M	5A/250VAC	EN/IEC 61810-1	VDE 1146900-0009
Relay II	Dongguan Churod Electronics Co., Ltd.	A1-V-112HA	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	SJ-S-112DM	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50142420
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RJ-SS-112DM1(10A)	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50222701
(Alternative)	Xiamen Hongfa Electroacoustic Co.,Ltd.	JQC-3FF	10A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50034671
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPA-S-112-C	10A;250VAC;T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	SJ-S-112DM	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50184948
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-10A	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258456
Varistor	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528

(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Foshan Kexin Electrical Appliances Co.,Ltd	KVR MYN14-681A	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M （S14 K420)	AC420V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14 K 681)	AC680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Panasonic	E14681	680V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40035231
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-K or 14D681KK	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-M(CNR(OLD) or 14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	NFC14D681K or NFC14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE

(Alternative)	Guangxi New Future Information Industry Co.,Ltd	NFC14D581K (NFC14D581 KM)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K561M	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE400303 22
(Alternative)	Ceramate Technical Co Ltd	GNR14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40031745
(Alternative)	Suzhou Sinotronix Electronics Co.,Ltd.	GNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40034186
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	20D821K	820V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE400303 22
(Alternative)	Centra Science Corp.	14D471K-M	470V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Shenzhen Chenju Electronic Technology Co., Ltd	CNJU 14D681K-M or CNJU 14D681KM	470V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Suzhou Sinotronix Electronics Co., Ltd.	GNR14D471KM	423~517 V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co.,Ltd.	GNR14D471KM	470V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co.,Ltd.	14D471K-M	470V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co.,Ltd.	14D471K-M	430~507V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322

(Alternative)	Centra Science Corp.	10D471K	470V, T85 °C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Ceramate Technical Co Ltd	GNR10D471K CL038-0G	470V, T85 °C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG10K471 M	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	10D471K	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D471K-M	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D101K-K	100V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Panasonic Corporation	ZNR E11621	620V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Chengdu Tieda Electronic Co.Ltd	MYN15-621K	620V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR14D621K	620V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 333M;155M,474M;;224K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 333M;155M,474M;224K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 333M;155M,474M;224K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 333M;155M,474M;;224K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 333M;155M,474M;224K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40000463

(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 333M;155M,474M;224K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 333M;155M,474M;224K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40010694
(Alternative)	Xinyuan Electronic Co.,Ltd	MPX/MKP	275VAC; 333M;155M,474M;224K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40027433
(Alternative)	Shanghai Xiangriya Electronic Co；Ltd（Xry）	MPX/MKP	275VAC; 333M;155M,474M;224K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 112996
(Alternative)	Shanghai Xiangriya Electronic Co；Ltd（Xry）	MPX/MKP	33nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above; X2	EN/IEC 60384-14	VDE 40001876
Opt-coupler	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	TOSHIBA Semiconductor Co.,LTD	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851/PC817	IF:60mA;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50mA;IFM:1A;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	TOSHIBA Semiconductor Co.,LTD	TLP628	IF:60mA;VR: 5V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance

(Alternative)	Everlight Electronics.,Ltd.	EL851	IF:60mA;IFM:1A;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP781	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	HCPL-817	IF:50mA;VR: 6V; VCEO:70V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd	PC817/EL816	IF:60mA; IFP:1A ; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	PC817/L 816	IF:50mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	PS2505-1(NEC2505)	80mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba	TLP620GR	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Vishay	SFH620A-3	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor unit: MTBI-07HWFN1-QRD0, MTBI-09HWFN1-QRD0					
Fan motor	Guangdong Welling Motor Manufacturing Co,, Ltd,	ZKFN-55-8-1	DC310V; 35W; ClassE	IEC/EN 60335-2-40 IEC/EN 60335-1	Test with appliance
Indoor Controller	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR160T2/BP2N1X-B.D.18.NP1-1	220-240VAC; 50Hz	IEC/EN 60335-2-40 IEC/EN 60335-1	Test with appliance

Inverter controller	Gd Midea Air-Conditioning Equipment Co., Ltd.	DC-FAN-15A(PS21964).D.13.MP1-1	220-240VAC; 50Hz	IEC/EN 60335-2-40 IEC/EN 60335-1	Test with appliance
Terminal block	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9101-4	450V 4mm²	IEC/EN 60335-2-40 IEC/EN 60335-1	Test with appliance
(Alternative)	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JXO-4B	450V 4mm²	IEC/EN 60335-2-40 IEC/EN 60335-1	Test with appliance
Indoor transformer	Zhongshan Coin Electronics Co.,Ltd.(Maansha n Coiner Electronics Co Ltd).	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	IEC/EN 60335-2-40 IEC/EN 60335-1	Test with appliance
IPM	Mitsubishi	PS219C4-AST(PS219C 4-ASTX)	15A; 450VAC	IEC/EN 60335-2-40 IEC/EN 60335-1	Test with appliance
Reactor	Foshan Welling Electronic And Electric Co.,Ltd.	R05094A	5A; Class H	IEC/EN 60335-2-40 IEC/EN 60335-1	Test with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co.,Ltd	R05094A	5A; Class H	IEC/EN 60335-2-40 IEC/EN 60335-1	Test with appliance
Fuse	Hollyland Co., Ltd.	50T	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Hollyland Co., Ltd.	50CT	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Wickmam -Werke Gmbh	195	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40016851
(Alternative)	Shanghai Songshan Electronic Co.,Ltd	RT1	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 138756
(Alternative)	Conquer Electronics Co.,Ltd.	UTE-AL 005	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Conquer Electronics Co.,Ltd.	MST 005	T 5AL; 250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE

X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 474M;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 474M;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 474M;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 474M;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 474M;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 474M;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 474M;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40010694
(Alternative)	Xinyuan Electronic Co.,Ltd	MPX/MKP	275VAC; 474M;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40027433
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd(Xry)	MPX/MKP	275VAC; 474M;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 112996
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd(Xry)	MPX/MKP	33nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd(Xry)	MPX/MKP	100nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co.,Ltd(Xry)	MPX/MKP	220nF; 275VAC; 85°C or above; X2	EN/IEC 60384-14	VDE 40001876
Relay I	Tyco Electronics (Shenzhen) Co.,Ltd.	PCJ-112D3M	5A/250VAC; 1E5 cycles; T85 °C	EN/IEC 61810-1	VDE 1146900-0009
(Alternative)	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493
(Alternative)	Dongguan Churod Electronics Co,,Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV RhR 50232867

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 10010E4; T85°C	EN/IEC 61810-1	VDE40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50031793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A; 10E4, T85;	EN/IEC 61810-1	TÜV Rh R50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 10E4	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co.,Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; 10E4, T mark: 90°C	EN/IEC 61810-1	VDE 40009151
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV Rh 50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh 50222701
(Alternative)	Wangrong Electronics(Shenzhen)Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220640
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A; 10E4,	EN/IEC 61810-1	TÜV Rh R2034012
(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	VDE 40025215

(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC; 10E4, T70°C	EN/IEC 61810-1	VDE 40024142
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50217035
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R50098412
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-5A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258455
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	JDQ-SS-112V	5A/250VAC; 10E4	EN/IEC 61810-1	TUV:R 50138320
(Alternative)	Panasonic Industrial Devices Sales (China） Co., Ltd. Shenzhen Branch	ALDP112W	5A 277V AC; 10E4	EN/IEC 61810-1	VDE 40014384
(Alternative)	Tyco Electronics (Shenzhen) Co.,Ltd.	PCJ-112D3M	5A/250VAC; 10E4	EN/IEC 61810-1	VDE 1146900-0009
Relay II	Dongguan Churod Electronics Co., Ltd.	A1-V-112HA	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	SJ-S-112DM	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50142420
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RJ-SS-112DM1(10A)	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50222701
(Alternative)	Xiamen Hongfa Electroacoustic Co.,Ltd.	JQC-3FF	10A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50034671
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPA-S-112-C	10A;250VAC;T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	SJ-S-112DM	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV Rh R50184948
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-10A	10A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258456
Electrolytic capacitor	Jianghao Electron	CD289A	400VAC or 450VAC; 220µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC; 220µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance

(Alternative)	Panasonic	CE or CEM	400VAC or 450VAC,220μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
Varistor	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681 KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Foshan Kexin Electrical Appliances Co.,Ltd	KVR MYN14-681A	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M （S14 K420)	AC420V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14 K 681)	AC680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Globe Electronic Corp. Action Electronics Co.,Ltd.	14D681K-M	350-1000VAC; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Panasonic	E14681	680V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40035231
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-K or 14D681KK	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D681K-M(CNR(OLD) or 14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322

(Alternative)	Guangxi New Future Information Industry Co.,Ltd	NFC14D681K or NFC14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	NFC14D581K (NFC14D581KM)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG14K561M	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Ceramate Technical Co Ltd	GNR14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40031745
(Alternative)	Suzhou Sinotronix Electronics Co.,Ltd.	GNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40034186
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	20D821K	820V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE40030322
(Alternative)	Centra Science Corp.	14D471K-M	470V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Shenzhen Chenju Electronic Technology Co., Ltd	CNJU 14D681K-M or CNJU 14D681KM	470V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220

(Alternative)	Suzhou Sinotronix Electronics Co., Ltd.	GNR14D471K M	423~517 V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Ceramate Technical Co.,Ltd.	GNR14D471K M	470V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co.,Ltd.	14D471K-M	470V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co.,Ltd.	14D471K-M	430~507V, 50A;T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.	10D471K	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Ceramate Technical Co Ltd	GNR10D471K CL038-0G	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co.,Ltd	MYG10K471 M	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	10D471K	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE400303 22
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D471K-M	470V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE400303 22
(Alternative)	Guangxi New Future Information Industry Co.,Ltd	14D101K-K	100V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE400303 22
(Alternative)	Panasonic Corporation	ZNR E11621	620V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE400352 31
(Alternative)	Chengdu Tieda Electronic Co.Ltd	MYN15-621K	620V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR14D621K	620V, T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
Opt-coupler	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance

(Alternative)	TOSHIBA Semiconductor Co.,LTD	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851/PC817	IF:60mA;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50mA;IFM:1A;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	TOSHIBA Semiconductor Co.,LTD	TLP628	IF:60mA;VR: 5V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL851	IF:60mA;IFM:1A;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP781	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	HCPL-817	IF:50mA;VR: 6V; VCEO:70V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics.,Ltd	PC817/EL816	IF:60mA; IFP:1A ; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	PC817/L 816	IF:50mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance

(Alternative)	Renesas Electronics Corporation	PS2505-1(NEC2505)	80mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba	TLP620GR	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Vishay	SFH620A-3	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
MODEL 1: MSVPBU-09HRFN1-QRD0GW, MODEL 2: MSVPBU-12HRFN1-QRD0GW, MODEL 3: MSVPCU-18HRFN1-QRD0GW, MODEL 4: MSVPDU-24HRFN1-QRD0GW					
Indoor controller for all models	Guangdong Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR35G/BP3N1Y-VP.D.11.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor fan motor model 1, 2	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK20-38G (ZKFP-20-8-6-1)	DC310V; 20W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp.	WZDK20-38G (ZKFP-20-8-6-1)	DC310V; 20W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor fan motor for model 3	Nidec Shibaura (Zhejiang) Corp.	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co., Ltd	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor fan motor for model 4	Nidec Shibaura (Zhejiang) Corp.	WZDK58-38G (ZKFP-58-8-1)	DC310V; 58W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK58-38G (ZKFP-58-8-1)	DC310V; 58W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor transformer	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	EE22(5+5)2/P4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Zhongshan Coin Electronics Co., Ltd.(Maanshan Coiner Electronics Co Ltd).	EE22(5+5)2/P 4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co., Ltd (Js)	EE22(5+5)2/P 4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Hangzhou Ruichuang Industry &Trade Co., Ltd	EE22(5+5)2/P 4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Tdk Xiamen Co., Ltd	EE22(5+5)2/P 4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shunde Zhanliang Industrial Co., Ltd	EE22(5+5)2/P 4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor terminal block for model 1, 2	Changzhou Chanchenc Kaidu Electric Products Co., Ltd	JX-PF-5	250V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co., Ltd.	YF2001C	450VAC 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-5-R	600V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	CHANGZHOU KAIDU ELECTRICAL CO LTD	JXG-5E	450VAC; 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2001C	450VAC; 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205E	450VAC; 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

Indoor terminal block for model 3, 4	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004C or YF2004 or YF2004C-5	450V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Kaidu Electrical Co Ltd	JX-PF-5	250V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-5-R	600V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	CHANGZHOU KAIDU ELECTRICAL CO LTD	JXG-5E	450VAC; 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205E	450VAC; 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Step motor I for model 1, 2	Changchou Leili Electrical Equipment Co., Ltd.	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co., Ltd (Oukai)	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Leili Motor Co., Ltd.	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Whilip Intelligent Technology Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Hefei Huilipu Motor Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Step motor II for model 1, 2	Changchou Leili Electrical Equipment Co., Ltd.	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd(Oukai)	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co.,Ltd	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Step motor I for model 3, 4	Changchou Leili Electrical Equipment Co., Ltd.	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co., Ltd (Oukai)	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Whilip Intelligent Technology Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Step motor II for model 3, 4	Changchou Leili Electrical Equipment Co., Ltd.	SM-35-27-24-105	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd(Oukai)	SM-35-27-24-105	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co.,Ltd	SM-35-27-24-105	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	SM-35-27-24-105	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd	SM-35-27-24-105	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Taishan City Kexinte Motor Products Co.,Ltd	SM-35-27-24-105	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Whilip Intelligent Technology Co., Ltd	SM-35-27-24-105	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor bridge rectifier	Leshan Radio Company, Ltd.	GBU4K	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000VAC; 4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Microsemi	GBU408	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Microsemi	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Co., Ltd	US4KB100R(BP)	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	GBU407	1000V;4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	PAN JIT INTERNATIONAL INC.	GBU4M	1000V;4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000V;4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000 V;4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	GBU407	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Pan Jit International Inc.	GBU4M	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance

Indoor Electrolytic capacitor	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Panasonic	CE or CEM	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nichicon Corporation	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B3252-S5826-M1	450 V, 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 82 μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 82uF450V CE 105°C	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	450VDC; 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor fuse	Hollyland Co., Ltd.	50T	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Hollyland Co., Ltd.	50CT	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Wickmam -Werke Gmbh	195	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40016851
(Alternative)	Shanghai Songshan Electronic Co., Ltd	RT1	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 138756
(Alternative)	Conquer Electronics Co.,Ltd.	UTE 3.15	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Conquer Electronics Co.,Ltd.	UTE-AL3.15	T3,15AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	3,15A/250VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE40015669

(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	50CT	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014869
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	5ET	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Hollyland (China) Electronics Technology Co., Ltd.	61S	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co., Ltd.	932T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	316	T 3,15 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	334T	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5TE	T 3,15 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40036821
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	4T (3.6*10)	T 3,15 A; 350 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	30TS-032H1/H2/L	T 3,15 A; 350 VAC	EN 60127-1 EN 60127-2	CSA LR101178
Opt-coupler	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	TOSHIBA Semiconductor Co., LTD	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance

(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851/PC817	IF:60mA;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50mA;IFM:1A;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	TOSHIBA Semiconductor Co., LTD	TLP628	IF:60mA;VR: 5V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd.	EL851	IF:60mA;IFM:1A;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP781	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	HCPL-817	IF:50mA;VR: 6V; VCEO:70V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd	PC817/EL816	IF:60mA; IFP:1A ; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	PC817/L 816	IF:50mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	PS2505-1(NEC2505)	80mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance

(Alternative)	Toshiba	TLP620GR	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Vishay	SFH620A-3	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	A817V	IF:50 mA; VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL354N	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:6V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3022	IF;50mA; VR:6V; VDRM:400V; VTSM:1A; Viso:5000Vrms; IFT MAX:10mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 C	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3021	IF:50 mA; VR: 6V; VDRM:400V; VTSM:1A; Viso：5000Vrms;IFT MAX 15mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	R705A	IF: ±50 mA; IFM: ±0.5A; VCEO:70V; VECO:5V; IC:30mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P181	IF:50 mA; IFP:1A; VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP3526	IF:50 mA; IFP:1A; VR: 5V; VDRM600V	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Toshiba Semiconductor Company	TLP521	Ic:50mA; Vceo:55V; BVs:2500Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP184	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL3022	IF:60 mA; IFM:1A; VR: 6V; VDRM:250/400/600; IT:100mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL 816	IF:60 mA; IFP:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL814	IF: ±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P741	IF:60 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P781 or P785	IF:60 mA; IFP:1A; VR: 5V/6V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL851	IF:80 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:100/50mA;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	PS2505	IF:80 mA; IFP:1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Relay I	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 1E5 cycles; T85 °C	EN/IEC 61810-1	VDE 40009151
(Alternative)	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493
(Alternative)	Dongguan Churod Electronics Co., Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50174892

(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV Rh R 50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV Rh R 50232867
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN/IEC 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50031793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A; 10E4, T85;	EN/IEC 61810-1	TÜV Rh R 50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 10E4	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; 10E4, T mark: 90°C	EN/IEC 61810-1	VDE 40009151
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50222701
(Alternative)	Wangrong Electronics(Shenzhen) Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220640
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A; 10E4,	EN/IEC 61810-1	TÜV Rh R 2034012

(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC; 10E4, T70°C	EN/IEC 61810-1	VDE 40024142
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50217035
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50098412
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-5A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50258455
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	JDQ-SS-112V	5A/250VAC; 10E4	EN/IEC 61810-1	TUV Rh R 50138320
(Alternative)	Panasonic Industrial Devices Sales (China） Co., Ltd. Shenzhen Branch	ALDP112W	5A 277V AC; 10E4	EN/IEC 61810-1	VDE 40014384
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640

(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM-S	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRD-S-112D	5A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142424
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-124LMH	8A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3MH-WG	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPA-S-112-C	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPR-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50217035
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A 5A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948

(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G5NB-1A-E	5A,250VAC, 10E4; T85°C	EN 61810-1	VDE: 137575
Relay III for model 1, 2	Tyco Electronics (Shenzhen) Co., Ltd.	OMIH-SS-112LM	250VAC; 16A, T85ºC; 10E4	EN/IEC 61810-1	VDE 40005414
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-S-112LM	250VAC; 16A; T85ºC; 10E4	EN/IEC 61810-1	TUV R50143456
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-V-112LA2	250VAC; 16A; T85ºC; 10E4	EN/IEC 61810-1	TUV R50212872
(Alternative)	Wangrong Electronics (Shenzhen)Co., Ltd	RMIH-SS-112LM	277VAC; 16A; T105ºC; 10E4	EN/IEC 61810-1	TUV R50242245
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-V-112LA2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50212872
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-S-112LA2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50212872
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RMIH-SS-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50242245
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RMIH-SS-112LM-S	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50242245
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-S-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50227999
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-SH-112LM	17A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50227999
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRG-S-112D	17A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40037165
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OMIH-SS-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139138
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPJ-112-A-2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50294981
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPJ-S-112-A-2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50294981
Relay III for model 4	Yueqing Meishuo Electric Co., Ltd.	MPQ4-S-112D-A	240VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50184977

(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50057260
(Alternative)	Wangrong Electronics(Shenzhen)Co., Ltd.	RA2-112LM	250VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC, 10E4, 85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh 50087694
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh 50057260
(Alternative)	Dongguan Churod Electronics Co., Ltd	CHS02-V-112LA	30A 277VAC, T70°C; 10E4	EN/IEC 61810-1	TUV R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1	250VAC 30A,1E5 cycles,T85	EN/IEC 61810-1	VDE 40034781
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHS02-V-112LA	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RA2-112LM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFD-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-S-112DMK	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLA-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92S7D22-12-02	30A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40019600

(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92-4012	30A; 240VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPQ4-S-112D-A	30A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184977
Relay II	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	250VAC/25A, T85 ºC; 10E4	EN/IEC 61810-1	TÜV RhR 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM or SFK-112DMG or SFK-112DMP	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC,100K,85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	250VAC/20A, T85 ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2 (20A)	20A 250VAC,T85 ºC	EN/IEC 61810-1	TUV R50220099
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	891WP-1A-C	20A 250VAC,T85 ºC	EN/IEC 61810-1	TUV 50003966
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF or RF-SS-112DM	20A 250VAC, T85 ºC	EN/IEC 61810-1	TUV: R50194013
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50214482
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G4A-1A-E	250VAC; 20A; T-mark: 85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50214482
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50057260
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50003996

(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112DMF or RF-SS-112DM	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RA2-112LM	250VAC/30A,T85℃ 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Yueqing Meishuo Electric Co., Ltd	G4A-1A-E-CN	20A,250V AC;T70°C; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HK-112DM	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258458
(Alternative)	Yueqing Meishuo Electronics Co., Ltd.	MPY-S-112-A-P	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	TUV Rh AN 09857507
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh R 50184977
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	SFK-112DM	250VAC/25A T70 ºC; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Churod Electronics Co.,Ltd	CHS02-V-112LA	30A 277VAC; T70°C; 10E4	EN/IEC 61810-1	TUV R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co.,Ltd.	RC-112DM1	250VAC 30A,1E5 cycles,T85	EN/IEC 61810-1	VDE 40034781
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099

(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-L	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	EF00-1A2-D012-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50117320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd	PCFL-112D2M,1300	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139097
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140

(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
Varistor	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Foshan Kexin Electrical Appliances Co., Ltd	KVR MYN14-681A	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M (S14 K420)	AC420V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K 681M(MYG14 K 681)	AC680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616

(Alternative)	Panasonic	E14681	680V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D681K	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D681K-K or 14D681KK	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D681K-M(CNR(OLD) or 14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	NFC14D681K or NFC14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581 KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40031745
(Alternative)	Guangxi New Future Information Industry Co., Ltd	NFC14D581K (NFC14D581 KM)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K561 M	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Ceramate Technical Co Ltd	GNR14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40031745
(Alternative)	Suzhou Sinotronix Electronics Co., Ltd.	GNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 420005938

(Alternative)	Centra Science Corp.(Cnju)	CNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40034186
(Alternative)	Guangxi New Future Information Industry Co., Ltd	20D821K	820V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.	14D471K-M	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Shenzhen Chenju Electronic Technology Co., Ltd	CNJU 14D681K-M or CNJU 14D681KM	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Suzhou Sinotronix Electronics Co., Ltd.	GNR14D471K M	423~517 V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 420005938
(Alternative)	Ceramate Technical Co., Ltd.	GNR14D471K M	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co.,Ltd.	14D471K-M	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co.,Ltd.	14D471K-M	430~507V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.	10D471K	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Ceramate Technical Co., Ltd	GNR10D471K CL038-0G	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG10K471 M	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co., Ltd	10D471K	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D471K-M	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D101K-K	100V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322

(Alternative)	Panasonic Corporation	ZNR E11621	620V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Chengdu Tieda Electronic Co.Ltd	MYN15-621K	620V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR14D621K	620V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	PT. Panasonic Industrial Devices Batam	E11621	558 V ~ 682 V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 13001094909
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-K (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KM (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621KMS (NFC14D621K)	620 V;50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K	620 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621 KXXXXH(VDE)	620V; In=3KA; T85°C (UL:T105°C)	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030401
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K	680 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681M (MYG14K681)	680 V, T85°C; 5KA*4	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z1160679712002

(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N (MYG14K681)	680 V, T85°C; 4.5KA*1	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681K MS (NFC14D681 K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681	Φ14; 680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 005944
X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 333M;155M,474M;1 04K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 333M;155M,474M;1 04K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 333M;155M,474M;1 04K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 333M;155M,474M;1 04K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 333M;155M,474M;1 04K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 333M;155M,474M;1 04K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 333M;155M,474M;1 04K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40010694
(Alternative)	Xinyuan Electronic Co., Ltd	MPX/MKP	275VAC; 333M;155M,474M;1 04K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40027433
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	275VAC; 333M;155M,474M;1 04K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 112996
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	33nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP	100nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876

(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP	220nF; 275VAC; 85°C or above; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40037250
(Alternative)	Foshan City Xinyuan Electronic Co., Ltd,	MKP-X2	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40027433
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE104-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE105-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1

(Alternative)	OKAYA Electric Industries Co., Ltd.	LE224-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE474-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP X2	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co.，Ltd	HQX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	C4B	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	SEMKO:SE/0366-6

(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40000358
IPM I for model 1, 2	Fairchild Semiconductor	FNA41560B2	15A; 450VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
IPM II for model 1, 2	Toshiba Semiconductor Company	TPD4124K	2A; 500VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TPD4134K	3A; 500VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TPD4135K	3A; 500VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
IPM I for model 3, 4	Mitsubishi Electric	PSS30S92F6	30A; 450VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
IPM II for model 3	Sanken Electric Co., Ltd.	SIM6812M	2,5A;500VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
IPM II for model 4	Sanken Electric Co., Ltd.	SIM6822M	5A;450VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
IGBT for model 1, 2	Infineon	K30H603	30A; 600VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Rohm Semiconductor	RGTH60TS65D	30A; 650VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	GT30J122A (30J122A)	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics	RJH60F4	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	GT30J122	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	G30H603	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	IXYS Corporation	IXXH30N60B3	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH60TS65	30A; 650V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	K30T60	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	IGW30N60TP	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	International Rectifier	IRGP4630D-E	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sanken Electric Co., Ltd	FGM623S	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	K30H603	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH60TS65D	30A; 650V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	30J341	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	50JR22	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
IGBT for model 3	International Rectifier	GP4630D-E	600V/30A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Rohm Semiconductor	RGTH60TS65	650V/30A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Infineon	IGP30N60T or IGW30N60T	600V/30A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Ixys Corporation	IXXH30N60B3	600V/30A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Infineon	K30T60 or G30T60	600V/30A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Infineon	G50T60	600V/50A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Renesas	RJH60F4	600V/30A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	GT30J122A (30J122A)	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics	RJH60F4	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	GT30J122	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	G30H603	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	IXYS Corporation	IXXH30N60B3	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH60TS65	30A; 650V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	K30T60	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	IGW30N60TP	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	International Rectifier	IRGP4630D-E	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Sanken Electric Co., Ltd	FGM623S	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	K30H603	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH60TS65D	30A; 650V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	30J341	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	50JR22	30A; 600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	IXYS Corporation	IXXH50N60B3	50 A; 600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics	RJH60F7	50 A; 600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	G50T60	50 A; 600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH00TS65GC11	50 A; 650 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	IKW50N60H3	50 A;600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH00TS65D	50 A; 650 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Infineon Technologies	IKW50N60T	50 A; 600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	ROHM Semiconductor	RGTH00TS65D	50 A; 650 V	EN 60335-2-40 EN 60335-1	Tested with appliance
IGBT for model 4	International Rectifier	GP4068D-E	600V48A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Renesas	RJH60F7	600V/50A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Fairchild Semiconductor	FGH60N60UFD	600V/60A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Infineon	G50T60	600V/50A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Reactor for model 3	Foshan Welling Electronic And Electric Co., Ltd.	R20035(AL)	20A; Class H	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R20035(AL)	20A; Class H	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R20035(AL)	20 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R20035(AL)(CK)	20 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R20035(AL)(WH)	20 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R20035(AL)(HD)	20 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Qingdao Yunlu Energy Technology Co., Ltd	R20035(AL)	20 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	DPC Nantong Co., Ltd	R20035(AL)	20 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R20035(AL)	20 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
Reactor for model 4	Hui Zhou Jia Yang Core New-Tech Co., Ltd	R25027(AL)(J) (CNT-25027(AL)	25A; Class H	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Welling Electronic And Electric Co., Ltd.	R25027(AL)(J)	25A; Class H	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd	R25027(AL)(J)	25A; Class H	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R2503(AL)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Zhejiang Zhengliang Electronic Co., Ltd.	R25027(AL)(J)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R25027(AL)(J)	25 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R2503(AL)	25 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	R25027(AL)(J)(HD)	25 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Qingdao Yunlu Energy Technology Co., Ltd	R25027(AL)(J)	25 A, Class H	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	DPC Nantong Co., Ltd	R25027(AL)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R2503(AL)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Leqing Zhengliang Electronic Co., Ltd.	R25027(AL)(J)	25 A, Class N	EN 60335-2-40 EN 60335-1	Tested with appliance
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Model 1: MSAEAU-09HRFN1-QRD0GW, MSAEAU-09HRFNX-QRD0GW, Model 2: MSAEBU-12HRFN1-QRD0GW, MSAEBU-12HRFNX-QRD0GW, Model 3: MSAECU-18HRFN1-QRD0GW, MSAECU-18HRFNX-QRD0GW, Model 4: MSAEDU-24HRFN1-QRD0GW, MSAEDU-24HRFNX-QRD0GW					
Indoor controller for all models	Guangdong Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3N1Y-AE.D.11.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor fan motor model 1, 2	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK20-38G (ZKFP-20-8-6-1)	DC310V; 20W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp.	WZDK20-38G (ZKFP-20-8-6-1)	DC310V; 20W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor fan motor for model 3	Nidec Shibaura (Zhejiang) Corp.	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co., Ltd	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor fan motor for model 4	Nidec Shibaura (Zhejiang) Corp.	WZDK58-38G (ZKFP-58-8-1)	DC310V; 58W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK58-38G (ZKFP-58-8-1)	DC310V; 58W; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor transformer	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	EE22(5+5)2/P4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co., Ltd.(Maanshan Coiner Electronics Co Ltd).	EE22(5+5)2/P4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Shekou Jewel Electronic Co., Ltd (Js)	EE22(5+5)2/P 4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Hangzhou Ruichuang Industry &Trade Co., Ltd	EE22(5+5)2/P 4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Tdk Xiamen Co., Ltd	EE22(5+5)2/P 4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shunde Zhanliang Industrial Co., Ltd	EE22(5+5)2/P 4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor terminal block	Changzhou Chanchenc Kaidu Electric Products Co., Ltd	JX-PF-5	250V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co., Ltd.	YF2001C	450VAC 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-5-R	600V 4mm^2	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	CHANGZHOU KAIDU ELECTRICAL CO LTD	JXG-5E	450VAC 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205E	450VAC 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Step motor for model 1, 2, 3	Changchou Leili Electrical Equipment Co., Ltd.	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co., Ltd (Oukai)	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Jiangsu Huayang Electric Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Leili Motor Co., Ltd.	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Whilip Intelligent Technology Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Hefei Huilipu Motor Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Step motor for model 4	Changchou Leili Electrical Equipment Co., Ltd.	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co., Ltd (Oukai)	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor bridge rectifier	Leshan Radio Company, Ltd.	GBU4K	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000VAC; 4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Microsemi	GBU408	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Microsemi	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Co., Ltd	US4KB100R(BP)	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Taiwan Semiconducor	GBU407	1000V;4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	PAN JIT INTERNATIONAL INC.	GBU4M	1000V;4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000V;4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000 V;4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	GBU407	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Pan Jit International Inc.	GBU4M	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor Electrolytic capacitor	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Panasonic	CE or CEM	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nichicon Corporation	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B3252-S5826-M1	450 V, 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 82 μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 82uF450V CE 105°C	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	450VDC; 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor fuse	Hollyland Co., Ltd.	50T	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Hollyland Co., Ltd.	50CT	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Wickmam -Werke Gmbh	195	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868

(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022
(Alternative)	Walter Electronic Co., Ltd.	TSD series	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40016851
(Alternative)	Shanghai Songshan Electronic Co., Ltd	RT1	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 138756
(Alternative)	Conquer Electronics Co.,Ltd.	UTE-AL 005	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Conquer Electronics Co.,Ltd.	MST 005	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	DongGuan Better Electronics Technology Co., Ltd.	524	T; 5AH; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE 40025424
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	50T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	524T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	932T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	50CT	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014896

Opt-coupler	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	TOSHIBA Semiconductor Co., LTD	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851/PC817	IF:60mA;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50mA;IFM:1A;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	TOSHIBA Semiconductor Co., LTD	TLP628	IF:60mA;VR: 5V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd.	EL851	IF:60mA;IFM:1A;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP781	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	HCPL-817	IF:50mA;VR: 6V; VCEO:70V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd	PC817/EL816	IF:60mA; IFP:1A ; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	PC817/L 816	IF:50mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance

(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	PS2505-1(NEC2505)	80mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba	TLP620GR	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Vishay	SFH620A-3	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	A817V	IF:50 mA; VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL354N	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:6V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3022	IF;50mA; VR:6V; VDRM:400V; VTSM:1A; Viso:5000Vrms; IFT MAX:10mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 C	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3021	IF:50 mA; VR: 6V; VDRM:400V; VTSM:1A; Viso：5000Vrms;IFT MAX 15mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	R705A	IF: ±50 mA; IFM: ±0.5A; VCEO:70V; VECO:5V; IC:30mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P181	IF:50 mA; IFP:1A; VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP3526	IF:50 mA; IFP:1A; VR: 5V; VDRM600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP521	Ic:50mA; Vceo:55V; BVs:2500Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP184	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL3022	IF:60 mA; IFM:1A; VR: 6V; VDRM:250/400/600; IT:100mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL 816	IF:60 mA; IFP:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL814	IF: ±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P741	IF:60 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P781 or P785	IF:60 mA; IFP:1A; VR: 5V/6V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL851	IF:80 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:100/50mA;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	PS2505	IF:80 mA; IFP:1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Relay I	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 1E5 cycles; T85 °C	EN/IEC 61810-1	VDE 40009151

(Alternative)	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493
(Alternative)	Dongguan Churod Electronics Co., Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV Rh R 50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV Rh R 50232867
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN/IEC 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50031793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A 100K cycles, T85;	EN/IEC 61810-1	TÜV Rh R 50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 10E4	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; 10E4, T mark: 90°C	EN/IEC 61810-1	VDE 40009151
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50222701

(Alternative)	Wangrong Electronics(Shenzhen) Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220640
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A 100K cycles,	EN/IEC 61810-1	TÜV Rh R 2034012
(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC;: 10E4, T70°C	EN/IEC 61810-1	VDE 40024142
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50217035
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 10E4	EN/IEC 61810-1	TÜV Rh R 50098412
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-5A	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50258455
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	JDQ-SS-112V	5A/250VAC	EN/IEC 61810-1	TUV Rh R 50138320
(Alternative)	Panasonic Industrial Devices Sales (China） Co., Ltd. Shenzhen Branch	ALDP112W	5A 277V AC	EN/IEC 61810-1	VDE 40014384
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701

(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM-S	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRD-S-112D	5A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142424
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-124LMH	8A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3MH-WG	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPA-S-112-C	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPR-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50217035
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A 5A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948

(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G5NB-1A-E	5A,250VAC, 10E4; T85°C	EN 61810-1	VDE: 137575
Relay III for model 1, 2	Tyco Electronics (Shenzhen) Co., Ltd.	OMIH-SS-112LM	250VAC; 16A,T85ºC; 10E4	EN/IEC 61810-1	VDE 40005414
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-S-112LM	250VAC; 16A; T85ºC; 10E4	EN/IEC 61810-1	TUV R50143456
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-V-112LA2	250VAC; 16A; T85ºC; 10E4	EN/IEC 61810-1	TUV R50212872
(Alternative)	Wangrong Electronics (Shenzhen)Co., Ltd	RMIH-SS-112LM	277VAC; 16A; T105ºC; 10E4	EN/IEC 61810-1	TUV R50242245
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-V-112LA2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50212872
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-S-112LA2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50212872
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RMIH-SS-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50242245
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RMIH-SS-112LM-S	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50242245
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-S-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50227999
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-SH-112LM	17A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50227999
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRG-S-112D	17A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40037165
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OMIH-SS-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139138
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPJ-112-A-2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50294981

(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPJ-S-112-A-2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50294981
Relay III for model 4	Yueqing Meishuo Electric Co., Ltd.	MPQ4-S-112D-A	240VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50184977
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50057260
(Alternative)	Wangrong Electronics(Shenzhen)Co., Ltd.	RA2-112LM	250VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC,100K,85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUV Rh 50087694
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUV Rh 50057260
(Alternative)	Dongguan Churod Electronics Co., Ltd	CHS02-V-112LA	30A 277VAC,T70°C; 10E4	EN/IEC 61810-1	TUV R50271657
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHS02-V-112LA	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RA2-112LM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFD-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-S-112DMK	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLA-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92S7D22-12-02	30A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40019600

(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92-4012	30A; 240VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPQ4-S-112D-A	30A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184977
Relay II	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	250VAC/25A, T85 ºC; 10E4	EN/IEC 61810-1	TÜV RhR 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM or SFK-112DMG or SFK-112DMP	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC,100K,85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	250VAC/20A, T85 ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2 (20A)	20A 250VAC,T85 ºC	EN/IEC 61810-1	TUV R50220099
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	891WP-1A-C	20A 250VAC,T85 ºC	EN/IEC 61810-1	TUV 50003966
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF or RF-SS-112DM	20A 250VAC,T85 ºC	EN/IEC 61810-1	TUV: R50194013
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50214482
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G4A-1A-E	250VAC; 20A; T-mark: 85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50214482
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50057260
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50003996

(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RA2-112LM	250VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Yueqing Meishuo Electric Co., Ltd	G4A-1A-E-CN	20A,250V AC;T70°C; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HK-112DM	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258458
(Alternative)	Yueqing Meishuo Electronics Co., Ltd.	MPY-S-112-A-P	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	TUV Rh AN 09857507
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh R 50184977
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	SFK-112DM	250VAC/25A T70 ºC; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Churod Electronics Co.,Ltd	CHS02-V-112LA	30A 277VAC; T70°C; 10E4	EN/IEC 61810-1	TUV R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co.,Ltd.	RC-112DM1	250VAC 30A,1E5 cycles,T85 ºC	EN/IEC 61810-1	VDE 40034781
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TUV R50220099
(Alternative)	Yueqing Meishuo Electronics Co., Ltd.	MPY-S-112-A	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R50204088

(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-L	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	EF00-1A2-D012-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50117320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd	PCFL-112D2M,1300	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139097
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140

(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
Varistor	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Foshan Kexin Electrical Appliances Co., Ltd	KVR MYN14-681A	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M (S14 K420)	AC420V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582

(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K 681M(MYG14 K 681)	AC680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Panasonic	E14681	680V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D681K	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D681K-K or 14D681KK	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D681K-M(CNR(OLD) or 14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	NFC14D681K or NFC14D681K M	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581 KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40031745
(Alternative)	Guangxi New Future Information Industry Co., Ltd	NFC14D581K (NFC14D581 KM)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K561 M	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322

(Alternative)	Ceramate Technical Co Ltd	GNR14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40031745
(Alternative)	Suzhou Sinotronix Electronics Co., Ltd.	GNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 420005938
(Alternative)	Centra Science Corp.(Cnju)	CNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40034186
(Alternative)	Guangxi New Future Information Industry Co., Ltd	20D821K	820V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.	14D471K-M	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Shenzhen Chenju Electronic Technology Co., Ltd	CNJU 14D681K-M or CNJU 14D681KM	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Suzhou Sinotronix Electronics Co., Ltd.	GNR14D471K M	423~517 V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 420005938
(Alternative)	Ceramate Technical Co., Ltd.	GNR14D471K M	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co.,Ltd.	14D471K-M	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co.,Ltd.	14D471K-M	430~507V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.	10D471K	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Ceramate Technical Co., Ltd	GNR10D471K CL038-0G	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG10K471 M	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co., Ltd	10D471K	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322

(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D471K-M	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D101K-K	100V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Panasonic Corporation	ZNR E11621	620V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Chengdu Tieda Electronic Co.Ltd	MYN15-621K	620V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR14D621K	620V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC10D471K (10D471K)	470V;25A;T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	10D471K	470V;T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN12-471K	470V; 50A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D471K M (NFC14D471 K)	470V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D471K-M (14D471K)	470V;T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-471K	470V; 50A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D561K	560V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D561K	560V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-561K	560V; 50A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	PT. Panasonic Industrial Devices Batam	E11621	558V ~ 682V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 13001094909

(Alternative)	PT. Panasonic Industrial Devices Batam	E11621	558 V ~ 682 V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 13001094909
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-K (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KM (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621KMS (NFC14D621K)	620 V;50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K	620 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621 KXXXXH(VDE)	620V; In=3KA; T85°C (UL:T105°C)	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030401
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K	680 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681M (MYG14K681)	680 V, T85°C; 5KA*4	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N (MYG14K681)	680 V, T85°C; 4.5KA*1	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KMS (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681	Φ14; 680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 005944

X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40010694
(Alternative)	Xinyuan Electronic Co., Ltd	MPX/MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 40027433
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2	EN/IEC 60384-14	VDE 112996
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	33nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP	100nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP	220nF; 275VAC; 85°C or above; X2	EN/IEC 60384-14	VDE 40001876

(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40037250
(Alternative)	Foshan City Xinyuan Electronic Co., Ltd,	MKP-X2	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40027433
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE104-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE105-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1

(Alternative)	OKAYA Electric Industries Co., Ltd.	LE224-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE474-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP X2	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co.，Ltd	HQX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	C4B	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	SEMKO:SE/0366-6

(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40000358
IPM I for model 1, 2	Fairchild Semiconductor	FNA41560B2	15A; 450VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
IPM II for model 1, 2	Toshiba Semiconductor Company	TPD4124K	2A; 500VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TPD4134K	3A; 500VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TPD4135K	3A; 500VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
IPM I for model 3, 4	Mitsubishi Electric	PSS30S92F6	30A; 450VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
IPM II for model 3	Sanken Electric Co., Ltd.	SIM6812M	2,5A;500VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
IPM II for model 4	Sanken Electric Co., Ltd.	SIM6822M	5A;450VAC	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
9K: MSAFAU-09HRDN1-QRD0GW, MSMAAU-09HRDN1-QRD0GW, 12K: MSAFBU-12HRDN1-QRD0GW, MSMABU-12HRDN1-QRD0GW, 18K: MSAFCU-18HRFN1-QRD0GW, MSMACU-18HRFN1-QRD0GW, 24K: MSAFDU-24HRFN1-QRD0GW, MSMADU-24HRFN1-QRD0GW					
Indoor controller for 9K, 12K	Gd Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR26G/BP2N1Y-AE.D.01.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Indoor controller for 18K, 24K	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3N1Y-AE.D.11.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
indoor fan motor for 9K, 12K	Guangdong Welling Motor Manufacturing Co., Ltd. (Welling(Wuhu)Motor Manufacturing Co.,Ltd.)	RPG13H(YKFG-13-4-38L)	220-240VAC; 50Hz; 13W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Zhongshan Broad-Ocean Motor Co.,Ltd	RPG13H(YKFG-13-4-38L)	220-240VAC; 50Hz; 13W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhuhai city Tongde electric equipment co.,ltd	RPG13H(YKFG-13-4-38L)	220-240VAC; 50Hz; 13W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Green-Intelligence Electrical Equipment Co., Ltd.	RPG13H (YKFG-13-4-38L)	220-240VAC; 50Hz; 13W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
indoor fan motor for 18K	Nidec Shibaura (Zhejiang) Corp.	WZDK30-38G(ZKFP-30-8-3)	DC310V; 30W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co.,Ltd.	WZDK30-38G(ZKFP-30-8-3)	DC310V; 30W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co.,Ltd	WZDK30-38G(ZKFP-30-8-3)	DC310V; 30W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
indoor fan motor for 24K	Nidec Shibaura (Zhejiang) Corp.	WZDK58-38G(ZKFP-58-8-1)	DC310V; 58W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK58-38G(ZKFP-58-8-1)	DC310V; 58W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co.,Ltd	WZDK58-38G(ZKFP-58-8-1)	DC310V; 58W; class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
indoor transformer for 9k,12k	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co., Ltd.(Maanshan Coiner Electronics Co Ltd).	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd (JS)	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Hangzhou Ruichuang Industry&Trade Co.,Ltd	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Tdk Xiamen Co.,Ltd	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shunde Zhanliang Industrial Co., Ltd	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
indoor transformer for 18K, 24K	Hui Zhou Jia Yang Core New-Tech Co., Ltd.	EE22(5+5)2/P4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co., Ltd.(Maanshan Coiner Electronics Co Ltd).	EE22(5+5)2/P4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co.,Ltd (JS)	EE22(5+5)2/P4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Hangzhou Ruichuang Industry&Trade Co.,Ltd	EE22(5+5)2/P4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Tdk Xiamen Co.,Ltd	EE22(5+5)2/P4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shunde Zhanliang Industrial Co., Ltd	EE22(5+5)2/P4-1.52L2 (E22084)	EE22; 212,1~373,3VDC; output: 18,5-19,5VDC/200mA; 12VDC/ 1000mA; Class B	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
indoor terminal block for 9K,12K,18K	Changzhou Chanchenc Kaidu Electric Products Co.,Ltd	JX-PF-5	250V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Changzhou Hualing Xinte Electrical Manufacturing Co., Ltd.	JXO-Ee-5P-5	250V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Zhong Shan Shi Jointec Electronics Co.,Ltd	RS9103C-5 RS9103C	250VAC 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Yueqing Jing Grid Electric Co., Ltd.	JGD-ZR5-P-1	250V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Nantong Huaguan Electric Co.,Ltd	JXW-5-M	450V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205B	450V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
indoor terminal block for 24K	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004C or YF2004	450V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Kaidu Electrical Co Ltd	JX-PF-5	250V 4mm2	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205B-1	450V 4mm²	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Step motor for 9K, 12K, 18K	Changchou Leili Electrical Equipment Co., Ltd.	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co., Ltd (Oukai)	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Leili Motor Co.,Ltd.	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Guangdong Whilip Intelligent Technology Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Hefei Huilipu Motor Co., Ltd	SM-24-19-16-8 / MP24GA5	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
Step motor for 24K	Changchou Leili Electrical Equipment Co., Ltd.	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co., Ltd (Oukai)	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Hengxing Micro Motor Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Huilip Motor Co., Ltd.	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taishan City Kexinte Motor Products Co., Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-30-17-12-14 / MP30EA10	DC12V; Class E	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
indoor bridge rectifier for 9K,12K	Microsemi	SDB157A	1000V/60A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co.,Ltd.	DB157S	1000V;1,5A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliances
(Alternative)	Microsemi Shanghai Co.,Ltd.	SDB157A	1000V;1,5A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Taiwan Semiconducor	DBLS207G-T	1000V;1,5A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliance
(Alternative)	Pan Jit International Inc.	DI1510S	1000V;1,5A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliances
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	DB157S	1000V;1,5A	EN/IEC 60335-2-40 EN/IEC 60335-1	Test with appliances
Indoor bridge rectifier for 18K, 24K	Leshan Radio Company, Ltd.	GBU4K	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000VAC; 4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance

(Alternative)	Microsemi	GBU408	800V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Microsemi	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Co., Ltd	US4KB100R(BP)	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000V/4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	GBU407	1000V;4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	PAN JIT INTERNATIONAL INC.	GBU4M	1000V;4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000V;4A	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Leshan Radio Company, Ltd.	GBU4K	1000 V;4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	GBU407	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Pan Jit International Inc.	GBU4M	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000 V; 4 A	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor electrolytic capacitor for 9K,12k	Jianghao Electron	CD289A CD263	400VAC or 450VAC; 22µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jianghai Electron	CD289A CD263	400VAC or 450VAC; 22µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Panasonic	CE or CEM	400VAC or 450VAC; 22µF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD263	500VDC; 22µF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance

(Alternative)	Hunan Aihua Group Co., Ltd.	HL	450V, 22μF 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	WH	450V, 22μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	WH	500V, 22μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	ECA2W HG220Y	400V or 450V; 22μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	ECA2WHG220Y	400V or 450V; 22uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD263	450 VDC; 22μF VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor Electrolytic capacitor for 18K, 24K	Jianghao Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Jianghai Electron	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	Panasonic	CE or CEM	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	NICHICON CORPORATION	CD289A	400VAC or 450VAC,82μF; VENT 105°C	EN/IEC 60335-2-40 EN/IEC 60335-1	Tested with appliance
(Alternative)	EPCOS (Xiamen) Co., Ltd.	B3252-S5826-M1	450 V, 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V, 82 μF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 82uF450V CE 105°C	400VAC or 450VAC; 82μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	450VDC; 82 μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor fuse	Hollyland Co., Ltd.	50T	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014460
(Alternative)	Hollyland Co., Ltd.	50CT	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014896
(Alternative)	Wickmam -Werke Gmbh	195	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40005868
(Alternative)	Suzhou Llittlefuse Ovs Ltd.	618 series	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40014776
(Alternative)	Shanghai Songshan Electronic Co., Ltd.	RT1-20; (5T)	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE138756
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40019022

(Alternative)	Walter Electronic Co., Ltd.	TSD series	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40016851
(Alternative)	Shanghai Songshan Electronic Co., Ltd	RT1	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 138756
(Alternative)	Conquer Electronics Co.,Ltd.	UTE-AL 005	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Conquer Electronics Co.,Ltd.	MST 005	T 5AL;250 VAC	IEC/EN 60127-1 IEC/EN 60127-2	VDE 40008019
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	5A/250V	IEC/EN 60127-1 IEC/EN 60127-2	VDE40015669
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	50T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	524T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	932T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	Tested with appliance
(Alternative)	XuCheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	50CT	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014896
Opt-coupler	Toshiba	TLP521-1GB	IF: 50mA; IFM: 1A; VR: 6V; VCEO: 35V; VECO: 6V; IC: 50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	TOSHIBA Semiconductor Co., LTD	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance

(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851/PC817	IF:60mA;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50mA;IFM:1A;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	TOSHIBA Semiconductor Co., LTD	TLP628	IF:60mA;VR: 5V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd.	EL851	IF:60mA;IFM:1A;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP781	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50mA;IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd.	EL816	IF:60mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	HCPL-817	IF:50mA;VR: 6V; VCEO:70V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816/PC817	IF:50mA;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics Co., Ltd	PC817/EL816	IF:60mA; IFP:1A ; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	PC817/L 816	IF:50mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Sharp	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	PS2505-1(NEC2505)	80mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Toshiba	TLP620GR	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance

(Alternative)	Vishay	SFH620A-3	60mA,Operating Temp,: -55-100°C	IEC/EN 60335-2-40 IEC/EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	A817V	IF:50 mA; VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL354N	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:6V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3022	IF;50mA; VR:6V; VDRM:400V; VTSM:1A; Viso:5000Vrms; IFT MAX:10mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 C	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3021	IF:50 mA; VR: 6V; VDRM:400V; VTSM:1A; Viso：5000Vrms;IFT MAX 15mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	R705A	IF: ±50 mA; IFM: ±0.5A; VCEO:70V; VECO:5V; IC:30mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P181	IF:50 mA; IFP:1A; VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP3526	IF:50 mA; IFP:1A; VR: 5V; VDRM600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP521	Ic:50mA; Vceo:55V; BVs:2500Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Toshiba Semiconductor Company	TLP184	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL3022	IF:60 mA; IFM:1A; VR: 6V; VDRM:250/400/600; IT:100mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL 816	IF:60 mA; IFP:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL814	IF: ±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P741	IF:60 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P781 or P785	IF:60 mA; IFP:1A; VR: 5V/6V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL851	IF:80 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:100/50mA;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	PS2505	IF:80 mA; IFP:1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Relay I for 9K, 12K	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 1E5 cycles; T85 °C	EN/IEC 61810-1	VDE 40009151
(Alternative)	Chengdu Tongda Relay ManµFacture Co., Ltd.	JZC-8F	5A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 02156493
(Alternative)	Dongguan Churod Electronics Co., Ltd	A1-V-112DA	5A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV Rh R 50196152

(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHW-V-112DC2	5A;250VAC;T90 °C; 10E4	EN/IEC 61810-1	TÜV Rh R 50232867
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM (SRB-SH-112DM1)	5A; 277VAC;T mark: 85ºC; 100000	EN/IEC 61810-1	TÜV Rh R 50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM	5A; 250VAC; 100000 cycle; T85°C	EN/IEC 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SJ-S-112DM(G)	5A; 250VAC; T85°C; 100000 cycles	EN/IEC 61810-1	TÜV Rh R 50031793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SRD-S-112D	240VAC/5A 100K cycles, T85;	EN/IEC 61810-1	TÜV Rh R 50142424
(Alternative)	Oeg (Tyco Electronics Ec K K.)	OJE-SS-112DM	5A; 250VAC;T mark: 70ºC;100000	EN/IEC 61810-1	TÜV Rh R 40005414
(Alternative)	Omron Corporation.	G5NB-1A-E	5A; 250VAC; T85; 100000cycles	EN/IEC 61810-1	VDE 137575
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	307-1AH-C	5A; 250VAC;T mark: 70ºC; 100000	EN/IEC 61810-1	TÜV Rh R 50128391
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd	833H-1C-C	5A; 250VAC; T mark: 70ºC; 100000	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C(BP)	5A; 250VAC; T mark: 85ºC; 100000	EN/IEC 61810-1	TUV RH R 50003996
(Alternative)	Tyco Electronics Ec K.K.	PCJ-112D3M	12VDC; 5A; 250VAC; operate cycles: 1E5, T mark: 90°C	EN/IEC 61810-1	VDE 40009151
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM	5A; 250VAC; T80°C; 100000 cycles	EN/IEC 61810-1	TÜV Rh R 50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	5A; 250VAC; T85°C; 100000 cycles	EN/IEC 61810-1	TÜV Rh R 50222701
(Alternative)	Wangrong Electronics(Shenzhen) Co., Ltd	RC-112DM1	5A; 250VAC; T80°C; 100000 cycles	EN/IEC 61810-1	TÜV RhR 50220640
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	JQC-3FF	240VAC/5A 100K cycles,	EN/IEC 61810-1	TÜV Rh R 2034012
(Alternative)	Xiamen Hongfa Electroacous Tic Co Ltd	HF46F/12-HS1	5A; 250VAC;T mark: 70ºC; 100000	EN/IEC 61810-1	VDE 40025215

(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12HS1	5A; 250VAC; T70°C; 100000 cycles	EN/IEC 61810-1	VDE 40025215
(Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	JZC-32F	5A; 250VAC;: 100000 cycles, T70°C	EN/IEC 61810-1	VDE 40024142
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPD-S-112-A-2 (MPD-S-112-A)	5A; 250VAC; T105°C; 100000	EN/IEC 61810-1	TÜV Rh R 50184948
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPR-S-112-A	5A;250VAC; T85°C; operation cycles:100000	EN/IEC 61810-1	TÜV Rh R 50217035
(Alternative)	Zhejiang Huigang Electroacoustic Co., Ltd.	HRS3-SDC 12V-A	5A; 250VAC;T mark: 70ºC; 100000	EN/IEC 61810-1	TÜV Rh R 50098412
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HJ-S-112DM-5A	5A; 250VAC; T85°C; 100000 cycles	EN/IEC 61810-1	TÜV Rh R 50258455
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	JDQ-SS-112V	5A/250VAC; 10E4	EN/IEC 61810-1	TUV Rh R 50138320
(Alternative)	Panasonic Industrial Devices Sales (China) Co., Ltd. Shenzhen Branch	ALDP112W	5A 277V AC; 10E4	EN/IEC 61810-1	VDE 40014384
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM-S	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRD-S-112D	5A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142424
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-124LMH	8A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3MH-WG	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPA-S-112-C	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPR-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50217035
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A 5A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G5NB-1A-E	5A,250VAC, 10E4; T85°C	EN 61810-1	VDE: 137575

Relay II for all models	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	250VAC/25A, T85 ºC 10E4	EN/IEC 61810-1	TÜV RhR 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM or SFK-112DMG or SFK-112DMP	20A/25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd.	SLI-S-112DMK	30A,240VAC,100K,85 ºC	EN/IEC 61810-1	TUV Rh R50143450
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	250VAC/20A, T85 ºC 100,000 cycles	EN/IEC 61810-1	VDE 107293
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2 (20A)	20A 250VAC,T85 ºC	EN/IEC 61810-1	TUV R50220099
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	891WP-1A-C	20A 250VAC,T85 ºC	EN/IEC 61810-1	TUV 50003966
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF or RF-SS-112DM	20A 250VAC,T85 ºC	EN/IEC 61810-1	TUV: R50194013
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A	25A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50214482
(Alternative)	Omron Corporation Safety Standards Group	G4A-1A-E-CN	20A; 250VAC T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G4A-1A-E	250VAC; 20A; T-mark: 85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50214482
(Alternative)	Omron Electronic Component(Shenzhen)Ltd	G8P-1A4TP	AC250V;30A; T mark: 70ºC; 10E4	EN/IEC 61810-1	VDE 40004714
(Alternative)	Shanghai Songchuan Electronic Industrial Co., Ltd.	855AWP-1A-C2	240VAC; 30A; T mark:85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50057260
(Alternative)	Song Chuan Precision Co Ltd	891WP-1A-C	25A; 250VAC; T mark: 70ºC; 10E4	EN/IEC 61810-1	TUV Rh R 50003996
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd	RF-SS-112 DMF-L	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R 50194013

(Alternative)	Wangrong Electronics(Shenzhen)Co.,Ltd.	RA2-112LM	250VAC/30A,T85 ºC 10E4	EN/IEC 61810-1	TUV Rh R50228669
(Alternative)	Yueqing Meishuo Electric Co., Ltd	G4A-1A-E-CN	20A,250V AC; T70°C; 10E4	EN/IEC 61810-1	VDE 107293
(Alternative)	Nanjing Hongcheng Electric Co., Ltd.	HK-112DM	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV Rh R50258458
(Alternative)	Yueqing Meishuo Electronics Co., Ltd.	MPY-S-112-A-P	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	TÜV RhR 50220099
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; T85°C; 10E4	EN/IEC 61810-1	VDE 40007481
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160	240VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacaustic Co., Ltd.	HF2160-1A-12D	277VAC; 30A; T mark: 85ºC; 10E4	EN/IEC 61810-1	TUVRh R 50087694
(Alternative)	Xiamen Hongfa Electroacoustic Co Ltd	JQX-102F	20A; 250VAC; T70 ºC; 10E4	EN/IEC 61810-1	TUV Rh AN 09857507
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPQ4-S-112D-A	30A; 240VAC; T70°C; 10E4	EN/IEC 61810-1	TUV Rh R 50184977
(Alternative)	Yueqing Meishuo Electric Co., Ltd	MPY-S-112-A	20A; 250VAC; T70°C; 10E4	EN/IEC 61810-1	TÜV RhR 50204088
(Alternative)	Dongguan Sanyou Electrical Appliances Co.,Ltd.	SFK-112DM	250VAC/25A T70 ºC 100,000 cycles	EN/IEC 61810-1	VDE 40007481
(Alternative)	Dongguan Churod Electronics Co.,Ltd	CHS02-V-112LA	30A 277VAC; T70°C; 10E4	EN/IEC 61810-1	TUV R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co.,Ltd.	RC-112DM1	250VAC 30A,1E5 cycles,T85 ºC	EN/IEC 61810-1	VDE 40034781
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-L	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013

(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	EF00-1A2-D012-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50117320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd	PCFL-112D2M,1300	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139097
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	25A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHS02-V-112LA	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50271657
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RA2-112LM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50228669
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFD-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40007793
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-S-112DMK	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLI-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SLA-SH-112DM	30A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50143450
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92S7D22-12-02	30A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	T92-4012	30A; 240VAC; 10E4; T85°C	EN 61810-1	VDE 40019600
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPQ4-S-112D-A	30A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184977
Varistor	Ceramate Techn.Co., Ltd	GNR14D681K (GNR14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 5938

(Alternative)	Centra Science Corp.(Cnju)	CNR-14D681K (CNJU 14D681KM)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Xian Xiwuer Electronic & Info Co., Ltd.	MYG3-14K681 (MYG314K420)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008528
(Alternative)	Foshan Kestar Electronic Co., Ltd.	MYG14-681 (MYN14-681A)	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Foshan Kexin Electrical Appliances Co., Ltd	KVR MYN14-681A	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	14D681K-M (S14 K420)	AC420V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40027582
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K 681M(MYG14 K 681)	AC680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV SUD Z1 12 03 797 12001
(Alternative)	Foshan Kestar Electronic Co.	14D681K-M (CNR(OLD))	AC50-300V; 50A; T85 ºC	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40005616
(Alternative)	Panasonic	E14681	680V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D681K	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D681K-K or 14D681KK	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D681K-M(CNR(OLD) or 14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	NFC14D681K or NFC14D681KM	680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D581K (CNJU 14D581K-M or CNJU 14D581K-K)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220

(Alternative)	Ceramate Technical Co Ltd	GNR14D581K (GNR14D581 KM)	AC350-1000V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40031745
(Alternative)	Guangxi New Future Information Industry Co., Ltd	NFC14D581K (NFC14D581 KM)	AC50-680V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.(Cnju)	CNR-14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K561 M	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Ceramate Technical Co Ltd	GNR14D561K	560V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40031745
(Alternative)	Suzhou Sinotronix Electronics Co., Ltd.	GNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 420005938
(Alternative)	Centra Science Corp.(Cnju)	CNR20D821K	AC510V/DC670V; 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40034186
(Alternative)	Guangxi New Future Information Industry Co., Ltd	20D821K	820V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.	14D471K-M	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Shenzhen Chenju Electronic Technology Co., Ltd	CNJU 14D681K-M or CNJU 14D681KM	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Suzhou Sinotronix Electronics Co., Ltd.	GNR14D471K M	423~517 V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 420005938
(Alternative)	Ceramate Technical Co., Ltd.	GNR14D471K M	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co.,Ltd.	14D471K-M	470V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUV Z112037971 2001

(Alternative)	Guangxi New Future Information Industry Co.,Ltd.	14D471K-M	430~507V, 50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Centra Science Corp.	10D471K	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Ceramate Technical Co., Ltd	GNR10D471K CL038-0G	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE HA005938
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG10K471 M	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	TUVSUD Z112037971 2001
(Alternative)	Guangxi New Future Information Industry Co., Ltd	10D471K	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D471K-M	470V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Guangxi New Future Information Industry Co., Ltd	14D101K-K	100V;50A; T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40030322
(Alternative)	Panasonic Corporation	ZNR E11621	620V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40035231
(Alternative)	Chengdu Tieda Electronic Co.Ltd	MYN15-621K	620V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE
(Alternative)	Centra Science Corp.(Cnju)	CNR14D621K	620V, T85°C	IEC/EN 61051-1 IEC/EN 61051-2 IEC/EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC10D471K (10D471K)	470V;25A;T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	10D471K	470V;T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN12-471K	470V; 50A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D471K M (NFC14D471 K)	470V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322

(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D471K-M (14D471K)	470V;T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-471K	470V; 50A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D561K	560V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D561K	560V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-561K	560V; 50A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	PT. Panasonic Industrial Devices Batam	E11621	558V ~ 682V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 13001094909
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-K (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KM (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621KMS (NFC14D621K)	620 V;50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K	620 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621 KXXXXH(VDE)	620V; In=3KA; T85°C (UL:T105°C)	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030401
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220

(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K	680 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681M (MYG14K681)	680 V, T85°C; 5KA*4	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N (MYG14K681)	680 V, T85°C; 4.5KA*1	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KMS (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681	Φ14; 680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 005944
X2 capacitor	Anhui Xinyang Electronics Co., Ltd.	MPX / MPK / MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40024537
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40024534
(Alternative)	Jimson Electronics(Xia Men)Co., Ltd	MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40000463
(Alternative)	Shunde Da Hua Electric Co., Ltd	HD-Series	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40027182
(Alternative)	Epcos	MPX/MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40010694
(Alternative)	Xinyuan Electronic Co., Ltd	MPX/MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 40027433
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85°C or above; X2	EN/IEC 60384-14	VDE 112996
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	33nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876

(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP	100nF; 85°C or above; AC275V; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP	220nF; 275VAC; 85°C or above; X2	EN/IEC 60384-14	VDE 40001876
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40037250
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40037250
(Alternative)	Foshan City Xinyuan Electronic Co., Ltd,	MKP-X2	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40027433
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE104-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1

(Alternative)	OKAYA Electric Industries Co., Ltd.	LE105-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE224-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	OKAYA Electric Industries Co., Ltd.	LE474-MX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	ENEC SE/0142-1
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP X2	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co.，Ltd	HQX	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40024534

(Alternative)	Xiamen Faratronic Co., Ltd.	C4B	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	SEMKO:SE/0366-6
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	275VAC; 333M;155M,474M;104K;335K;474K;T85 °C or above; X2; 33nF; 85°C or above; AC275V; X2; 100nF; 85°C or above; AC275V; X2; 220nF; 275VAC; 85°C or above; X2	EN 60384-14	VDE 40000358
Indoor fan motor protector for 9K,12K	Wujin Control Electrical Appliances Plant	BW series	AC250V; 8A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 107747
(Alternative)	Guangzhou Guangbao Electrica Equipment Co.,Ltd	T11	AC250V; 8A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 0531/12.33
(Alternative)	Sensata Technologieschangzhou Co.Ltd	8CM	AC250V; 8A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	KEMA 2014531.02
(Alternative)	Changzhou New Zone Desheng Electric Appliance Co.,Ltd	BR series	AC250V; 8A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 132813
(Alternative)	Changzhou Newzone Desheng Electric Appliance Co., Ltd.	BR-A	250VAC; 6A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40015893
(Alternative)	Changhong tongli	KW-C2-90 (KW-C2)	250VAC; 6A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40004418
(Alternative)	Shengzhou Ganlin Wangshi Thermal Protector Factory	JW series	250VAC; 5A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40006013
(Alternative)	Sensata Technologies Holland. B.V.	BW	250VAC; 6A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 40013915
(Alternative)	Sensata Technologies Holland. B.V.	8CM	277VAC; 6A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	KEMA 2014531.02

(Alternative)	Changzhou Newzone Desheng Electric Appliance Co.,Ltd	BR-B1D or BR-B3D or BR-B5D or BRL2D	250VAC; 8A; Tf : 90°C	IEC/EN 60730-1 IEC/EN 60730-2-2	VDE 132813
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-A*	AC 250 V; 6 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40015893
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B3D***	AC 250 V 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 132813
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	18AM-B	AC 250 V; 6 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40022813
(Alternative)	Sensata Technologies China Co., Ltd	8CM	AC 277 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	CQC 120020791 08
(Alternative)	Sensata Technologies China Co., Ltd	17AM	AC 250 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 100935
(Alternative)	Sensata Technologies China Co., Ltd	6AM	AC 250 V; 6 A; 90°C	EN 60730-1 EN 60730-2-2	CQC 120020686 52
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-A2	AC 250 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-C2	AC 250 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B5D-90°C	250VAC; 5A; 90°C;	EN 60730-1 EN 60730-2-2	VDE 40040873
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B5D	90 °C	EN 60730-1 EN 60730-2-2	VDE 40015894
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B3D	90 °C	EN 60730-1 EN 60730-2-2	VDE 132813
(Alternative)	Changzhou Changhong Tongli Electric Appliance Co., Ltd	KW-C2	90 °C	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-A	90°C; 6A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40040873

(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B5D	90°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40040873
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-A2	90°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-C2	90°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	18AM-B	90°C; 6A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 40022813
(Alternative)	Sensata Technologies China Co., Ltd	17AM	90°C; 8A; 250V AC	EN 60730-1 EN 60730-2-2	VDE 100935
Fan motor capacitor for 9k,12k	Panasonic Electronic Devices (Jianggmen) Co.,Ltd.	451 series	450VAC; 50/60Hz; P2(S2); Class B or Class C ; 1,2µF; T70°C	EN/IEC 60252-1	TUV Rh 50145353
(Alternative)	Sheng Ye Electrical Co Ltd	C61-P2	450VAC; 50/60Hz; P2(S2); Class B or Class C ; 1,2µF; T85°C	EN/IEC 60252-1	TUV SUD 13 12 73204 010
(Alternative)	Shanghai haoye electric co.,ltd.	MKP-1 series	450VAC; 50/60Hz; Class B or Class C ; 1,2µF; T85°C;S3	EN/IEC 60252-1	VDE 40023685
(Alternative)	Shanghai haoye electric co.,ltd.	MKP-2 series	450VAC; 50/60Hz; P2(S2); Class B or Class C ; 1,2µF; T85°C;	EN/IEC 60252-1	TUV 50272575
(Alternative)	Shunde Kesheng Electronic Co.,Ltd	CBB61S	450VAC; 50/60Hz; P2(S2); Class B or Class C ; 1,2µF; T70°C/85°C	EN/IEC 60252-1	TUV Rh R50276081
(Alternative)	Guangdong Shuntai Capacitors & Electrical Equipment Co., Ltd(ST)	CBB61A	450VAC; 50/60Hz; P2(S2); Class B or Class C ; 1,2µF; T70°C;	EN/IEC 60252-1	TUV Rh R50268803
(Alternative)	guangdong fengming electronic tech.co.,ltd	CBB61-P2	450VAC; 50/60Hz; P2(S2); Class B or Class C ; 1,2µF; T70°C/85°C	EN/IEC 60252-1	TUV Rh R50274996
(Alternative)	Xiamen faratronic Co.,LTd	CBB61-S3(CG6)	450VAC; 50/60Hz; S3; Class B or Class C ; 1,2µF; T70°C/85°C	EN/IEC 60252-1	TUV Rh R50266163
(Alternative)	Guangdong Fengming Electronic Tech. Co., Ltd	CBB61-P2	450VAC; 50/60Hz; S3/P2; 1,2µF; 40/85/21;	EN 60252-1	TUV Rh R50274996

(Alternative)	Guangdong Shuntai Capacitors & Electrical Equipment Co., Ltd.	CBB61	AC450V; 50/60Hz; S3; B; 1,2µF; T70°C	EN 60252-1	VDE 127134
(Alternative)	Guangdong Shuntai Capacitors & Electrical Equipment Co., Ltd.	CBB61A	AC450V; 50/60Hz; S3; B; 1,2µF; T70°C	EN 60252-1	VDE 127134
(Alternative)	Panasonic Electronic Devices (Jiangmen) Co., Ltd	SH-DPY	450VAC; 50/60Hz; C S3; 10µF	EN 60252-1	TUV: R50141504 TUV: R50145353
(Alternative)	Shanghai Haoye Electric Co., Ltd	CBB61	AC450V; 50/60Hz; P2/S3; 1,2µF; 40/85/21	EN 60252-1	CQC070020 20425
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKNS	AC450V; 50/60Hz; P2/S3; 1,2µF; 40/85/21	EN 60252-1	VDE 40026755
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKP-1	AC450V; 50/60Hz; P2/S3; 1,2µF; 40/85/21	EN 60252-1	VDE 40023685
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKP-2	AC450V; 50/60Hz; P2/S3; 1,2µF; 40/85/21	EN 60252-1	CQC130061 03328
(Alternative)	Shunde Kesheng Electronic Co., Ltd	CBB61	AC400 V; 50/60Hz; P2/S3; 1,2µF; T70°C	EN 60252-1	VDE: 40009334
(Alternative)	Shunde Kesheng Electronic Co., Ltd	CBB61	AC450V; 50/60Hz; P2/S3; 1,2µF; T70°C	EN 60252-1	VDE: 40009334
(Alternative)	Shunde Kesheng Electronic Co., Ltd	CBB61S	AC450V; 50/60Hz; P2/S3; 1,2µF; T70°C	EN 60252-1	TUV Rh R50276081
(Alternative)	Wuxi Hongguang Capacitor Co., Ltd.	CBB61	AC450V; 50/60Hz; S2; 1,2µF; T70°C	EN 60252-1	TUV Rh R50120588
(Alternative)	Xiamen Faratronic Co., Ltd	C6G	1,2µF; 450VAC; 50/60Hz; B; S3; 40/85/21	EN 60252-1	VDE 40043589
wifi module (Smart kit) (Optional) for all models	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-OSK102 or OSK102	DC5V,300mA	IEC/EN 60335-1 IEC/EN 60335-2-40	Tested with appliance
Indoor Unit： A: MSAFBU-07HRDN1-QRD0GW, MSAFBU-07HRDN8-QRD0GW, MSAFBU-07HRDNX-QRD0GW, MSAFBU-09HRDN1-QRD0GW, MSAFBU-09HRDN8-QRD0GW, MSAFBU-09HRDNX-QRD0GW; B: MSAFBU-12HRDN1-QRD0GW, MSAFBU-12HRDN8-QRD0GW, MSAFBU-12HRDNX-QRD0GW; C: MSAFCU-18HRFN1-QRD0GW, MSAFCU-18HRFN8-QRD0GW, MSAFCU-18HRFNX-QRD0GW; D: MSAFDU-24HRFN1-QRD0GW, MSAFDU-24HRFN8-QRD0GW, MSAFDU-24HRFNX-QRD0GW; E: MTIU-07HWFN1-QRD0W, MTIU-07HWFN8-QRD0W, MTIU-07HWFNX-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-09HWFN8-QRD0W, MTIU-09HWFNX-QRD0W, MTIU-12HWFN1-QRD0W, MTIU-12HWFN8-QRD0W, MTIU-12HWFNX-QRD0W.					

Indoor fan motor for A, B	Welling (Wuhu) Motor Manufacturing Co., Ltd.	RPG13H (YKFG-13-4-38L)	220-240V~; 50Hz; 13W; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor fan motor for D	Nidec Shibaura (Zhejiang) Corp.	WZDK58-38G (ZKFP-58-8-1)	DC310V; 59W; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co., Ltd	WZDK58-38G (ZKFP-58-8-1)	DC310V; 59W; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor fan motor for C	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK30-38G (ZKFP-30-8-3)	DC310V; 30W; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Zhongshan Broad-Ocean Motor Co., Ltd	WZDK30-38G (ZKFP-30-8-3)	DC310V,30W Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Nidec Shibaura (Zhejiang) Corp.	WZDK30-38G (ZKFP-30-8-3)	DC310V,30W Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor fan motor for E	Zhongshan Broad-Ocean Motor Co., Ltd	ZKFN-55-8-22	DC310V,55W Class E	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor controller for A, B	GD Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR26G/BP2N1Y-AE.JD.GN.WXNK.NP1.2	220-240V; 50/60Hz	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor controller for C, D	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3N1Y-AE.D.11.NP1-1	220-240V 50Hz	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor Controller for E	GD Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR160T2/BP3N1X-B.JD.T.NK.NP1-1	220-240VAC; 50Hz	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor inverter module for E	GD Midea Air-Conditioning Equipment Co., Ltd.	DCFanT2(MN103DF46XEA+PS219C4).JD.TY.MMK.MP1-1	220-240VAC; 50Hz	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor IPM module for E	Mitsubishi Electric	PS219C4-AST	15A;600V	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Mitsubishi Electric	PS219C4-AS	15A;600V	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor fan motor protector for A, B	Sensata Technologies Changzhou Co., Ltd (Klixon)	8CM series	AC250V; 8A; Tf : 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	KEMA 2014531.02 Sensata 1412W048
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR series	AC250V; 8A; Tf : 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	VDE 132813 CNEx15.0481U

(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-A-90°C	250VAC; 6A; 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	VDE 40015893 CNEx15.0481U
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-A***	250VAC; 6A; 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	VDE 40015893 CNEx15.0481U
(Alternative)	Chang Zhou City Tong Li	KW-C2-90 (KW-C2)	250VAC; 6A; 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	VDE 40004418 CNEx15.0165U
(Alternative)	Sensata Technologies Holland. B.V.(Klixon)	8CM	277VAC; 6A; 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	KEMA 2014531.02 Sensata 1412W048
(Alternative)	Jiangsu Changsheng Electric Appliance	BR-B1D or BR-B3D or BR-B5D or BRL2D	250VAC; 8A; 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	VDE 132813 CNEx15.0481U
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B5D-90°C	250VAC; 5A; 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	VDE 40040873 VDE 40015984 CNEx15.0481U
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B3D 90°C	250VAC; 8A; 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	VDE 40040873 VDE 40015984 CNEx15.0481U
(Alternative)	Changzhou Changhong Tongli Electric Appliance Co., Ltd.	KW-C2 90°C	250VAC; 6A; 90°C	EN 60730-2-2 EN 60730-1 EN 60079-15	VDE 40020906 CNEx15.0165U
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-A*	AC 250 V; 6 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40015893
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	BR-B3D***	AC 250 V 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 132813
(Alternative)	Jiansu Changsheng Electric Appliance Co., Ltd	18AM-B	AC 250 V; 6 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40022813
(Alternative)	Sensata Technologies China Co., Ltd	8CM	AC 277 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	CQC 120020791088
(Alternative)	Sensata Technologies China Co., Ltd	17AM	AC 250 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 100935

(Alternative)	Sensata Technologies China Co., Ltd	6AM	AC 250 V; 6 A; 90°C	EN 60730-1 EN 60730-2-2	CQC 120020686 52
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-A2	AC 250 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40020906
(Alternative)	Changhong Changhong Tonglielectric Appliance Co., Ltd	KW-C2	AC 250 V; 8 A; 90°C	EN 60730-1 EN 60730-2-2	VDE 40020906
Indoor fan motor capacitor for A, B	Shunde Kesheng Electronic Co., Ltd	CBB61S	AC450V;50/60Hz; P2; S3; 1,2μF; T70°C	EN 60252-1	TUV:R5027 6081
(Alternative)	Guangdong Shuntai Capacitors & Electrical Equipment Co., Ltd.	CBB61A	AC450V;50/60Hz; S3; B; 1,2μF; T70°C	EN 60252-1	TUV:R5026 8803
(Alternative)	Guangdong Fengming Electronic Tech. Co., Ltd	CBB61	450VAC;50/60Hz;S3 (P2);B;1,2μF;40/85/2 1	EN 60252-1	TUV:502749 96
(Alternative)	Panasonic Electronic Devices (Jiangmen) Co., Ltd	SH-DPY	450VAC; 50/60Hz; C; S3; 1,2μF	EN 60252-1	TUV:R5014 5353
(Alternative)	Xiamen Faratronic Co., Ltd	C6G	1,2μF; 450VAC; 50/60Hz; B; S3; 40/85/21	EN 60252-1	VDE:400435 89; TUV:R 50266163
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKP-2	AC450V; 50/60Hz ; P2/S3; 1,2μF; 40/85/21	EN 60252-1	CQC130061 03328
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKP-1	AC450V; 50/60Hz; P2/S3; 1,2μF; 40/85/21	EN 60252-1	VDE:400236 85
(Alternative)	Shanghai Haoye Electric Co., Ltd	STB-03	AC450V; 50/60Hz; P2/S3; 1,2μF; 40/85/21	EN 60252-1	VDE 40023685
(Alternative)	Guangdong Fengming Electronic Tech. Co., Ltd	CBB61-P2	450VAC; 50/60Hz; S3/P2; 1,2μF; 40/85/21;	EN 60252-1	TUV Rh R50274996
(Alternative)	Guangdong Shuntai Capacitors & Electrical Equipment Co., Ltd.	CBB61	AC450V; 50/60Hz; S3; B; 1,2μF; T70°C	EN 60252-1	VDE 127134

(Alternative)	Guangdong Shuntai Capacitors & Electrical Equipment Co., Ltd.	CBB61A	AC450V; 50/60Hz; S3; B; 1,2µF; T70°C	EN 60252-1	VDE 127134
(Alternative)	Panasonic Electronic Devices (Jiangmen) Co., Ltd	SH-DPY	450VAC; 50/60Hz; C S3; 10µF	EN 60252-1	TUV: R50141504 TUV: R50145353
(Alternative)	Shanghai Haoye Electric Co., Ltd	CBB61	AC450V; 50/60Hz; P2/S3; 1,2µF; 40/85/21	EN 60252-1	CQC070020 20425
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKNS	AC450V; 50/60Hz; P2/S3; 1,2µF; 40/85/21	EN 60252-1	VDE 40026755
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKP-1	AC450V; 50/60Hz; P2/S3; 1,2µF; 40/85/21	EN 60252-1	VDE 40023685
(Alternative)	Shanghai Haoye Electric Co., Ltd	MKP-2	AC450V; 50/60Hz; P2/S3; 1,2µF; 40/85/21	EN 60252-1	CQC130061 03328
(Alternative)	Shunde Kesheng Electronic Co., Ltd	CBB61	AC400 V; 50/60Hz; P2/S3; 1,2µF; T70°C	EN 60252-1	VDE: 40009334
(Alternative)	Shunde Kesheng Electronic Co., Ltd	CBB61	AC450V; 50/60Hz; P2/S3; 1,2µF; T70°C	EN 60252-1	VDE: 40009334
(Alternative)	Shunde Kesheng Electronic Co., Ltd	CBB61S	AC450V; 50/60Hz; P2/S3; 1,2µF; T70°C	EN 60252-1	TUV Rh R50276081
(Alternative)	Wuxi Hongguang Capacitor Co., Ltd.	CBB61	AC450V; 50/60Hz; S2; 1,2µF; T70°C	EN 60252-1	TUV Rh R50120588
(Alternative)	Xiamen Faratronic Co., Ltd	C6G	1,2µF; 450VAC; 50/60Hz; B; S3; 40/85/21	EN 60252-1	VDE 40043589
Step motor I for A, B	Jiangsu Leili Motor Co., Ltd.	SM-24-19-16-8/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Whilip Intelligent Technology Co., Ltd	SM-24-19-16-8/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hefei Huilipu Motor Co., Ltd	SM-24-19-16-8/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co., Ltd.	SM-24-19-16-8/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co., Ltd.	SM-24-19-16-8/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
Step motor I for D	Guangdong Whilip Intelligent Technology Co., Ltd	SM-30-17-12-14/MP30EA10	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co.,Ltd.	SM-30-17-12-14/MP30EA10	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co.,Ltd.	SM-30-17-12-14/MP30EA10	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance

Step motor II for C	Jiangsu Leili Motor Co., Ltd.	SM-24-19-16-8/MP24GA16/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Guangdong Whilip Intelligent Technology Co., Ltd	SM-24-19-16-8/MP24GA16/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hefei Huilipu Motor Co., Ltd	SM-24-19-16-8/MP24GA16/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Changzhou Ouck Electric Co., Ltd.	SM-24-19-16-8/MP24GA16/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Jiangsu Huayang Electric Co., Ltd.	SM-24-19-16-8/MP24GA16/MP24GA5	DC12V; Class E	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor transformer for A, B	Hui Zhou Jiayang Core New-Tech Co., Ltd Wuhan Chenyang Core New-Tech Co., Ltd	E22102(EE22(5+5)2/P4-1.52L1)	EE22; input:212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd).	E22102(EE22(5+5)2/P4-1.52L1)	EE22; input:212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Shekou Jewel Electronic Co., Ltd.	EE22(5+5)2/P4-1.52L1	EE22; input:212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Shunde Zhanliang Industrial Co., Ltd	E22102	EE22; input:212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor transformer for C, D	Hui Zhou Jiayang Core New-Tech Co., Ltd Wu Han Chenyang Core New-Tech Co., Ltd	E22084(EE22(5+5)2/P4-1.52L2)	EE22; input:212.1~373.3VDC;output:12~21V;12V/1000mA;18.5~19.5V/200mA CLASS B	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd).	E22084(EE22(5+5)2/P4-1.52L2)	EE22;input:212.1~373.3VDC;output:12~21V;12V/1000mA;18.5~19.5V/200mA CLASS B	EN 60335-2-40 EN 60335-1	Tested with appliance

Indoor transformer for E	Dongguan Dazhong Electronic Co., Ltd.	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Huizhou Jiayang Core New-Tech Co., Ltd.	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Zhongshan Coin Electronics Co., Ltd. (Maanshan Coiner Electronics Co Ltd).	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shekou Jewel Electronic Co., Ltd (Js)	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Shunde Zhanliang Industrial Co., Ltd	E22102(EE22 (5+5)2/P4-1.52L1)	EE22; 212,1~373,3VDC; output: 15VDC/200mA; 12VDC/ 600mA; Class B	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor terminal block for A, B	Nantong Huaguan Electric Co., Ltd.	JXW-5-M	450V 4mm2	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Changzhou Kaidu Electrical Co Ltd	JX-PF-5	250V 4mm^2	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co., Ltd.	YF2004	450V 4mm^2	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205B	450V~ 4mm^2	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor terminal block for D	Changzhou Kaidu Electrical Co Ltd	JX-PF-5	250V 4mm²	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co., Ltd.	YF2004C or YF2004	450V 4mm²	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205B-1	450V 4mm²	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor terminal block for C	Nantong Huaguan Electric Co., Ltd	JXW-5-M	450V 4mm²	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Changzhou Kaidu Electrical Co Ltd	JX-PF-5	250V 4mm²	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450V 4mm²	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205B	450V 4mm²	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor terminal block I for E	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co., Ltd.	T21-BM1003CD02	300V; 4mm^2	EN 60335-2-40 EN 60335-1	Test with appliance
Indoor terminal block II for E	Nantong Huaguan Electric Co., Ltd	JXW-4-A	600V; 4mm^2	EN 60335-2-40 EN 60335-1	Test with appliance VDE 40013197
(Alternative)	Changzhou Kaidu Electrical Co Ltd	JXO-4B	450V; 4mm^2	EN 60335-2-40 EN 60335-1	Test with appliance
Relay I	Dongguan Churod Electronics Co., Ltd.	A1-V-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50174892
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-V-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50196152
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220640
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RJ-SS-112DM-S	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50222701
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-S-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRD-S-112D	5A; 240VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142424

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-S-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DM2	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50142420
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SS-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-124LMH	8A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3M	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OJE-SH-112DM	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139166
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	PCJ-112D3MH-WG	5A; 250VAC; 10E4; T85°C	EN 61810-1	VDE 40009151
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPA-S-112-C	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPR-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50217035
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A 5A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPD-S-112-A	5A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50184948
(Alternative)	Omron Electronic Components (Shenzhen) Ltd.	G5NB-1A-E	5A,250VAC, 10E4; T85°C	EN 61810-1	VDE: 137575
Relay II	Dongguan Churod Electronics Co., Ltd.	CHZ02-V-112LA2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50212872
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHZ02-S-112LA2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50212872
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RMIH-SS-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50242245

(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RMIH-SS-112LM-S	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50242245
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-S-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50227999
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-SH-112LM	17A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50227999
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SRG-S-112D	17A; 277VAC; 10E4; T85°C	EN 61810-1	VDE 40037165
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	OMIH-SS-112LM	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139138
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPJ-112-A-2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50294981
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPJ-S-112-A-2	16A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50294981
Relay III	Dongguan Churod Electronics Co., Ltd.	CHF-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Dongguan Churod Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50220099
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-L	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Wangrong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DMF	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50194013
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321

(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DMP	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50138321
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	EF00-1A2-D012-F	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50117320
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd	PCFL-112D2M,1300	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50139097
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Zhejiang Meishuo Electric Technology Co.,Ltd	MPY-S-112-A-P	20A; 250VAC; 10E4; T85°C	EN 61810-1	TUV Rh R50204088
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
(Alternative)	Omron Electronic Components(Shenzhen)Ltd.	G4A-1A-E-CN-HA	20A, 250VAC, 10E4; T85°C	EN 61810-1	TUV Rh R50276140
X2 capacitor for A, B	Foshan City Xin Yuan Electronic Co., Ltd.	MKP-X2	AC275V; 1,5µF; 40/100/21	EN 60384-14	VDE: 40027433
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP X2	155M; 275VAC; T 85°C or above; X2	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2, 250/275/280/300/305/310 Vac; 50/60Hz; 0,001uF to 10uF; 40/110/56/B J(±5%); K(±10%) or M(±20%).	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 1,5µF; M; 40/110/56; B	EN 60384-14	VDE:40000358
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	AC275/300V; 1,5uF; 40/110/21/C	EN 60384-14	VDE:40037250
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V; 0,033µF; 40/100/21	EN 60384-14	VDE: 4002743
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd(Xry)	MPX/MKP X2	333M; 275VAC; T 85°C or above; X2	EN 60384-14	VDE 40001876

(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2, 250/275/280/300/305 /310 Vac; 50/60Hz; 0,001uF to 10uF, 40/110/56/B J(±5%); K(±10%) or M(±20%).	EN 60384-14	VDE：40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 0,033μF; M; 40/110/56; B	EN 60384-14	VDE:40000358
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V; 0,47μF; 40/100/21	EN 60384-14	VDE: 40027433
(Alternative)	Ultra Tech Xiphi Enterprise Co.，Ltd	HQX	X2, 250/275/280/300/305 /310 Vac; 50/60Hz; 0,001uF to 10uF, 40/110/56/B J(±5%); K(±10%) or M(±20%).	EN 60384-14	VDE：40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 0,47μF; K; 40/110/56; B	EN 60384-14	VDE:40000358
(Alternative)	Okaya Electric Industries Co., Ltd.	LE474-MX	AC310V; 50/60Hz; 0,47uF; T110°C	EN 60384-14	ENEC SE/0142-1
(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	AC275/300V; 0,47uF; 40/110/21/C	EN 60384-14	VDE:40037250
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V; 0,1μF; 40/100/21	EN 60384-14	VDE: 40027433
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd (Xry)	MPX/MKP X2	104K; 275VAC; T 85°C or above; X2	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2, 250/275/280/300/305 /310 Vac; 50/60Hz; 0,001uF to 10uF; 40/110/56/B J(±5%); K(±10%) or M(±20%).	EN 60384-14	VDE：40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 0,10μF; K; 40/110/56; B	EN 60384-14	VDE:40000358
(Alternative)	Okaya Electric Industries Co., Ltd.	LE104-MX	AC310V; 50/60Hz; 0,1uF; T110°C	EN 60384-14	ENEC SE/0142-1
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V; 0,47μF; 40/100/21	EN 60384-14	VDE: 40027433
X2 capacitor for C, D	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V;1,5μF;40/100/21	EN 60384-14	VDE 40027433

(Alternative)	Shanghai Xiangriya Electonic Co., Ltd(Xry)	MPX/MKP X2	155M; 275VAC; T 85°C or above; X2	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2, 250/275/280/300/305/310 Vac; 50/60Hz; 0,001uF to 10uF, 40/110/56/B J(±5%), K(±10%) or M(±20%),	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 1,5μF; M; 40/110/56; B	EN 60384-14	VDE 40000358
(Alternative)	Changzhou Jiaguan Electronics C O.,Ltd	MKP-X2	AC275/300V,1,5uF,40/110/21/C	EN 60384-14	VDE 40037250
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V; 0,033μF; 40/100/21	EN 60384-14	VDE 40027433
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd(Xry)	MPX/MKP X2	333M;275VAC; T 85°C or above; X2	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2, 250/275/280/300/305/310 Vac; 50/60Hz; 0,001uF to 10uF, 40/110/56/B J(±5%), K(±10%) or M(±20%),	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 0,033μF; M; 40/110/56; B	EN 60384-14	VDE 40000358
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V;0,47μF;40/100/21	EN 60384-14	VDE 40027433
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2, 250/275/280/300/305/310 Vac; 50/60Hz; 0,001uF to 10uF, 40/110/56/B J(±5%), K(±10%) or M(±20%),	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 0,47μF; K; 40/110/56; B	EN 60384-14	VDE 40000358
(Alternative)	Okaya Electric Industries Co., Ltd.	LE474-MX	AC310V;50/60Hz;0,47uF; T110°C	EN 60384-14	ENEC SE/0142-1
(Alternative)	Changzhou Jiaguan Electronics C O.,Ltd	MKP-X2	AC275/300V,0,47uF,40/110/21/C	EN 60384-14	VDE 40037250

(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V;3,3μF;40/100/21	EN 60384-14	VDE 40027433
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2, 250/275/280/300/305/310 Vac; 50/60Hz; 0,001uF to 10uF, 40/110/56/B J(±5%), K(±10%) or M(±20%).	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 3,3μF; K; 40/110/56; B	EN 60384-14	VDE 40000358
(Alternative)	Changzhou Jiaguan Electronics C O.,Ltd	MKP-X2	AC275/300V,3,3uF,40/110/21/C	EN 60384-14	VDE 40037250
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V;0,1μF;40/100/21	EN 60384-14	VDE 40027433
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd(Xry)	MPX/MKP X2	104K;275VAC; T 85°C or above; X2	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2, 250/275/280/300/305/310 Vac; 50/60Hz; 0,001uF to 10uF, 40/110/56/B J(±5%), K(±10%) or M(±20%).	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 0,10μF; K; 40/110/56; B	EN 60384-14	VDE 40000358
(Alternative)	Okaya Electric Industries Co., Ltd.	LE104-MX	AC310V;50/60Hz;0,1uF; T110°C	EN 60384-14	ENEC SE/0142-1
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	AC275V; 0,47μF; 40/100/21	EN 60384-14	VDE 40027433
(Alternative)	Shanghai Xiangriya Electonic Co., Ltd(Xry)	MPX/MKP X2	474M;275VAC; T 85°C or above; X2	EN 60384-14	VDE 40001876
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2, 250/275/280/300/305/310 Vac; 50/60Hz; 0,001uF to 10uF, 40/110/56/B J(±5%), K(±10%) or M(±20%).	EN 60384-14	VDE 40024534
(Alternative)	Xiamen Faratronic Co., Ltd.	MKP62	X2; AC 275V; 0,47μF; M; 40/110/56; B	EN 60384-14	VDE 40000358
(Alternative)	Okaya Electric Industries Co.,Ltd.	LE474-MX	AC310V;50/60Hz;0,47uF;T110°C	EN 60384-14	ENEC SE/0142-1

(Alternative)	Changzhou Jiaguan Electronics Co., Ltd	MKP-X2	AC275/300V,0,47uF, 40/110/21/C	EN 60384-14	VDE 40037250
X2 capacitor for E	Ultra Tech Xiphi Enterprise Co Ltd	HQX	AC310V;50/60Hz;0,1uF;T110ºC;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40019022
(Alternative)	Okaya Electric Industries Co., Ltd.	LE104-MX	AC275V;1,5µF;40/100/21;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40016851
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd,	MKP-X2	275VAC; 104K;104M;155K;155M;474K;474M;105K;105M; T 100°C or above; X2;333K;333M	EN 60384-14	VDE 138756
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd (Cy)	MKP-X2	275VAC; 0,1uF; T 100°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40008019
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd (Cy)	MKP-X2	X2; 250/275/280/300/305/310 Vac; 50/60Hz; 0,001uF to 10uF;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M; 40/110/56	EN 60384-14	VDE 40027433
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	X2; 250/275/280/300/305/310 Vac; 50/60Hz; 0,001uF to 10uF;333K;333M 40/110/56/B ;104K.104M;155K;155M;474K;474M;333K;333M	EN 60384-14	VDE 40034697
(Alternative)	Ultra Tech Xiphi Enterprise Co., Ltd	HQX	AC310V;50/60Hz;0,47uF;T110°C;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE40025424
(Alternative)	Okaya Electric Industries Co., Ltd.	LE474-MX	AC310V;50/60Hz;0,47uF;T110°C;104K;104M;155K;155M;474K;474M;105K;105M;;333K;333M	EN 60384-14	VDE 40009610

(Alternative)	Xiamen Faratronic Co. Ltd.	MKP61	275VAC; T 85°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40007424
(Alternative)	Xiamen Faratronic Co. Ltd.	MKP62	275VAC; T 85°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40000358
(Alternative)	Ultra Tech Xiphi Enterprise Co Ltd	HQX	275VAC; T 85°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40024534
(Alternative)	Jimson Electronics (Xia Men) Co., Ltd	MKP	275VAC; T 85°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40000463
(Alternative)	Foshan Shunde Beijiao Hua Da Electric Industrial Co., Ltd.	HD-Series	275VAC; T 85°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40027182
(Alternative)	Epcos (Zhuhai Ftz) Co., Ltd.	B3292#	275VAC; T 85°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40010694
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd(Cy)	MKP-X2	275VAC; T 100°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40027433
(Alternative)	Foshan City Xin Yuan Electronic Co., Ltd(Cy)	MKP-X2	275VAC; 0.1uF; T 100°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M;333K;333M	EN 60384-14	VDE 40027433
(Alternative)	Shanghai Xiangriya Electronic Co., Ltd (Xry)	MPX/MKP	275VAC; T 85°C or above; X2;104K;104M;155K;155M;474K;474M;105K;105M	EN 60384-14	VDE 40001876

(Alternative)	Shanghai Xiang Ri Ya Electronic Co., Ltd.	MPX/MKP	33nF; 100°C or above; AC275V; X2	EN 60384-14	VDE 40001876
(Alternative)	Shanghai Xiang Ri Ya Electronic Co., Ltd.	MPX/MKP	100nF; 100°C or above; AC275V; X2	EN 60384-14	VDE 40001876
(Alternative)	Shanghai Xiang Ri Ya Electronic Co., Ltd.	MPX/MKP	220nF; 275VAC; 100°C or above; X2	EN 60384-14	VDE 40001876
Varistor I	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE:40008220
(Alternative)	Pt. Panasonic Industrial Devices Batam	E11621	558V ~ 682V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC13001094909
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621K XXXXH(VDE)	620V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE：40030401
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K/MYN15-621K	620V; 50A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE：40008571
Varistor II	Guangxi New Future Information Industry Co., Ltd.	NFC14D681K M NFC14D681K	680V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE：40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M /14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE:40008220
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N MYG14K681	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z1160679712002
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K/MYN15-681K	680V; 50A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE：40008571
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681 /TVR14681	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE：005944
(Alternative)	PT. Panasonic Industrial Devices Batam	E11621	558 V ~ 682 V, T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	CQC 13001094909
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-K (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681K M (NFC14D681 K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322

(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K-M (14D681K)	680 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621KMS (NFC14D621K)	620 V;50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D621K	620 V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K	620 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D621K	620 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Success Electronics Co., Ltd.	10D621KH /SVR10D621 KXXXXH(VDE)	620V; In=3KA; T85°C (UL:T105°C)	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030401
(Alternative)	Shenzhen Chenju Electric Technology Co., Ltd	14D681K	680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
(Alternative)	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K	680 V; 50 A; T125°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008571
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681M (MYG14K681)	680 V, T85°C; 5KA*4	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Nanjing Shagon Electronics Co., Ltd	MYG14K681N (MYG14K681)	680 V, T85°C; 4.5KA*1	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV: Z116067971 2002
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	NFC14D681KMS (NFC14D681K)	680 V; 50 A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
(Alternative)	Guangdong Welkin Thinking Electronic Co., Ltd	TVR14681	Φ14; 680V; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 005944
Optcoupler I	Everlight Electronics., Ltd.	EL816	IF:60mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P785	IF:60mA;VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Wuxi China Resources Semico Co., Ltd.	HK817B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Optcoupler II	Everlight Electronics., Ltd.	EL816	IF:60 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Wuxi China Resources Semico Co., Ltd.	HK817B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Optcoupler III	Everlight Electronics., Ltd.	EL851	IF:60 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Wuxi China Resources Semico Co., Ltd.	HK851Y	IF:50 mA;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Optcoupler IV	Renesas Electronics Corporation	PS2505	IF:80 mA; IFP:1A;; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Vishay Semiconductors	SFH620A-3	IF:±60 mA; IFM:1A; VR: 6V; VCEO:70V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL814	IF:±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
Optcoupler V	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL851	IF:60 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Wuxi China Resources Semico Co., Ltd.	HK851Y	IF:50 mA;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Lite-On Electronics, Inc.	851MD	IF:60mA;VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor bridge rectifier I for A, B	Leshan Radio Company, Ltd.	GBU4K	1000V;4A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Microsemi Shanghai Co., Ltd.	GBU410	1000V;4A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Leshan Share Electronic Co., Ltd.	GBU410	1000V;4A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Semiconductor Corp.	GBU410	1000V;4A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Taiwan Semiconducor	GBU407	1000V;4A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Pan Jit International Inc.	GBU4M	1000V;4A	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000V;4A	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor electrolytic capacitor for A, B	Shenzhen Jianghao Electronics Co., Ltd.	CD263	450VDC 22μF VENT 105°C	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Panasonic	ECA2WHG220Y	400V or 450V ;22uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	HL	450V,22μF 105°C	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Nichicon Corporation Co., Ltd	CA(M) 22uF450V CE 105℃	400VAC or 450VAC;22uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Tested with appliance
Indoor electrolytic capacitor for C, D	Shenzhen Jianghao Electronics Co., Ltd.	CD289A	450VDC 82μF VENT 105°C	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Epcos (Xiamen) Co., Ltd.	B3252-S5826-M1	450V,82μF VENT 105°C	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V,82μF 105°C	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 82uF450V CE 105℃	400VAC or 450VAC;82uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Tested with appliance
Electrolytic Capacitor I	Shenzhen Jianghao Electronics Co., Ltd.	CD263	400V or 450V ;22uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	ECA2W HG220Y	450V,22μF 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	WH	400VAC or 450VAC; 22μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Jianghao Electron	CD289A CD263	400VAC or 450VAC; 22μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Jianghai Electron	CD289A CD263	400VAC or 450VAC; 22μF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance

(Alternative)	Nichicon Corporation	CA or CA(M)	400VAC or 450VAC; 22µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	CE or CEM	3000V	EN 60335-2-40 EN 60335-1	Test with appliances
Electrolytic Capacitor II	Shenzhen Jianghao Electronics Co.,Ltd.	CD289A	450VDC; 220µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co.,Ltd.	LH	450V;220µF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co.,Ltd	GG(M) 220uF450V CE 105°C	400VAC or 450VAC;220uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation	CD289A	400VAC or 450VAC;220uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Panasonic	CE or CEM	400VAC or 450VAC,220µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Electrolytic Capacitor III	Shenzhen Jianghao Electronics Co., Ltd.	CD291A	450VDC; 470µF VENT; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Epcos (Xiamen) Co., Ltd.	B43252-S5477-M7	450V;470µF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Hunan Aihua Group Co., Ltd.	LH	450V;470µF; 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation Co., Ltd	GG(M) 470uF450V CE 105°C	400VAC or 450VAC;470uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nichicon Corporation	CD291A	400VAC or 450VAC;470uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
(Alternative)	Nippon Chemi-Con Corporation	EKMQ451LIN 471MA45S	400VAC or 450VAC;470uF; VENT 105°C	EN 60335-2-40 EN 60335-1	Test with appliance
Fuse	Hollyland (China) Electronics Technology Corporation Limited.	50T	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014460
(Alternative)	Hollyland (China) Electronics Technology Corporation Limited.	5ET	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40015669
(Alternative)	Dongguan Better Electronic Technology Co Ltd	522T	T 5 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Dongguan Better Electronic Technology Co Ltd	524T	T 5 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Dongguan Better Electronic Technology Co Ltd	932T	T 5 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Xucheng Electronics (Shenzhen) Co., Ltd	5T (5*20)	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40009610
(Alternative)	Hollyland (China) Electronics Technology Corporation Ltd.	50CT	T 5 A; 250 VAC	EN 60127-1 EN 60127-2	VDE 40014896
(Alternative)	Dongguan Better Electronic Technology Co Ltd	524	T 5 A; 250 VAC	EN 60335-2-40 EN 60335-1	Tested with appliance
For all models					
Remote control	GD Midea Air-Conditioning Equipment Co., Ltd.	RG09 series	5VDC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	RG36 series	5VDC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	RG57 series	5VDC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	RG58 series	5VDC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	RG66 series	5VDC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	RG68 series	5VDC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	RG70 series	5VDC	EN 60335-2-40 EN 60335-1	Tested with appliance
Wire controller	GD Midea Air-Conditioning Equipment Co., Ltd.	KJR-12B series	12VDC	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	KJR-120G series	12VDC	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	GD Midea Air-Conditioning Equipment Co., Ltd.	KJR-120C series	12VDC	EN 60335-2-40 EN 60335-1	Tested with appliance
Internal wire	Yueqing Guoxin Electric Wire Factory	UL1015	600VAC; 105°C; AWG 12-22;	EN 60335-2-40 EN 60335-1	UL E247528 (Test with appliance)
(Alternative)	Various	UL1015	600VAC; 105°C; AWG 12-22	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Foshan Shunde Baosheng Electronics Co Ltd	UL1007	300VAC; 80°C; AWG16-32;	EN 60335-2-40 EN 60335-1	UL E257286 (Test with appliance)
(Alternative)	Various	UL1007	300VAC; 80°C; AWG16-32	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Guangdong Linoya Electronic Technology Co., Ltd.	UL1430	300VAC; 105°C; AWG16-30;	EN 60335-2-40 EN 60335-1	UL E315619 (Test with appliance)
(Alternative)	Various	UL1430	300VAC; 105°C; AWG16-30;	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	3A PVC Wire & Cable Co., Ltd	UL3286	300VAC; 105°C; AWG16-30;	EN 60335-2-40 EN 60335-1	UL E209277 (Test with appliance)
(Alternative)	Various	UL3286	300VAC; 105°C; AWG16-30;	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Various	UL3122	AWG14; 105°C;	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Shenzhen Mysun Insulation Materials Co Ltd	UL3071	AWG14; 105°C;	EN 60335-2-40 EN 60335-1	UL E239689 (Test with appliance)
Internal wire	Yueqing Guoxin Electric Wire Factory	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E247528 Test with appliance
(Alternative)	Changzhou Hongchang Electronics Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E212395 Test with appliance
(Alternative)	Huasheng Eletrical Industrial Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E230918 Test with appliance
(Alternative)	Guangdong Province Guangzhou Panyu Cable Works Co Ltd Panyu Cable Factory	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E216775 Test with appliance
(Alternative)	Guangdong Xinya Electronics Technology Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E170689 Test with appliance
(Alternative)	Zhongshan City Shenbao Electric Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C;	EN 60335-2-40 EN 60335-1	UL E199818 Test with appliance
(Alternative)	Lichang Connector Industry Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E228858 Test with appliance

(Alternative)	Huizhou Ltk Electronic Cable Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E148000 Test with appliance
(Alternative)	Heshan City Tehsing Huanchiu Electric Cable Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E229340 Test with appliance
(Alternative)	Guangdong Linoya Electronic Technology Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E315619 Test with appliance
(Alternative)	Guangzhou Kaiheng Enterprise Group	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E248582 Test with appliance
(Alternative)	Shenzhen Qifurui Electronics Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E211048 Test with appliance
(Alternative)	Foshan Zhuo Sheng Green Wire Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E251755 Test with appliance
(Alternative)	LS Cable(Wuxi) Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E52853 Test with appliance
(Alternative)	Guangzhou Zhongte Electrical Material Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E307902 Test with appliance
(Alternative)	Chau's Electrical Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E114082 Test with appliance
(Alternative)	Wuhu Shuncheng Electronics Co., Ltd	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E314693 Test with appliance
(Alternative)	Foshan Shunde Yonggaolian Wire & Cable Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E314925 Test with appliance
(Alternative)	Zhongshan Dongfeng Zhoushishenlong Electronic Wire Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E257280 Test with appliance
(Alternative)	Dongguan Jinlong Electronics Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E333717 Test with appliance
(Alternative)	Jiangmen Huayuan Enterprise Co Ltd	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E341507 Test with appliance
(Alternative)	Foshan Shunde Zhanliang Industrialist	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E330864 Test with appliance
(Alternative)	Various	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	CB approved
(Alternative)	Anhui Xinke New Materials Stock Co Ltd Cable & Wires Branch Co	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E220455 Test with appliance

(Alternative)	Jiangyin Jiangzhou Copper Product Co Ltd	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E341212 Test with appliance
(Alternative)	Guangdong Yong Roi Cable Technology Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E204893 Tested with appliance
(Alternative)	Wuxi Huahao Electric Co., Ltd.	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E231903 Tested with appliance
(Alternative)	Foshan Shunde Huakun Electric Co Ltd	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E305878 Tested with appliance
(Alternative)	Jiaxing Tition Wire Co Ltd	UL1015	600VAC; 105°C; AWG 12-22;	EN 60335-2-40 EN 60335-1	UL E320271 (Test with appliance)
(Alternative)	Jiaxing Tition Wire Co Ltd	UL1007	300VAC; 80°C; AWG16-32;	EN 60335-2-40 EN 60335-1	UL(E320271 Test with appliance)
(Alternative)	Foshan Shunde Huakun Electric Co Ltd	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E305878 Test with appliance
(Alternative)	Anhui Xinke New Materials Stock Co Ltd Cable & Wires Branch Co	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E220455 Test with appliance
(Alternative)	Jiangyin Jiangzhou Copper Product Co Ltd	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E341212 Test with appliance
(Alternative)	Guangdong Yong Roi Cable Technology Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E204893 Tested with appliance
(Alternative)	Wuxi Huahao Electric Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E231903 Tested with appliance
(Alternative)	Yueqing Guoxin Electric Wire Factory	UL1007	AWG16-32#; 300VAC; 80°C;	EN 60335-2-40 EN 60335-1	UL E247528 Test with appliance
(Alternative)	Changzhou Hongchang Electronics Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E212395 Test with appliance
(Alternative)	Huasheng Eletrical Industrial Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E230918 Test with appliance
(Alternative)	Guangdong Province Guangzhou Panyu Cable Works Co Ltd Panyu Cable Factory	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E216775 Test with appliance
(Alternative)	Guangdong Xinya Electronics Technology Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E170689 Test with appliance

(Alternative)	Zhongshan City Shenbao Electric Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E199818 Test with appliance
(Alternative)	Foshan Shunde Baosheng Electronics Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E257286 Test with appliance
(Alternative)	Lichang Connector Industry Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E228858 Test with appliance
(Alternative)	Huizhou Ltk Electronic Cable Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E148000 Test with appliance
(Alternative)	Heshan City Tehsing Huanchiu Electric Cable Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E229340 Test with appliance
(Alternative)	Guangdong Linoya Electronic Technology Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E315619 Test with appliance
(Alternative)	Guangzhou Kaiheng Enterprise Group	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E248582 Test with appliance
(Alternative)	Shenzhen Qifurui Electronics Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E211048 Test with appliance
(Alternative)	Foshan Zhuo Sheng Green Wire Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E251755 Test with appliance
(Alternative)	LS Cable (Wuxi) Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E52853 Test with appliance
(Alternative)	Guangzhou Zhongte Electrical Material Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E307902 Test with appliance
(Alternative)	Chau's Electrical Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E114082 Test with appliance
(Alternative)	Wuhu Shuncheng Electronics Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E314693 Test with appliance
(Alternative)	Foshan Shunde Yonggaolian Wire & Cable Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E314925 Test with appliance
(Alternative)	Zhongshan Dongfeng Zhoushishenlong Electronic Wire Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E257280 Test with appliance
(Alternative)	Dongguan Jinlong Electronics Co., Ltd.	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E333717 Test with appliance
(Alternative)	Jiangmen Huayuan Enterprise Co Ltd	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E341507 Test with appliance

(Alternative)	Foshan Shunde Zhanliang Industrialist	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	UL E330864 Test with appliance
(Alternative)	Various	UL1007	AWG16-32#; 300VAC; 80°C	EN 60335-2-40 EN 60335-1	CB approved
(Alternative)	Yong Hao Electrical Industry Co Ltd	UL1015	AWG12-22#; 600VAC; 105°C	EN 60335-2-40 EN 60335-1	UL E240426 Test with appliance
(Alternative)	Yong Hao Electrical Industry Co Ltd	UL1007	AWG16-32#; 300VAC; 80°C;	EN 60335-2-40 EN 60335-1	UL E240426 Test with appliance
(Alternative)	Guangdong Linoya Electronic Technology Co., Ltd.	UL1430	300VAC; 105°C; AWG16-30;	EN 60335-2-40 EN 60335-1	UL E315619 (Test with appliance)
(Alternative)	Various	UL1430	300VAC; 105°C; AWG16-30;	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	3A PVC Wire & Cable Co., Ltd	UL3286	300VAC; 105°C; AWG16-30;	EN 60335-2-40 EN 60335-1	UL E209277 (Test with appliance)
(Alternative)	Various	UL3286	300VAC; 105°C; AWG16-30;	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Shenzhen Mysun Insulation Materials Co Ltd	UL3122	300VAC; 105°C; AWG14;	EN 60335-2-40 EN 60335-1	UL E239689 (Test with appliance)
(Alternative)	Various	UL3122	300VAC; 105°C; AWG14;	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Shenzhen Mysun Insulation Materials Co Ltd	UL3071	AWG14; 105°C;	EN 60335-2-40 EN 60335-1	UL E239689 (Test with appliance)
PVC tube	Dae Chang Eleccom Co., Ltd	DC-6	600VAC; 105°C;	EN 60335-2-40 EN 60335-1	UL E120268 (Test with appliance)
(Alternative)	Zhejiang Zhongtian Electrical Jacket Co Ltd	ZT300	105°C; 300V; vw-1;	EN 60335-2-40 EN 60335-1	UL E317046 (Test with appliance)
(Alternative)	Foshan Shunde Kaidaxin Plastic Industry Co Ltd	KDS01	600VAC; 105°C;	EN 60335-2-40 EN 60335-1	UL E314911 (Test with appliance)
(Alternative)	Guangzhou Kaiheng Enterprise Group	S-2	600V; 105°C;	EN 60335-2-40 EN 60335-1	UL E214175 (Test with appliance)
(Alternative)	Guangzhou Pu Sheng Electronics Insulating Material Co., Ltd.	GX-600	600VAC; 105°C;	EN 60335-2-40 EN 60335-1	UL E248681 (Test with appliance)
(Alternative)	Heng Hui Chang Insulation Material Co Ltd	HHC-01 (GX-600V)	600VAC; 105°C;	EN 60335-2-40 EN 60335-1	UL E327311 (Test with appliance)
(Alternative)	Lianda Co., Ltd	LHX-01	600VAC; 105°C;	EN 60335-2-40 EN 60335-1	UL E218446 (Test with appliance)
(Alternative)	Nissei Eco Co Ltd	NH-3 (NIS-S-SE1)	600VAC; 105°C;	EN 60335-2-40 EN 60335-1	UL E199505 (Test with appliance)

(Alternative)	Shenzhen Woer Heat-Shrinkable Material Co Ltd	RSFR-H or SBRS	600VAC; 125°C;	EN 60335-2-40 EN 60335-1	UL E203950 (Test with appliance)
(Alternative)	Suzhou Fuchen Electric Material Co Ltd	FC-600	105°C; 600VAC;	EN 60335-2-40 EN 60335-1	UL E304705 (Test with appliance)
(Alternative)	Wenzhou Hongxin Plastic Co Ltd	HXT-600 (GX-600)	105°C; 600V; vw-1;	EN 60335-2-40 EN 60335-1	UL E305314 (Test with appliance)
(Alternative)	Zhangjiagang City Yilida Electronics Co Ltd	CSGV-600	600VAC, 105°C,	EN 60335-2-40 EN 60335-1	UL E301348 (Test with appliance)
(Alternative)	Zhejiang Zhongtian Electrical Jacket Co Ltd	ZT600	105°C; 600V; vw-1;	EN 60335-2-40 EN 60335-1	UL E317046 (Test with appliance)
(Alternative)	Changzhou Shi Yu Wang Plastic Co., Ltd	WS3-14	600VAC; 105°C;	EN 60335-2-40 EN 60335-1	UL E238569 (Test with appliance)
(Alternative)	Wuhu Donghe Electron Co L Td	PVC-DHB	105°C; 600VAC;	EN 60335-2-40 EN 60335-1	UL E352940 (Test with appliance)
(Alternative)	Kunshan Shengda Plastic Products Co Ltd	SDT-105	105°C; 600VAC;	EN 60335-2-40 EN 60335-1	UL E340362 (Test with appliance)
(Alternative) only for fan motor	Lianda Co.Ltd.	HB	750VAC; 105°C; VW-1	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative) only for fan motor	Lianda Co., Ltd.	SH	750VAC; 105°C; VW-1	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative) only for fan motor	Kai Da Xin	Φ6, Φ8, Φ10, Φ12	750VAC; 105°C; VW-1	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Dongguan Quanxin Plastic Co Ltd	VW-1	105°C; 600VAC;	EN 60335-2-40 EN 60335-1	UL E361235 (Test with appliance)
(Alternative)	YI LI DA	Φ4，Φ6,Φ8,Φ14,Φ10,Φ12	105°C 600V	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Wen Shi Da	VAST-600	105°C 600V	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Dongguan City Zhengfeng Wire & Cable Co Ltd	ZF-600	105°C; 600VAC;	EN 60335-2-40 EN 60335-1	UL E342662 (Test with appliance)
(Alternative)	Li Xin Dian Qi	CSGV or GSGV	105°C; 600VAC;	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
(Alternative)	Various	Various	105°C; 600VAC	EN 60335-2-40 EN 60335-1	UL(Test with appliance)
PCB board	Baoyuejia Electronics (Zhongshan) Co., Ltd	BYJ-3	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E230225 (Test with appliance)

(Alternative)	Chang Chun Plastics Co.,Ltd.	CCP-508SW/ CCP-508/CCP-3400	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E108591 (Test with appliance)
(Alternative)	Changzhou Haihong Electronics Co.,Ltd.	HDCEM1	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E166702 (Test with appliance)
(Alternative)	Shengyi Technology Co Ltd	S3110/S1141/ S3116/S1600	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E109769 (Test with appliance)
(Alternative)	Guangzhou Panyu Cali-Tech Electronics Co Ltd	CT-101&CT-101A	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E216635 (Test with appliance)
(Alternative)	Ht Circuits Ltd	1294V0	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E56334 (Test with appliance)
(Alternative)	Huizhou Xingzhiguang Technology Co., Ltd	XZG-P1	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E246887 (Test with appliance)
(Alternative)	International Laminate Material Ltd.	ILM-R1##	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E134893 (Test with appliance)
(Alternative)	Kingboard Laminates Holdings Ltd.	KB-6150/KB-6160/KB-5150/KB-6150C/KB-6160C /KB-6164F	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E123995 (Test with appliance)
(Alternative)	Shenzhen Wuzhu Tech Co Ltd	KB-6150/KB-6160/KB-5150/KB-6150C/KB-6160C	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E170968 (Test with appliance)
(Alternative)	Shanghai Nanya Copper Clad Laminates Co., Ltd.	SN-L4 or FR-4-86PY or FR-4-11PY or NP-140TL	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E213990 (Test with appliance)
(Alternative)	Shunde Junda Electronic Co.,Ltd	JD-D1orJD-D or JD-E	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E173873 (Test with appliance)
(Alternative)	Guang Dong Xing Da Hong Ye Electronic Co Ltd	XD-102	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E193079 (Test with appliance)
(Alternative)	Zhuhai Jointek Electric Co., Ltd.	JK-004	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E214852 (Test with appliance)
(Alternative)	Ronghui Electronics (Huizhou) Co.,Ltd	RH-3	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E252098 (Test with appliance)
(Alternative)	Victory Giant Technology (Huizhou) Co., Ltd	SH1&SH6	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E346395 (Test with appliance)

(Alternative)	Hangzhou Baolin Printed Circuit Co., Ltd.	BL2 or BL1	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E207143 (Test with appliance)
(Alternative)	Express Electronics Co., Ltd.	EP or 10V0	94V-0; thickness: 1,6mm/2.0mm;	EN 60335-2-40 EN 60335-1	UL E157925 (Test with appliance)
(Alternative)	Changzhou Aohong Electronics Co., Ltd	AOH-2	94V-0; thickness: 1,6mm/2.0mm;	EN 60335-2-40 EN 60335-1	UL E303981 (Test with appliance)
(Alternative)	International Laminate Material Ltd	GF111T6/GF112T6, GF21/22	94V-0; thickness: 1,6mm/2.0mm;	EN 60335-2-40 EN 60335-1	UL E134893 (Test with appliance)
(Alternative)	Guangdong Chengde Electronic Technology Co Ltd	D-12	94V-0; thickness: 1,6mm/2.0mm;	EN 60335-2-40 EN 60335-1	UL E346273 (Test with appliance)
(Alternative)	Guangzhou Panyu Cali-Tech Electronics Co., Ltd	CT-101A	94V-0; Thickness: 1,6mm	EN 60335-2-40 EN 60335-1	UL E216635 (Test with appliance)
Optcoupler	Avago Technologies	M453	IF:20 mA; IFM:1A; VR: 5V; Vo:20V; High speed: 1 Mb/s; Io:8mA; CTR:20%-50%	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	A4504	IF:20 mA; IFM:1A; VR: 5V; Vo:20V; Io:8mA; CTR:25%--60%	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	A817V	IF:50 mA; VR: 6V; VCEO:70V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	A7840	Gain:7.6--8.4; Input Voltage (accurate and linear),-200---200 mV; Input Voltage (functional) VIN+, VIN: -2V ---2 V; BW:100KHZ; input off set voltage:0.3 mV;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	P480	IF:10mA; IO:25mA Maximum propagation delay tPHL/tPLH = 350 ns; Maximum Pulse Width Distortion (PWD) = 250 ns; Wide Operating VCC Range: 4.5 to 20 Volts	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Avago Technologies	W485	IF:10mA; IO:50mA Maximum propagation delay tPHL/tPLH = 150/120 ns Maximum Pulse Width Distortion (PWD) = 90 ns Wide Operating VCC Range: 4.5 V to 30 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Avago Technologies	W341	IF:25 mA; VR: 6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL851	IF:80 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:100/50mA;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL3022	IF:60 mA; IFM:1A; VR: 6V; VDRM:250/400/600; IT:100mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL 816	IF:60 mA; IFP:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL814	IF: ±60 mA; IFM:1A; VCEO:80V; VECO:6V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Everlight Electronics., Ltd.	EL354N	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:6V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3022	IF;50mA; VR:6V; VDRM:400V; VTSM:1A; Viso:5000Vrms; IFT MAX:10mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 C	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	MOC3021	IF:50 mA; VR: 6V; VDRM:400V; VTSM:1A; Viso：5000Vrms;IFT MAX 15mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Lite-On Electronics, Inc.	155E	IF:25 mA; IFM:1A; VR: 5V;	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Renesas Electronics Corporation	PS2505	IF:80 mA; IFP:1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Renesas Electronics Corporation	R705A	IF: ±50 mA; IFM: ±0.5A; VCEO:70V; VECO:5V; IC:30mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC817	IF:50 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Sharp Corp Electronic Components Group	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P109	IF:20 mA; IFP:40mA; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P112A	IF:20 mA; IFP:40mA; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P181	IF:50 mA; IFP:1A; VR: 5V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P155E	IF:20 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P620	IF:50/60 mA; IFP:1A; VR: 6V; VCEO:55V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P521	IF:50/70 mA; IFP:1A; VR: 5V; VCEO:55V; VECO:7V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P741	IF:60 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P715	IF:20mA; VR:5V; IFPT:1A; VCC:20V; BVs:5000Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	P781 or P785	IF:60 mA; IFP:1A; VR: 5V/6V; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP3526	IF:50 mA; IFP:1A; VR: 5V; VDRM600V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP351	IF:20 mA; IFP:1A; VR: 5V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP521	Ic:50mA; Vceo:55V; BVs:2500Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Toshiba Semiconductor Company	TLP184	IF: ±50 mA; IFP: ±1A; VCEO:80V; VECO:7V; IC:50mA	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Toshiba Semiconductor Company	TLP5772	IF:8mA; IFPT:1A; VCC:35V; Vo:35V; Iopk:±2.5A;BVs:5000Vrms	EN 60335-2-40 EN 60335-1	Tested with appliance
Surge absorber	Centra Science Corp.	2RM3600	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Nanakubo Seimitsu Kogoy Inc.	MP362ME	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	EPCOS AG	EM3600X6S	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Acpa Technology Co., Ltd.	ACPA2R3600	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Shenzhen Chenju Electronic Technology Co., Ltd	ACPA2R3600	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Okaya Electric America	RA-362MS-V7(RA)	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Mitsubishi Electric	RA-362MS-V7(BP)	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Brightking (Shenzhen) Co. Ltd, China	2RK3600-5	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	EPCOS AG	EM3600X6ST7-TBD	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Acpa Technology Co., Ltd.	ACPA2R3600	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Okaya Electric America	RA-362MS-V7(RA)	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Tyco Electronics (Shenzhen) Co., Ltd.	GRA-362-D7(N)	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	EPCOS AG	GRA-362-D7(N)	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Acpa Technology Co., Ltd.	ACPA2R3600	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Shenzhen Chenju Electronic Technology Co., Ltd	ACPA2R3600	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Mitsubishi Electric	DA38-362M	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Brightking (Shenzhen) Co. Ltd, China	2RK3600-5	3600 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	EPCOS AG	EM3000X6ST7	3000 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Acpa Technology Co., Ltd.	2RM3000A6C3R15	3000 V	EN 60335-2-40 EN 60335-1	Tested with appliance
(Alternative)	Okaya Electric America	RA-302MX-V7-Y	3000 V	EN 60335-2-40 EN 60335-1	Tested with appliance

(Alternative)	Brightking (Shenzhen) Co. Ltd, China	2RK3000-5	3000 V	EN 60335-2-40 EN 60335-1	Tested with appliance
Supplementary information: 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.					

28.1	**TABLE: Threaded part torque test**		P
Threaded part identification	Diameter of thread (mm)	Column number (I, II, or III)	Applied torque (Nm)
Earthed screw	3,9	II	1,2
Supplementary information: —			

29.1	**TABLE: Clearances**					P
	Overvoltage category .....:		II			—
		Type of insulation:				
Rated impulse voltage (V):	Min. cl (mm)	Basic (mm)	Supplementary (mm)	Reinforced (mm)	Functional (mm)	Verdict / Remark
330	0,2* / 0,5 / 0,8**	—	—	—	—	N/A
500	0,2* / 0,5 / 0,8**	—	—	—	—	N/A
800	0,2* / 0,5 / 0,8**	—	—	—	—	N/A
1 500	0,5 / 0,8** / 1,0***	—	—	—	—	N/A
2 500	1,5 / 2,0***	**B1, B2**	**S1**	—	**F1**	P
4 000	3,0 / 3,5***	—	—	**R1**	—	P
6 000	5,5 / 6,0***	—	—	—	—	N/A
8 000	8,0 / 8,5***	—	—	—	—	N/A
10 000	11,0 / 11,5***	—	—	—	—	N/A

Supplementary information:

*) For tracks on printed circuit boards if pollution degree 1 and 2
**) For pollution degree 3
***) If the construction is affected by wear, distortion, movement of the parts or during assembly

B1: B/W live parts and earthed metal: 4,1 mm;
B2: B/W motor winding and iron core: 2,8
S1: B/W internal wire and accessible surfaces: 6,8 mm;
R1: B/W live part and accessible surfaces: 10,5 mm;
F1: B/W L and N on main PCB: 4,6 mm

29.2	TABLE: Creepage distances, basic, supplementary and reinforced insulation										P
Working voltage (V)	Creepage distance (mm) Pollution degree										
	1	2			3			Type of insulation			Verdict
		Material group			Material group						
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*	B**	S**	R**	
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9		—	—	N/A
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9	—		—	N/A
≤50	0,36	1,2	1,7	2,4	3,0	3,4	3,8	—	—		N/A
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4		—	—	N/A
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4	—		—	N/A
125	0,56	1,5	2,1	3,0	3,8	4,2	4,8	—	—		N/A
250	0,56	1,25	1,8	**2,5**	3,2	3,6	4,0	**B1**	—	—	P
250	0,56	1,25	1,8	**2,5**	3,2	3,6	4,0	—	**S1**	—	P
250	1,12	2,5	3,6	**5,0**	6,4	7,2	8,0	—	—	**R1**	P
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3		—	—	N/A
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3	—		—	N/A
400	2,0	4,0	5,6	8,0	10,0	11,2	12,6	—	—		N/A
500	1,3	2,5	3,6	5,0	6,3	7,1	8,0		—	—	N/A
500	1,3	2,5	3,6	5,0	6,3	7,1	8,0	—		—	N/A
500	2,6	5,0	7,2	10,0	12,6	14,2	16,0	—	—		N/A

Supplementary information:

*) Material group IIIb is allowed if the working voltage does not exceed 50 V
**) B = Basic insulation, S = Supplementary insulation, R = Reinforced insulation

B1: B/W live parts and earthed metal: 4,0 mm;
S1: B/W internal wire and accessible surfaces: 6,8 mm;
R1: B/W live part and accessible surfaces: 10,5 mm;

29.2	TABLE: Creepage distances, functional insulation	P

Working voltage (V)	Creepage distance (mm) Pollution degree							Verdict / Remark
	1	2			3			
		Material group			Material group			
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*	
≤10	0,08	0,4	0,4	0,4	1,0	1,0	1,0	N/A
50	0,16	0,56	0,8	1,1	1,4	1,6	1,8	N/A
125	0,25	0,71	1,0	1,4	1,8	2,0	2,2	N/A
250	0,42	1,0	1,4	**2,0**	2,5	2,8	3,2	P
400	0,75	1,6	2,2	3,2	4,0	4,5	5,0	N/A
500	1,0	2,0	2,8	4,0	5,0	5,6	6,3	N/A
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	N/A

Supplementary information:

*) Material group IIIb is allowed if the working voltage does not exceed 50 V

F1: B/W L and N on main PCB: 4,6 mm

TABLE 30	RENSISTANCE TO HEAT, FIRE AND TRACKING (appended table)															P
Component	Manufacturer	Type	Ball pressure test				Tracking test [CTI/ PTI]	Glow wire test							Needle-flame test	Verdict
			75°C	cl. 11 +40°C	125°C	cl. 19 +25°C		GWT550°C	GWT650°C		GWT750°C		GWFI 850°C	GWIT		
									te	ti	te	ti				
Plastic enclosure	--	--	X	--	--	--	175V	X	--	--	--	--	--	--	--	P
All terminal blocks	--	--	--	--	X	--	175V	--	--	--	0 s	0 s	X	--	--	P
All relays	--	--	--	--	--	--	--	--	--	--	0 s	0 s	X	--	--	P
All bobbin of fan motor	--	--	--	--	X	--	175V	--	--	--	0 s	0 s	X	--	--	P
Step motor bobbin	--	--	--	--	X	--	175V	--	0 s	0 s	--	--	--	--	--	P
All bobbin of transformers	--	--	--	--	X	--	175V	--	--	--	0 s	0 s	X	--	--	P
Wire connector	--	--	--	--	X	--	--	--	--	--	0 s	0 s	X	--	--	P
X2 capacitors	--	--	--	--	--	--	--	--	--	--	0 s	0 s	X	--	--	P
4-way valve	--	--	--	--	--	--	--	--	--	--	0 s	0 s	X	--	--	P
PCB	--	--	--	--	--	--	175V	--	--	--	--	--	--	--	X	P

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TABLE 30	**RENSISTANCE TO HEAT, FIRE AND TRACKING (appended table)**														P
Component	Manufacturer	Type	Ball pressure test				Tracking test [CTI/ PTI]	Glow wire test						Needle-flame test	Verdict
			75°C	cl. 11 +40°C	125°C	cl. 19 +25°C		GWT550°C	GWT650°C		GWT750°C		GWFI 850°C	GWIT	
									te	ti	te	ti			
[1] Flame persisting longer than 2 s [2] Surrounding parts are subjected to the needle-flame test of annex E [3] These parts subjected to the needle-flame test of annex E [4] Adjacent parts subjected to the needle-flame test of annex E [5] Parts of material classified as V-0 or V-1 [6] Base material classified as V-0 supplementary information:															

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Appendix EMF		P
	TEST: Evaluation of the magnetic fields	—
Applied standards:	IEC 62233:2005, EN 62233:2008 (incl. Corr.1:2008)	—
Method	Used method: 5.5.2 Time domain evaluation	—
Applied Limit	ICNIRP Guidelines	—

Identification of the appliance	Type of apparatus	See gengral product information
	Rated Voltage	220 V - 240 V ~
	Rated Frequency	50 Hz
Parameters required prior to the test	Laboratory Ambient Temperature	25 °C ± 10 °C
	Supply Voltage	(Rated Voltage ± 2 %) V
	Supply Frequency	(Rated Frequency ± 2 %) Hz
Parameters recorded during the test	Laboratory Ambient Temperature	23,0 °C
	Supply Voltage	240 V
	Supply Frequency	50 Hz
Operating Mode	Heating mode: highest temperature setting; Cooling mode: lowest temperature setting	

Method 5.5.2

Measuring Positions	Measuring Distance	Coupling Factor	Measurement Uncertainty
Around	30 cm	0,16	—

Frequency (kHz)	Limit (%)	Measured Maximum Value (%)
0,01 to 400	100	12,1

Supplementary information:

The measured maximum value in this table may be weighted with the coupling factor if applicable, and the measurement uncertainty is applied if the measured result is more than 75 % of the limit.

— End of report —

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60335-2-40
EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES
Part-2-40: Particular requirements for electrical heat pumps, air conditioners and dehumidifiers

Differences according to :	EN 60335-2-40:2003 (incl. Corr.:2006) + A11:2004 + A12:2005 + A1:2006 + A2:2009 + A13:2012 EN 60335-1:2012 EN 60223: 2008
Attachment Form No. :	EU_GD_IEC60335_2_40G
Attachment Originator :	VDE
Master Attachment :	2013-05

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	CENELEC COMMON MODIFICATIONS		
6.1	Delete “class 0” and “class 01”		P
7.1	Single-phase appliances to be connected to the supply mains: 230 V covered		P
	Multi-phase appliances to be connected to the supply mains: 400 V covered		N/A
7.10	Devices used to start/stop operational functions of the appliance distinguished from other manual devices by means of shape, size, surface texture, position, etc.		N/A
	An indication that the device has been operated is given by:		—
	- a tactile feedback, or		N/A
	- an audible and visual feedback		N/A
7.12	The instructions include the substance of the following:		—
	- this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved		P
	- children shall not play with the appliance		P
	- cleaning and user maintenance shall not be made by children without supervision		P

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
7.12.1	Installation instructions for appliances intended to be permanently connected to fixed wiring, and have leakage current exceed 10 mA, state that installation of residual current device (RCD) having rated residual operating current not exceeding 30 mA is advisable (EN 60335-2-40)		P
	For appliances not accessible to the general public and which are intended to be permanently connected to fixed wiring and which may have leakage currents exceeding 10 mA, the installation instructions shall specify the rating of the residual current device (RCD) to be installed (EN 60335-2-40/A12)		N/A
7.12.Z1	The specific instructions related to the safe operation of this appliance is collated together in the front section of the user instructions		P
	The height of the characters, measured on the capital letters, is at least 3 mm		P
	These instructions are also available in an alternative format, e.g. on a website		P
8.1.1	Also test probe 18 of EN 61032 is applied		P
	The appliance being in every possible position during the test		P
	The force on the probe in the straight position is increased to 10 N when probe 18 is used		P
	When using test probe 18 the appliance is fully assembled as in normal use without any parts removed, and		P
	parts intended to be removed for user maintenance are also not removed		P
8.2	Compliance is checked by applying the test probes of EN 61032		P
	For built-in appliances and fixed appliances, the test probe B and probe 18 of EN 61032 are applied only after installation		P
11.8	Footnotes to “External enclosure of motor-operated appliances” to be taken into account		P
13.2	Leakage current measurements (EN 60335-2-40)	(See appended table)	P

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
15.1.2	Appliances with an automatic cord reel tested with the cord in the most unfavourable position so that the reeling of the wet cord may affect electrical insulation during operation, the cord not being dried before reeling		N/A
15.2	Drain pan filled to brim and subjected to continuous overflow and fan(s) switched on (EN 60335-2-40)		P
16.2	Leakage current measurements (EN 60335-2-40)	(See appended table)	P
20.2	When using the test probe similar to test probe B with a circular stop face, the accessories and detachable covers are removed		P
	Test probe 18 applied with a force of 2,5 N on the appliance fully assembled		P
24.1	Components comply with the safety requirements specified in the relevant standards as far as they reasonably apply		P
	The requirements of clause 29 of this standard apply between live parts of components and accessible parts of the appliance.		P
	The requirements of 30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections inside components		P
	Components that have not been previously tested or do not comply with the standard for the relevant component are tested according to the requirements of 30.2		P
	Components that have been previously tested and shown to comply with the resistance to fire requirements in the standard for the relevant component need not be retested provided that:		—
	- the severity specified in the component standard is not less than the severity specified in 30.2, and		P
	- the test report for the component states whether it complied with the standard for the relevant component with or without flame, flames not exceeding 2 s during the test are ignored		P
	Unless components have been previously tested and found to comply with the relevant standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		P

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	For components mentioned in 24.1.1 to 24.1.9, no additional tests specified in the relevant standard for the component are necessary other than those specified in 24.1.1 to 24.1.9		P
	Components that have not been separately tested and found to comply with the relevant standard, and		N/A
	components that are not marked or not used in accordance with their marking,		N/A
	are tested in accordance with the conditions occurring in the appliance, the number of samples being that required by the relevant standard		N/A
	Lamp holders and starter holders that have not been previously tested and found to comply with the relevant standard are tested as a part of the appliance and additionally comply with the gauging and interchangeability requirements of the relevant standard under the conditions occurring in the appliance		N/A
	Where the relevant standard specifies these gauging and interchangeability requirements at elevated temperatures, the temperatures measured during the tests of clause 11 are used		N/A
	Plugs and socket-outlets and other connecting devices of interconnection cords are not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1, or		N/A
	with connectors and appliance inlets complying with the standard sheets of IEC 60320-1,		N/A
	if direct supply to these parts from the supply mains gives rise to a hazard		N/A
24.1.7	If the remote operation of the appliance is via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is EN 41003		N/A
	Compliance with clause 8 of this standard is not impaired by connecting the appliance to a device covered by EN 41003		N/A
24.Z1	For motor running capacitors (IEC 60252-1 type P2) with a metallic enclosure having an overpressure fuse the flame testing of internal plastic parts supporting current carrying connections as required in 30.2.2 and 30.2.3.1 is not necessary		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
25.6	Supply cords of single-phase portable appliances having a rated current not exceeding 16 A, fitted with a plug complying with the following standard sheets of IEC/TR 60083:		—
	- for class I appliances: standard sheet C2b, C3b or C4 .....:		N/A
	- for class II appliances: standard sheet C5 or C6 .....:		N/A
25.7	Rubber sheathed cords (60245 IEC 53) are not suitable for appliances intended to be used outdoors or when they are liable to be exposed to significant amount of ultraviolet radiation		N/A
	Halogen-free thermoplastic compound sheathed supply cords have properties at least those of:		—
	- halogen-free thermoplastic compound sheathed cords (H03Z1Z1H2-F or H03Z1Z1-F), for appliances having a mass not exceeding 3 kg		N/A
	- halogen-free thermoplastic compound sheathed cords (H05Z1Z1H2-F or H05Z1Z1-F), for other appliances		N/A
	Cross-linked halogen-free compound sheathed supply cords have properties at least those of cross-linked halogen-free compound sheathed cords (H07ZZ-F)		N/A
26.11	Conductors connected by soldering are not considered to be positioned or fixed so that reliance is not placed upon the soldering alone to maintain them in position unless they are held in place near the terminals independently of the solder		P
29.3.Z1	Appliance constructed so that if there is a possibility of damaging the insulation during installation, the insulation withstands the scratch and penetration test of 21.2		N/A
32	Compliance regarding electromagnetic fields is checked according to EN 62233		P
GG.2	Requirements for charge limits in unventilated areas (EN 60335-2-40/A1)		N/A
GG.Z1	Non fixed factory sealed single package units with a charge amount of $m_1 < M \leq 2 \times m_1$ (EN 60335-2-40/A1)		N/A
Annex I, 19.I.101	The appliance is supplied at rated voltage and operated under normal operation with each of the fault conditions specified		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	The duration of the test is as specified in 19.7		N/A
ZA	**ANNEX ZA** (NORMATIVE) **SPECIAL NATIONAL CONDITIONS**		—
	Norway		—
19.5	The test is also applicable to appliances intended to be permanently connected to fixed wiring		N/A
	Norway		—
22.2	The second paragraph of this subclause, dealing with single-phase, permanently connected class I appliances having heating elements, is not applicable due to the supply system		N/A
	All CENELEC countries		—
25.6 and 25.25	Information concerning National plug and socket-outlets is available from the CENELEC website. Normative national requirements concerning plug and socket-outlets are shown in the relevant National standard		P
	Ireland and United Kingdom		—
25.8	In the table, the lines for 10 A and 16 A are replaced by:		N/A
	> 10 and ≤ 13 1,25		N/A
	> 13 and ≤ 16 1,5		N/A
ZB	**ANNEX ZB** (INFORMATIVE) **A-DEVIATIONS**		—
	Ireland		—
25.6	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs complying with I.S. 401:1997, or equivalent, to be fitted to domestic appliances		N/A
	United Kingdom		—

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
25.6	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs to BS 1363 to be fitted to domestic appliances. It also allows plugs to BS 4573 and EN 50075 to be fitted to shavers and toothbrushes		N/A
ZC	**ANNEX ZC** (NORMATIVE) **NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS**		—
	A list of referenced documents in this standard		N/A
ZD	**ANNEX ZD** (INFORMATIVE) **IEC and CENELEC CODE DESIGNATIONS FOR FLEXIBLE CORDS**		—
	A table with IEC and CENELEC code designations for flexible cords		P
ZE	**ANNEX ZE** (INFORMATIVE) **SPECIFIC ADDITIONAL REQUIREMENTS FOR APPLIANCES AND MACHINES INTENDED FOR COMMERCIAL USE**		—
7.1	Business name and full address of the manufacturer and, where applicable, his authorized representative.....:		N/A
	Model or type reference .....:		N/A
	Serial number, if any .....:		N/A
	Production year		N/A
	Designation of the appliance.....:		N/A
7.12	Instructions provided with the appliance so that the appliance can be used safely		N/A
	The instructions contain at least the following information:		—
	- the business name and full address of the manufacturer and, where applicable, his authorized representative		N/A
	- model or type reference of the appliance as marked on the appliance itself, except for the serial number		N/A
	- the designation of the appliance together with its explanation in case it is given by a combination of letters and/or numbers		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	- the general description of the appliance, when needed due to the complexity of the appliance		N/A
	- specific precautions if required during installation, operation, adjusting, user maintenance, cleaning, repairing or moving		N/A
	- when needed drawings, diagrams, descriptions and explanations necessary for the safe use and user maintenance of the appliance		N/A
	- the possible reasonably foreseeable misuse and, whenever relevant, a warning against the effects it may have on the safe use of the appliance		N/A
	The words “Original instructions” appear on the language version(s) verified by the manufacturer or by the authorized representative		N/A
	When a translation of the original instructions has been provided by a person introducing the appliance on the market; the meaning of the sentence “Translation of the original instructions” appear in the relevant instructions delivered with the appliance		N/A
	The instructions for maintenance/service to be done by specialized personnel, mandated by the manufacturer or the authorized representative may be supplied in only one Community language which the specialized personnel understand		N/A
	The instructions indicate the type and frequency of inspections and maintenance required for safe operation including the preventive maintenance measures		N/A
	“This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons”. (EN 60335-2-40/A13)		N/A
7.12.Z1	Replace in the sixth dashed item: - the words “the relevant Part 2” by “Annex ZAB” (EN 60335-2-40/A13)		N/A
	Replace the first sub dashed item by: - the A-weighted emission sound pressure level at workstations, where this exceeds 70 dB(A). If the A-weighted sound pressure level is below 70 dB, no value needs to be given, but the instructions shall state that the A-weighted sound pressure level is below 70 dB. (EN 60335-2-40/A13)		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
7.12.ZE1	If needed for specific appliances, the following information to be given:		—
	- on use, transportation, assembly, dismantling when out of service, testing or foreseeable breakdowns, if these operations have consequences on stability of the appliance in order to avoid overturning, falling or uncontrolled movements of the appliance or of its component parts		N/A
	- on how to maintain adequate mechanical stability when in use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance		N/A
	- on the protective measures to be taken by the user, including, where appropriate, the personal protective equipment to be provided		N/A
	- on the operating method to be followed in the event of accident or breakdown; if a blockage is likely to occur the operating method to safely unblock the appliance		N/A
	- on the specifications on the spare parts to be used, when these affect the health and safety of the operator		N/A
	- on airborne noise emissions, determined and declared in accordance with the relevant Part 2, which includes:		—
	- the A-weighted emission sound pressure level at workstations, where this exceeds 70 dB(A) .....;		N/A
	- where this level does not exceed 70 dB(A), this fact is indicated		N/A
	- the peak C-weighted instantaneous sound pressure value at workstations, where this exceeds 63 Pa (130 dB in relation to 20 µPa) :		N/A
	- the A-weighted sound power level emitted by the machinery, where the A-weighted emission sound pressure level at workstations exceeds 80 dB(A) .....:		N/A
7.12.ZE2	The instructions includes a warning to disconnect the appliance from its power source during service and when replacing parts		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	If the removal of the plug is foreseen, it is clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed		N/A
	If this is not possible, due to the construction of the appliance or its installation, a disconnection with a locking system in the isolated position is provided		N/A
19.11.4.8	The appliance continues to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage fluctuation occurred, or		N/A
	a manual operation is required to restart it		N/A
20.1	Appliances and their components and fittings have adequate mechanical stability during transportation, assembly, dismantling and any other action involving the appliance		N/A
20.2	Dangerous moving transmission parts safeguarded either by design or guards		N/A
	When guards are used, they are fixed guards, interlocking movable guards or protective devices		N/A
	Moving parts directly involved in the function of the appliance which cannot be made completely inaccessible fitted with:		—
	- fixed guards or interlocking movable guards preventing access to those sections of the parts that are not used in the work, and		N/A
	- adjustable guards restricting access to those sections of the moving parts where access is necessary		N/A
	Interlocking movable guards used where frequent access is required		N/A
21.1	Appliances and their components and fittings have adequate mechanical strength and is constructed to withstand such rough handling that may be expected in normal use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance		N/A
22.ZE.1	For appliances provided with a seat, the seat gives adequate stability		N/A
	The distance between the seat and the control devices capable of being adapted to the operator		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
22.ZE.2	For appliances provided with separate devices for the start and the stop functions, the stop function is unambiguously identifiable and does always override the start function		N/A
	For appliances provided with one device performing the start and the stop function, the stop function is unambiguously identifiable and does always override the start function		N/A
22.ZE.3	Appliances designed in such a way that incorrect mounting is avoided, if this can lead to an unsafe situation		N/A
	If this is not possible, information on the correct mounting is given directly on the part and/or the enclosure		N/A
22.ZE.4	Where the weight, size or shape prevents appliances from being moved manually, they are fitted with attachments for lifting gear, or		N/A
	so designed that they can be fitted with such attachments, or		N/A
	be shaped in such a way that standard lifting gear can easily be used		N/A
	Appliances to be moved manually are constructed or equipped so that they can be moved easily and safely		N/A
22.ZE.5	The fixing systems of fixed guards which prevent access to dangerous moving transmission parts only removable with the use of tools		N/A
	If such guards have to be removed by the user for routine cleaning or maintenance their fixing systems remain attached to the fixed guards or to the machine after removal		N/A
	Where possible, guards are incapable of remaining in place without their fixings		N/A
	This does not apply if, after removal of the screws, or if the component is incorrectly repositioned, the appliance becomes inoperative		N/A
	Movable guards are interlocked		N/A
	The interlocking devices prevent the start of hazardous appliance functions until the guards are fixed in their position, and give a stop command whenever they are no longer closed		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	Where it is possible for an operator to reach the danger zone before the risk due to hazardous appliance functions has ceased, movable guards associated with a guard locking device in addition to an interlocking device that:		—
	- prevents the start of hazardous appliance functions until the guard is closed and locked, and		N/A
	- keeps the guard closed and locked until the risk of injury from the hazardous appliance functions has ceased		N/A
	Interlocking movable guards remain attached to the appliance when open, and		N/A
	they are designed and constructed in such a way that they can be adjusted only by means of an intentional action		N/A
	Replace the tenth paragraph by: The guard is opened at the extent needed to cause the interlocking to operate and is then closed. This operation is carried out for 5 000 cycles at a rate of 5 cycles per min. (EN 60335-2-40/A13)		N/A
22.ZE.6	Interlocking movable guards designed in such a way that the absence or failure of one of their components prevents starting or stops the hazardous appliance functions		N/A
	The guard is opened to the extent needed to cause the interlocking to operate and is then closed, the number of operations being defined in the specific Part 2.....:		N/A
	After this test any defect that may be expected in normal use is applied to the interlock system, including interruption of the supply, only one defect being simulated at a time		N/A
	After these tests the interlock system is fit for further use		N/A
22.ZE.7	Adjustable guards restricting access to areas of the moving parts strictly necessary for the work are:		—
	- adjustable manually or automatically, depending on the type of work involved, and		N/A
	- readily adjustable without the use of tools		N/A
22.ZE.8	In case of interruption, re-establishment after an interruption or fluctuation in whatever manner of the power supply, the appliance does not restart		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	However, automatic restarting of the operation is allowed if the appliance may continue to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage interruption or fluctuation occurred		N/A
22.ZE.9	Appliances fitted with means to isolate them from all energy sources		N/A
	Such isolators are clearly identified, and		N/A
	they are capable of being locked if reconnection endanger persons		N/A
	After the energy source is disconnected, it is possible to dissipate any energy remaining or stored in the circuits of the appliance without risk to persons		N/A
ZF	**ANNEX ZF** (INFORMATIVE) **CRITERIA APPLIED FOR THE ALLOCATION OF PRODUCTS COVERED BY STANDARDS IN THE EN 60335 SERIES UNDER LVD OR MD**		—
	List of standards under CENELEC/TC61 with the allocation under the LVD (Low Voltage Directive) or the MD (Machinery Directive).....:		P
ZG	**ANNEX ZG** (NORMATIVE) **UV APPLIANCES**		—
	The following modifications to this standard apply to appliances having UV emitters		N/A
	This annex is not applicable to appliances covered by the scopes of IEC 60335-2-27, IEC 60335-2-59 or IEC 60335-2-109		N/A
7.12.ZG	The instructions for appliances incorporating UVC emitters include the substance of the following: WARNING — This appliance contains a UV emitter. Do not stare at the light source		N/A
32	For appliances incorporating UV emitters the manufacturer delivers a declaration providing evidence that the plastic material exposed to the radiation is UV resistant		N/A
ZZ	**ANNEX ZZ** (INFORMATIVE) **COVERAGE OF ESSENTIAL REQUIREMENTS OF EC DIRECTIVES**		—

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	Description of the relation between this European standard and the LVD (Low Voltage Directive, 2006/95/EC) and the MD (Machinery Directive, 2006/42/EC)		P
ZAA	**ANNEX ZAA (INFORMATIVE) (EN 60335-2-40/A11) THE RELEVENCE OF THE PRESSURE EQUIPMENT DIRECTIVE**		—
	Refrigerating systems having a pressure greater than 0,05 MPa are considered to be assemblies falling within the scope of the Pressure Equipment Directive, 97/23/EC. However, according to Article 1, item 3.6 of the directive, equipment classified no higher than category I and covered by the low voltage directive is excluded from its scope. (EN 60335-2-40/A11)		P
	According to guideline 1/39 of the directive, this exclusion applies to both components and assemblies (refrigerant circuits). This applies to appliances containing vessels (e.g. compressors, receivers) or piping with limits in accordance with the following (EN 60335-2-40/A11):		P
	Vessels (EN 60335-2-40/A11)		—
	- dangerous refrigerants (Annex II, Table 1) (EN 60335-2-40/A11):		—
	- volume not exceeding 1 l, or (EN 60335-2-40/A11)		N/A
	- pressure x volume not exceeding 5 MPa l (EN 60335-2-40/A11)		N/A
	- non-dangerous refrigerants (Annex II, Table 2) (EN 60335-2-40/A11):		—
	- volume not exceeding 1 l, or (EN 60335-2-40/A11)		N/A
	- pressure x volume not exceeding 20 MPa l (EN 60335-2-40/A11)		N/A
	Piping (EN 60335-2-40/A11)		—
	- dangerous refrigerants (Annex II, Table 6) (EN 60335-2-40/A11):		—
	- numerical designation not exceeding 25, or (EN 60335-2-40/A11)		N/A
	- pressure not exceeding 1 MPa and numerical designation not exceeding 100, or (EN 60335-2-40/A11)		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	- pressure exceeding 1 MPa and pressure x numerical designation not exceeding 100 MPa (EN 60335-2-40/A11).		N/A
	- non-dangerous refrigerants (Annex II, Table 7) (EN 60335-2-40/A11):		—
	- numerical designation not exceeding 100, or (EN 60335-2-40/A11)		P
	- pressure x numerical designation not exceeding 350 MPa (EN 60335-2-40/A11).		P
	For other components, the most onerous limit of the two applies (EN 60335-2-40/A11)		N/A
	The volume is the internal volume of the vessel and includes the volume of pipework up to the first connection. It excludes the volume of fixed internal parts (EN 60335-2-40/A11)		N/A
	The pressure is the maximum pressure the vessel or piping system is exposed to, as specified by the manufacturer of the appliance (EN 60335-2-40/A11)		N/A
	The numerical designation designates the size common to all components in the piping system (EN 60335-2-40/A11)		N/A
	If any component exceeds the limits given above, the appliance has to comply with the directive. The technical requirements are given in Annex I and the conformity assessment tables and procedures in Annexes II and III of the directive (EN 60335-2-40/A11)		N/A
	Commonly used dangerous refrigerants, identified as Group 1 in the directive, are listed in table ZAA.1 (EN 60335-2-40/A11)		N/A
	Commonly used non-dangerous refrigerants, identified as Group 2 in the directive, are listed in table ZAA.2 (EN 60335-2-40/A11)		P

ZAB	**ANNEX ZAA (NORMATIVE) (EN 60335-2-40/A13) EMISSION OF ACOUSTICAL NOISE FROM APPLIANCES COVERED BY ANNEX ZE**		—
ZAB.1	Noise reduction is an integral part of the design process and achieved by particularly applying measures at source to control noise, see for example EN ISO 11688-1. (EN 60335-2-40/A13)		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	Success of the applied noise reduction measures is assessed on the basis of the actual noise emission values in relation to other machines of the same type with comparable non-acoustical technical data. (EN 60335-2-40/A13)		N/A
ZAB.2.1	A-weighted emission sound pressure level determined in accordance with EN 11203:2009, 6.2.3 d) with the surface S being the measurement surface used for the sound power level determination. (EN 60335-2-40/A13)		N/A
	If the sound power level determination is based on a measurement method requiring a reverberant sound field, the surface S to define Q, shall be a parallelepiped measurement surface at a distance of 1 m from the reference box enclosing the source and assuming only one reflecting surface. (EN 60335-2-40/A13)		N/A
ZAB.2.2	A-weighted sound power level determined in accordance with EN 12102 applying a measurement method of at least grade 2. (EN 60335-2-40/A13)		N/A
	If a grade 3 measurement method used for determining the A-weighted sound power level, the. reasons are explicitly mentioned (EN 60335-2-40/A13)		N/A
ZAB.2.3	Total measurement uncertainty is depending on the standard deviation of reproducibility σ_{R0} of the measurement method and the standard deviation σ_{omc} representing the instability of the operating and mounting conditions. (EN 60335-2-40/A13)		N/A
	σ_{R0} has an upper value for a grade 2 measurement method of about 1,5 dB, whereas σ_{omc} may have values between 0,5 dB for small variations of the sound power due on the mounting and operating conditions or 4 dB for very instable sources (EN 60335-2-40/A13)		N/A
	Total measurement uncertainty for the A-weighted emission sound pressure level is of the same order as the one for the respective sound power level measurement. (EN 60335-2-40/A13)		N/A
ZAB.2.4	Information to be recorded covers all the technical requirements of this noise test code. (EN 60335-2-40/A13)		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	Any deviations from this noise test code or from the basic standards upon which it is based are to be recorded together with the technical justification for such deviations. (EN 60335-2-40/A13)		N/A
ZAB.2.5	Information to be given in the test report includes : (EN 60335-2-40/A13)		N/A
	- he data required by the manufacturer for inclusion in the noise declaration,. (EN 60335-2-40/A13)		N/A
	- the data required by the user to verify the declared values. (EN 60335-2-40/A13)		N/A
	Thus the following information shall be included ..: (EN 60335-2-40/A13)		N/A
	- reference to the noise test code and the basic noise emission standards used; (EN 60335-2-40/A13)		N/A
	- description of the installation and operation conditions used; (EN 60335-2-40/A13)		N/A
	- location of the work station(s) and other specified positions; (EN 60335-2-40/A13)		N/A
	- the noise emission values obtained (EN 60335-2-40/A13)		N/A
	Test report states that all requirements of the noise test code have been fulfilled, or, if this is not the case, it shall identify any unfulfilled requirements. (EN 60335-2-40/A13)		N/A
	Deviations from the requirements stated and a technical justification for these deviations shall be given. (EN 60335-2-40/A13)		N/A
ZAB.2.6	Noise emission declaration is made according to EN ISO 4871 (EN 60335-2-40/A13)		N/A
	Emission sound pressure level L_{pA} is made as a dual number noise emission declaration, thus declaring the determined value for L_{pA} and the respective uncertainty K_{pA}. (EN 60335-2-40/A13)		N/A
	Sound power level L_{WA} is declared as single number noise emission declaration declaring the sum of the measured sound power level and its uncertainty K_{WA}. (EN 60335-2-40/A13)		N/A
	Noise declaration states that the noise emission values have been obtained according to this noise test code. (EN 60335-2-40/A13)		N/A

Attachment 1

IEC60335_2_40G - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	Any deviations from this noise test code or from the basic standards upon which it is based are clearly indicated. (EN 60335-2-40/A13)		N/A
	Additional noise emission values are given in the declaration. (EN 60335-2-40/A13)		N/A
	If undertaken, verification of the noise emission values shall be conducted according to EN ISO 4871, using the same mounting and operating conditions as those used for the initial determination. (EN 60335-2-40/A13)		N/A

ANNEX EMF			
	The Tested product also complies to the requirements of EN 62233: 2008		—
	Limit ……100%	Measured max.: 12,1 %	P

---End of Attachment 1---

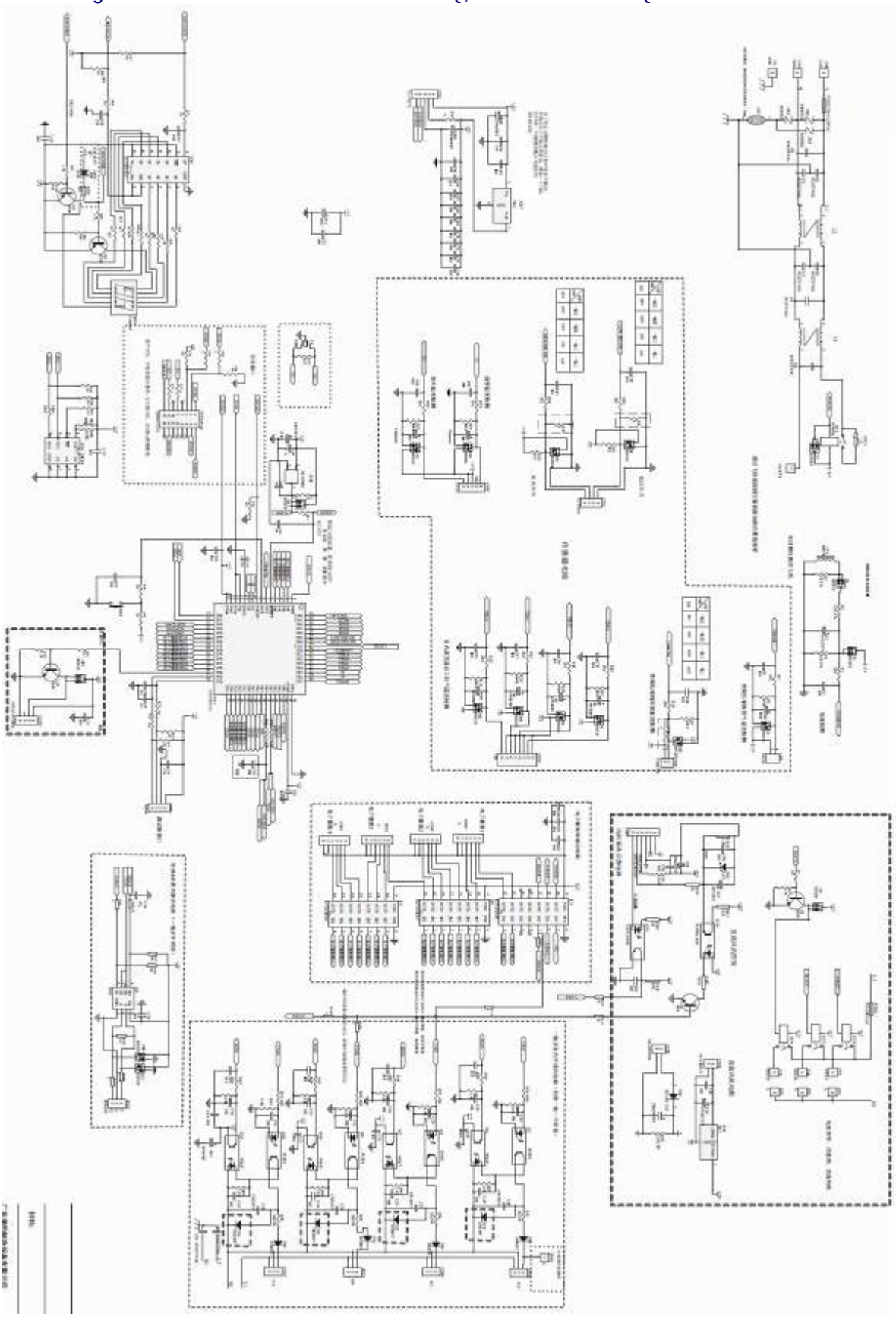
Clause	Requirement - Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60335-1 Household and similar electrical appliances – Safety – Part 1: General requirements	
Differences according to:	EN 60335-1:2012/ A11: 2014
Attachment Form No.:	EN 60335-1/A11
Attachment Originator:	SGS-CSTC
Master Attachment:	Date 2014-09

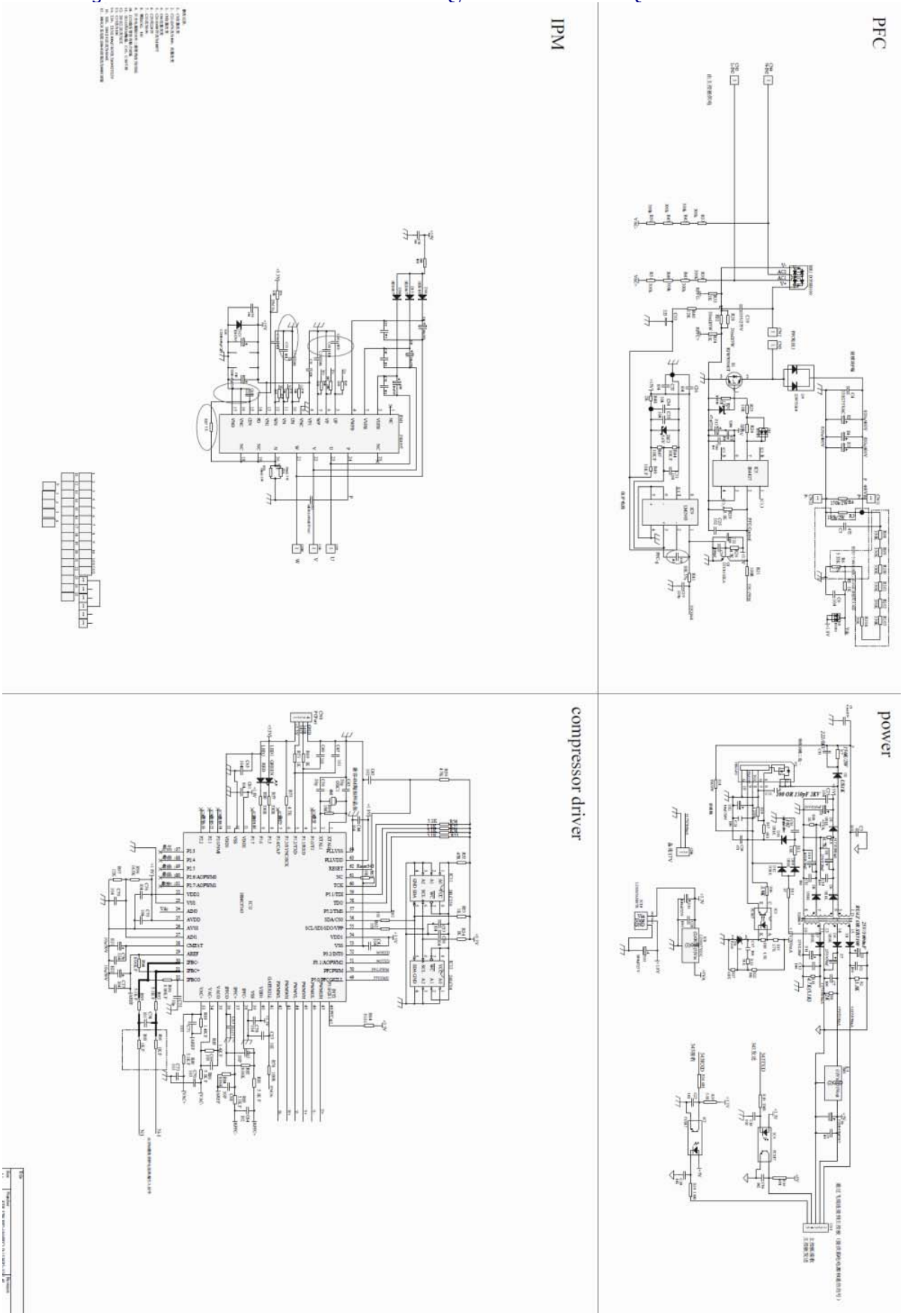
7.14	In NOTE Z1, replace "IEC 82079-1" by "EN 82079-1".		P
Annex ZF	In Table ZF.1 – List of standards under CLC/TC 61, replace line of EN 60335-2-38 by the following: EN 60335-2-38, Commercial electric griddles and griddle grills with moving parts		N/A

--- End of Attachment 2 ---

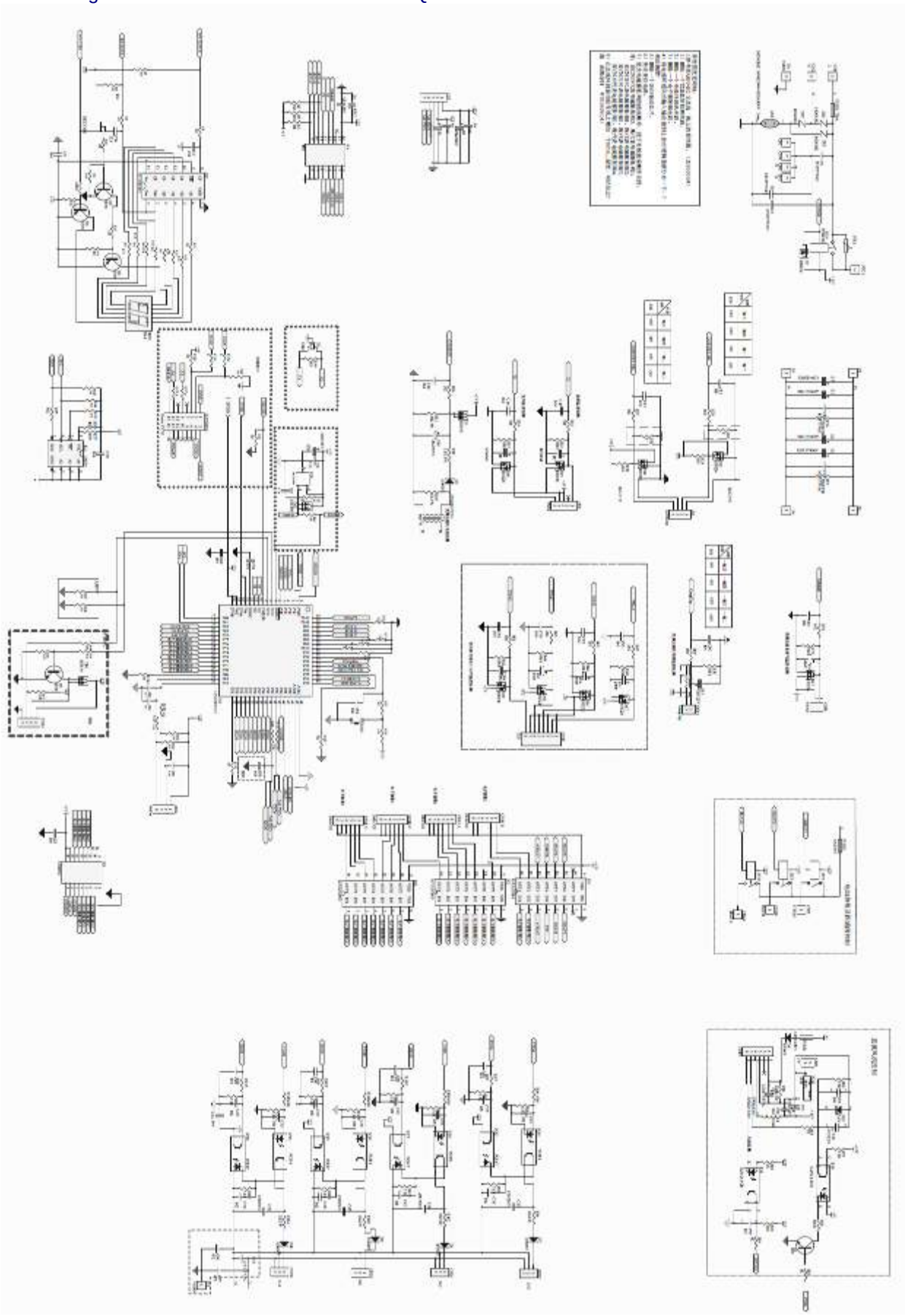
Circuit diagram 1: outdoor unit: M2OD-18HFRN1-Q; M3OD-27HFRN1-Q



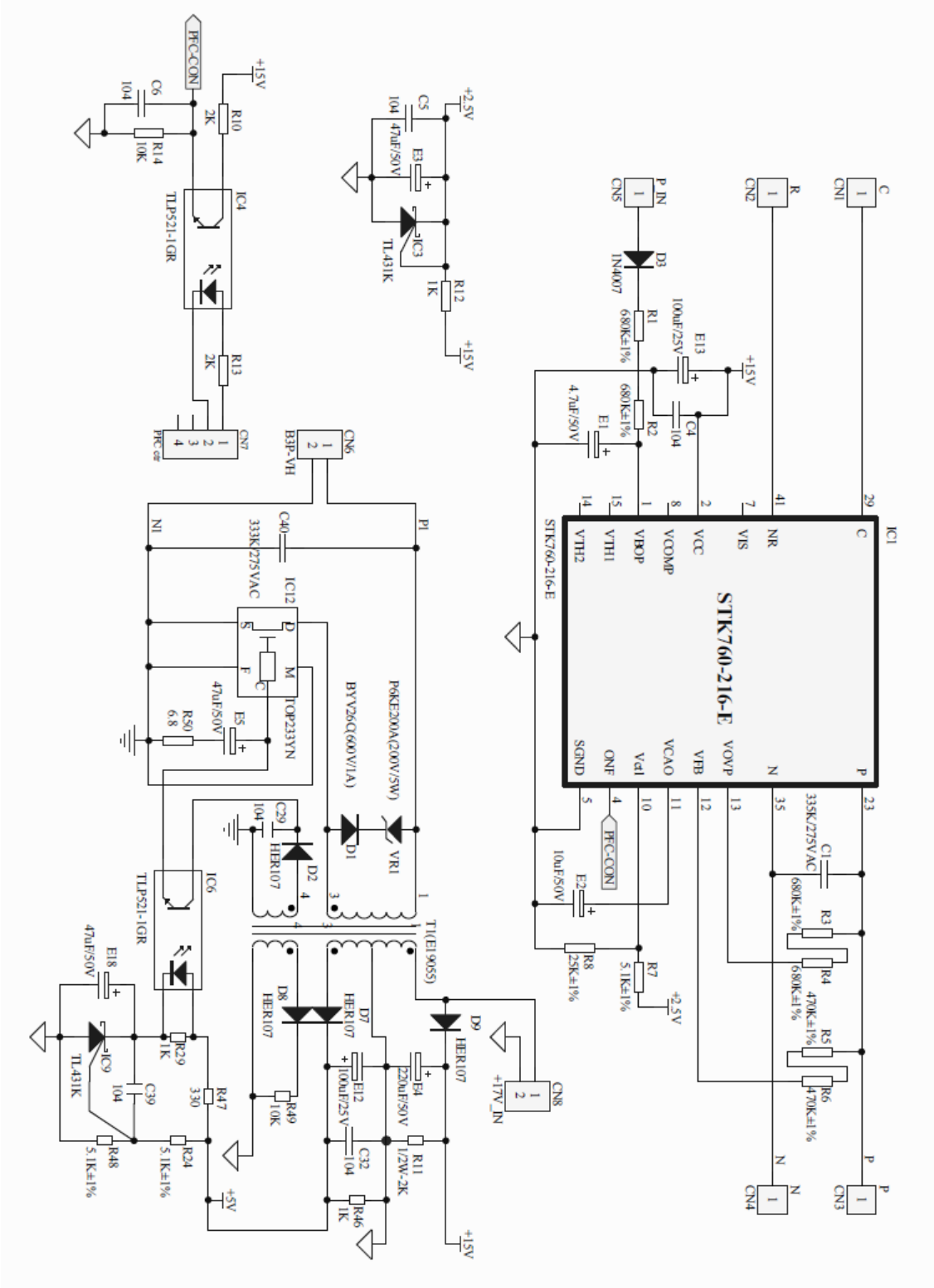
Circuit diagram 2: outdoor unit: M2OD-18HFRN1-Q; M3OD-27HFRN1-Q



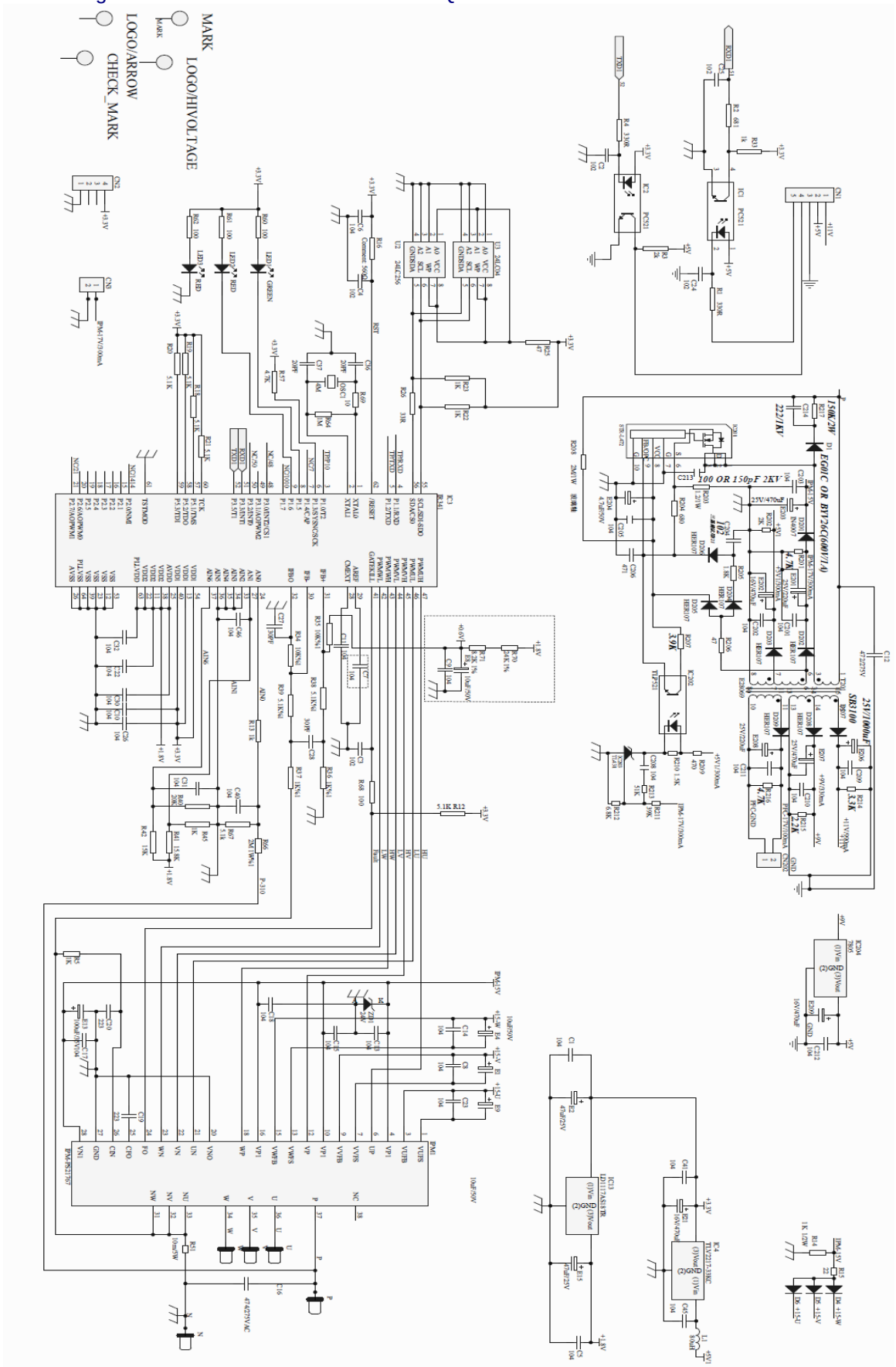
Circuit diagram 1: outdoor unit: M4OA-36HFN1-Q



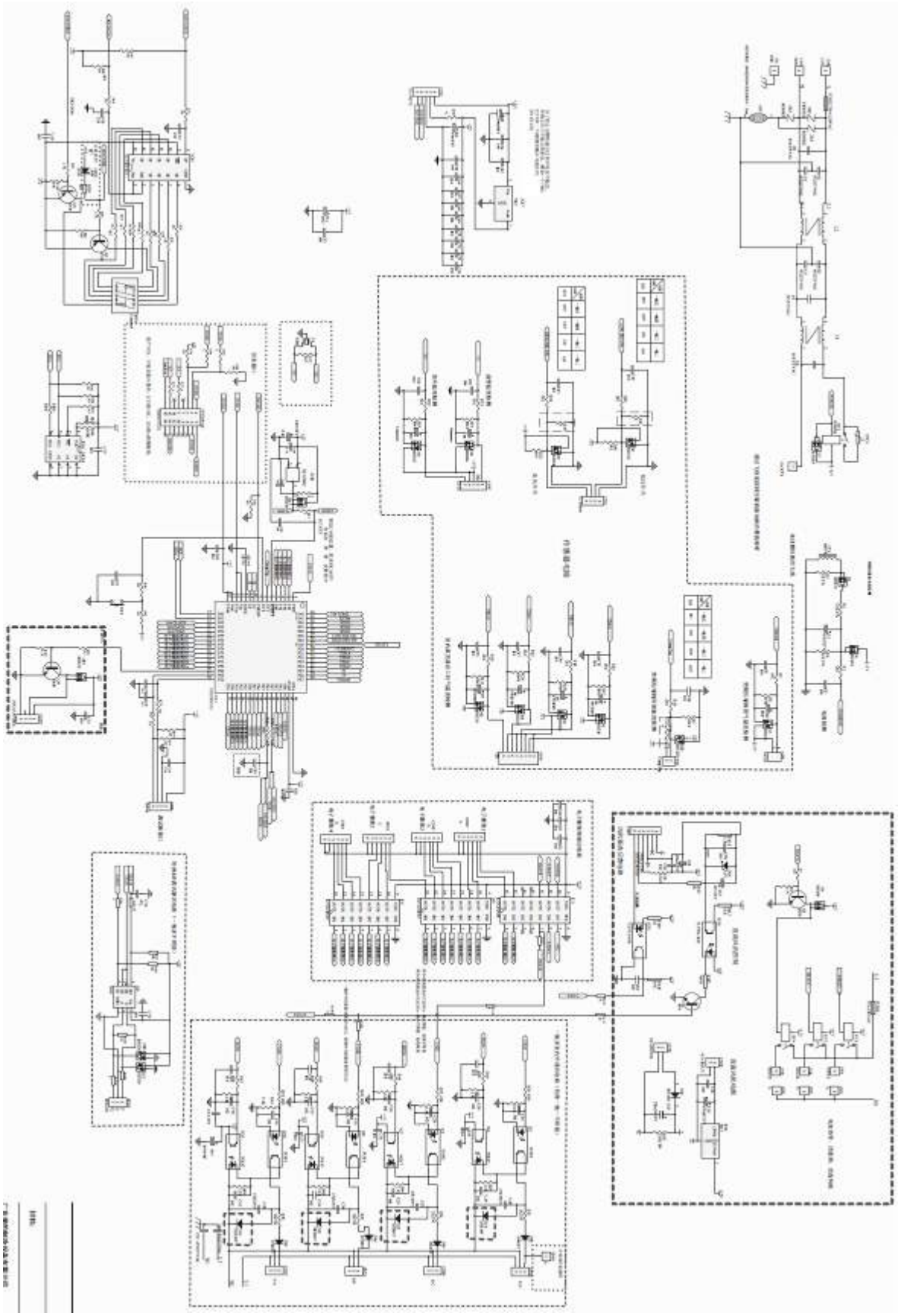
Circuit diagram 2: outdoor unit: M4OA-36HFN1-Q



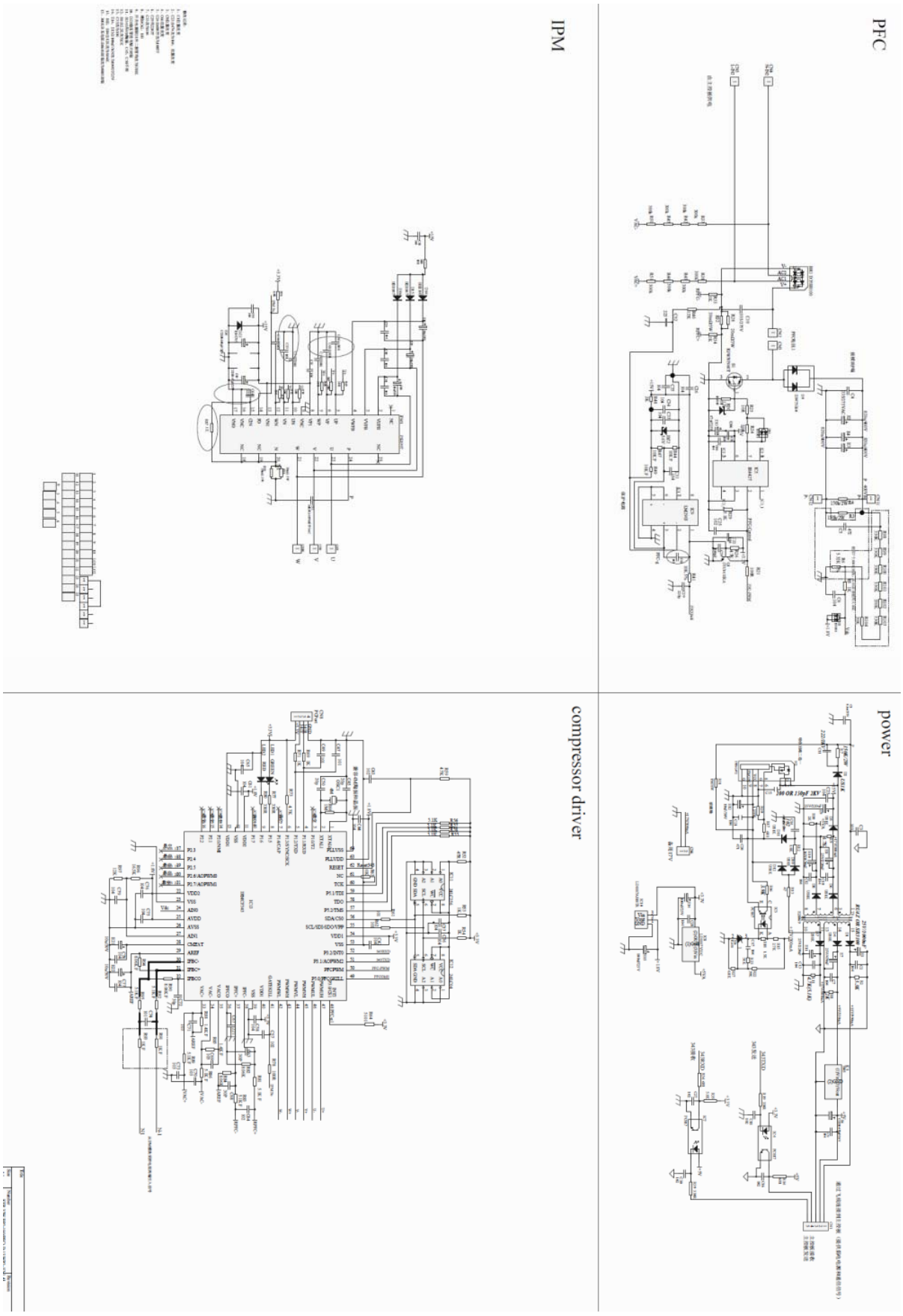
Circuit diagram 3: outdoor unit: M4OA-36HFN1-Q



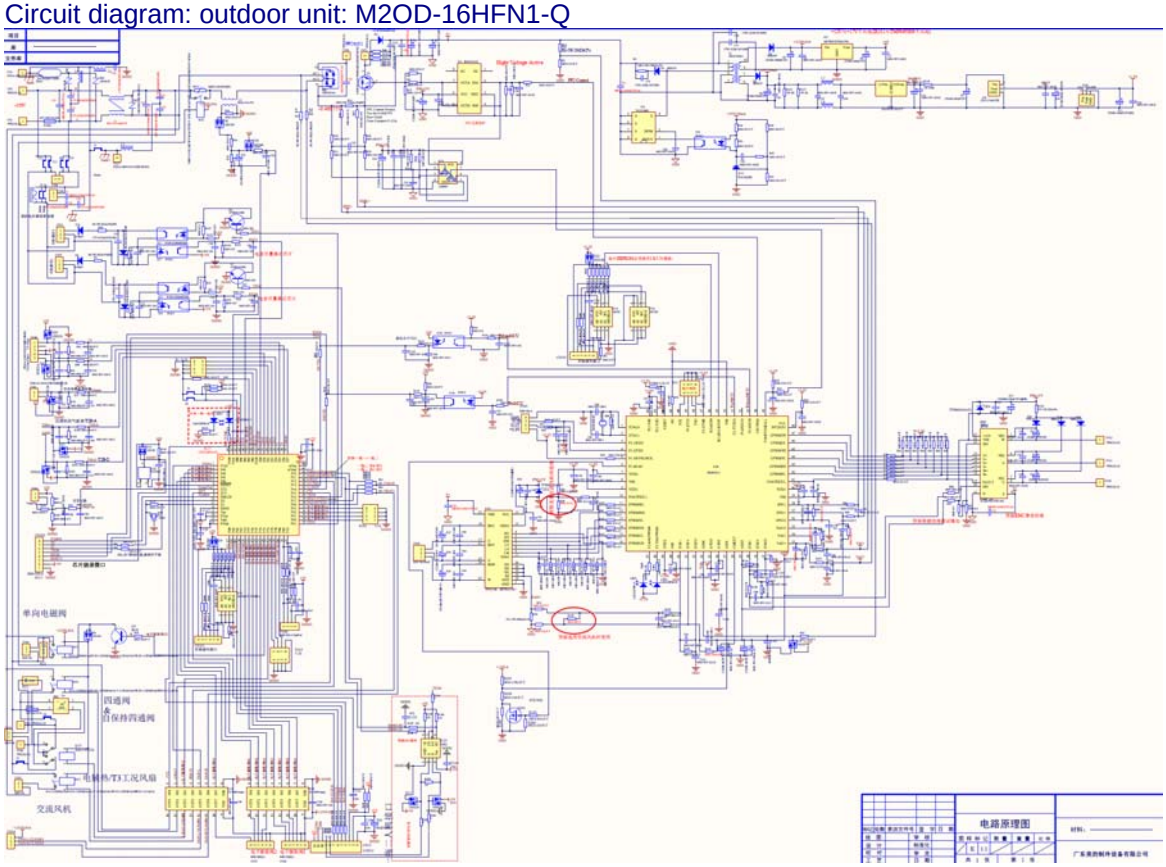
Circuit diagram 1: outdoor unit: M3OD-26HFN1-Q



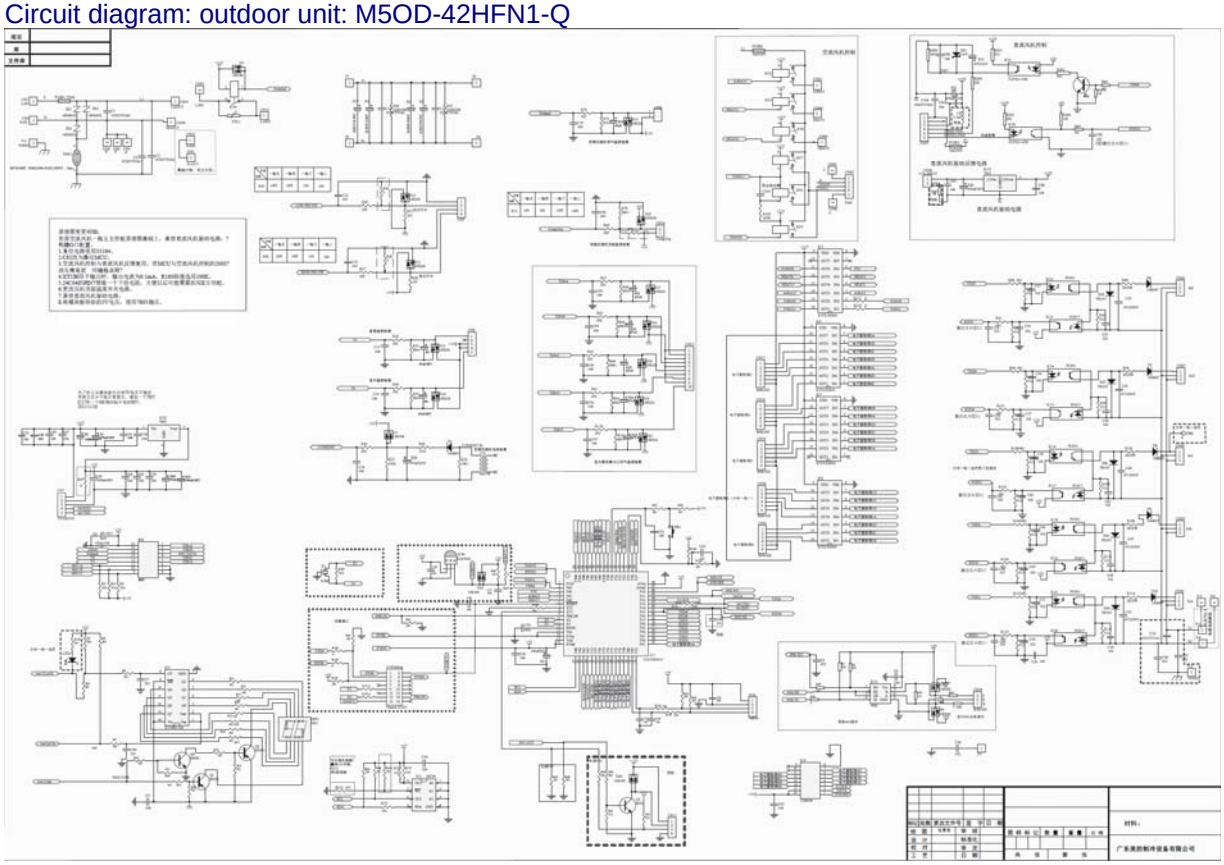
Circuit diagram 2: outdoor unit: M3OD-26HFN1-Q



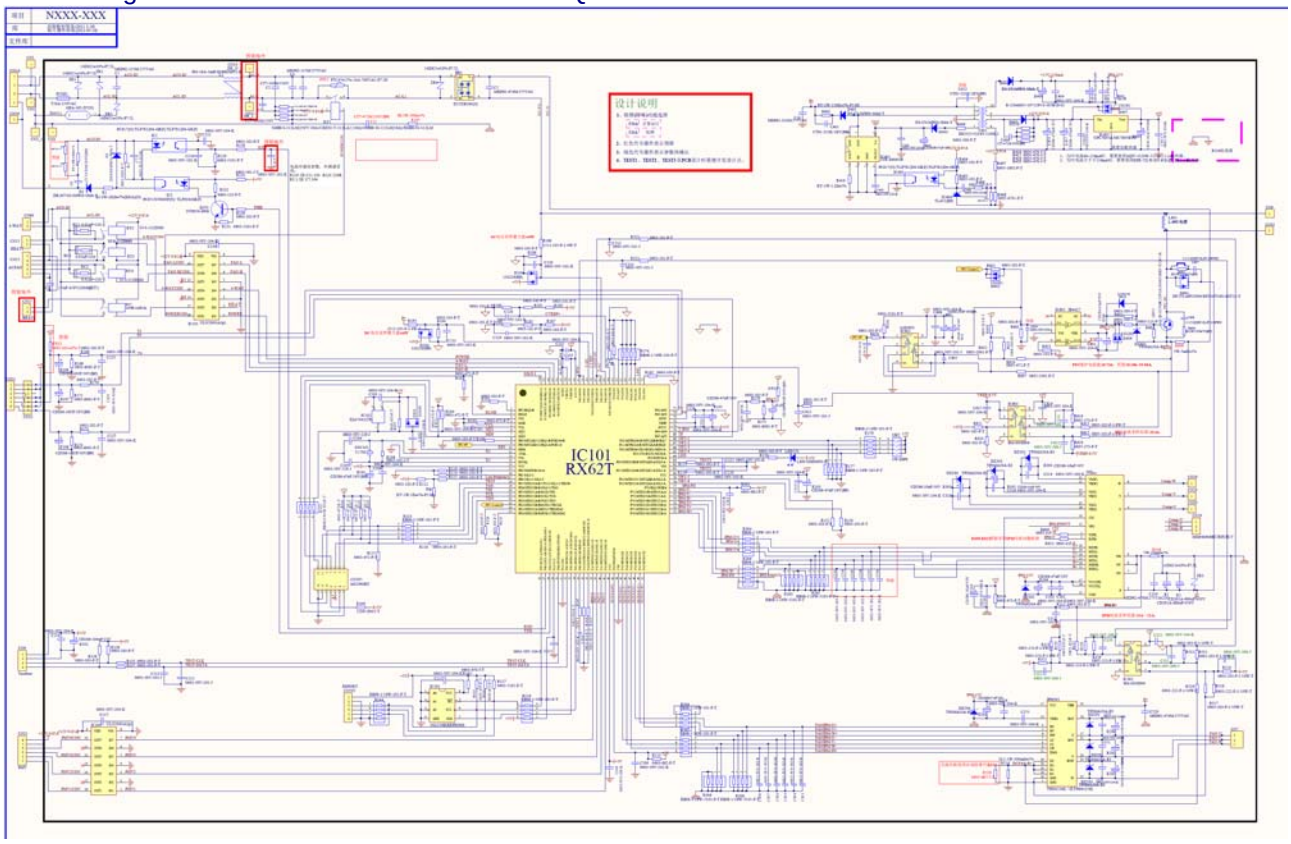
Circuit diagram: outdoor unit: M2OD-16HFN1-Q



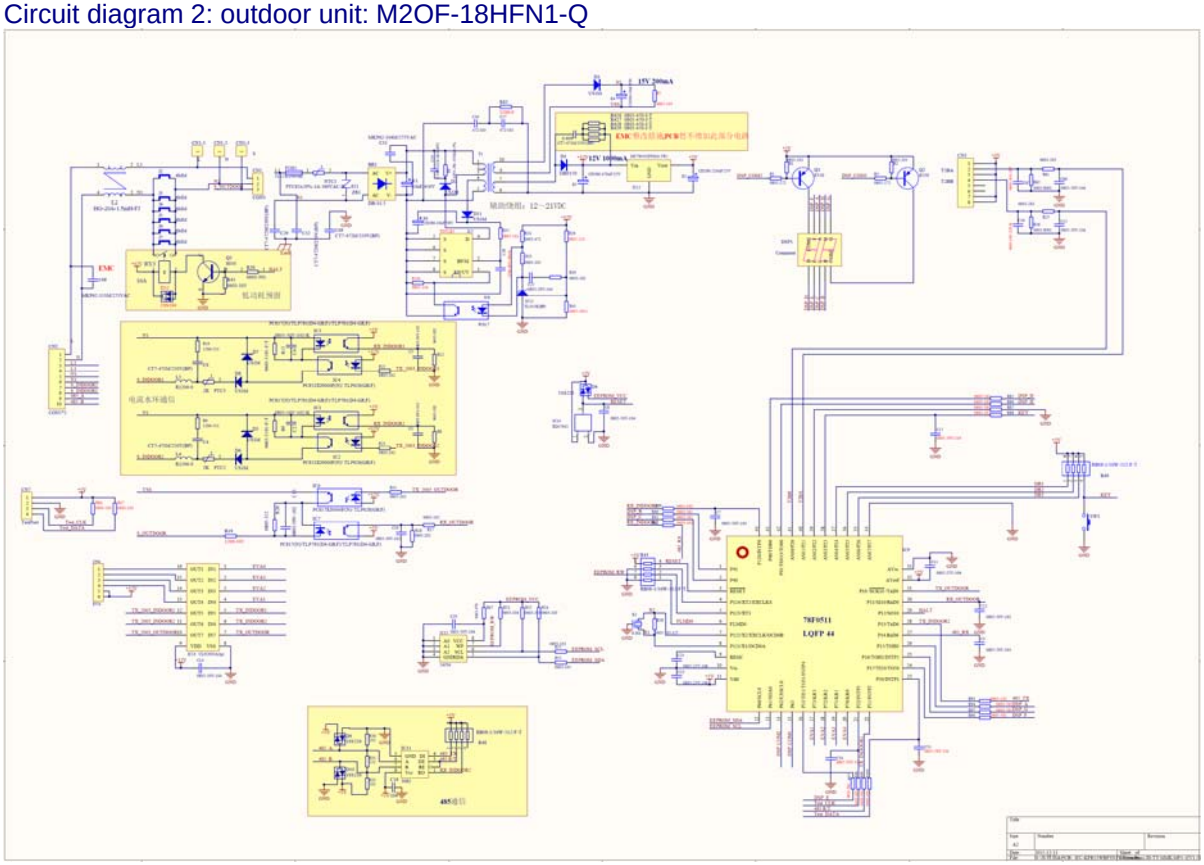
Circuit diagram: outdoor unit: M5OD-42HFN1-Q



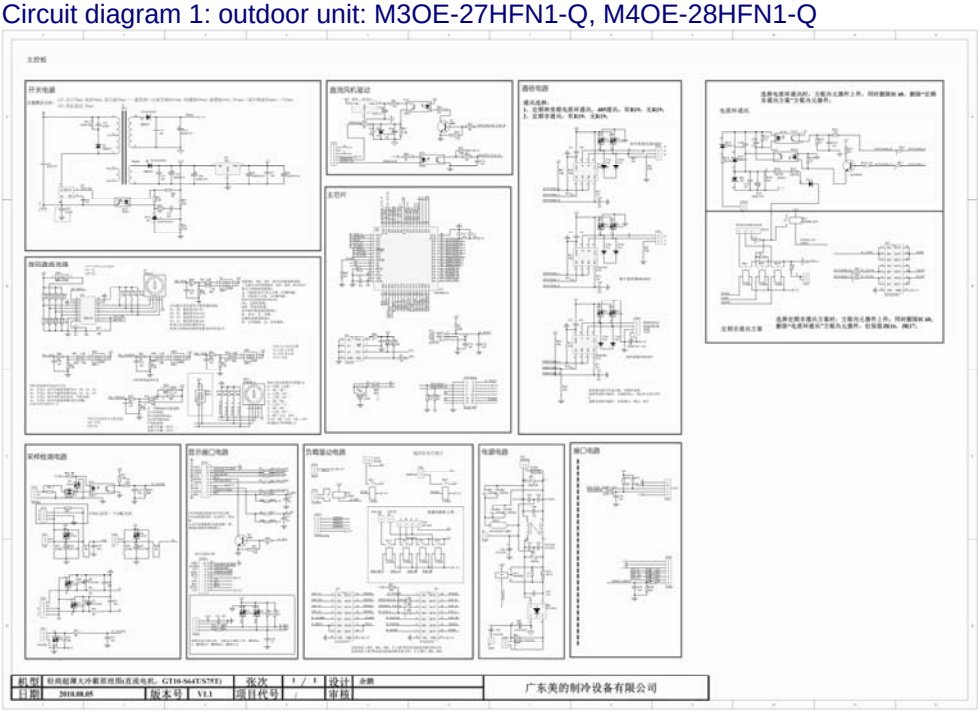
Circuit diagram 1: outdoor unit: M2OF-18HFN1-Q



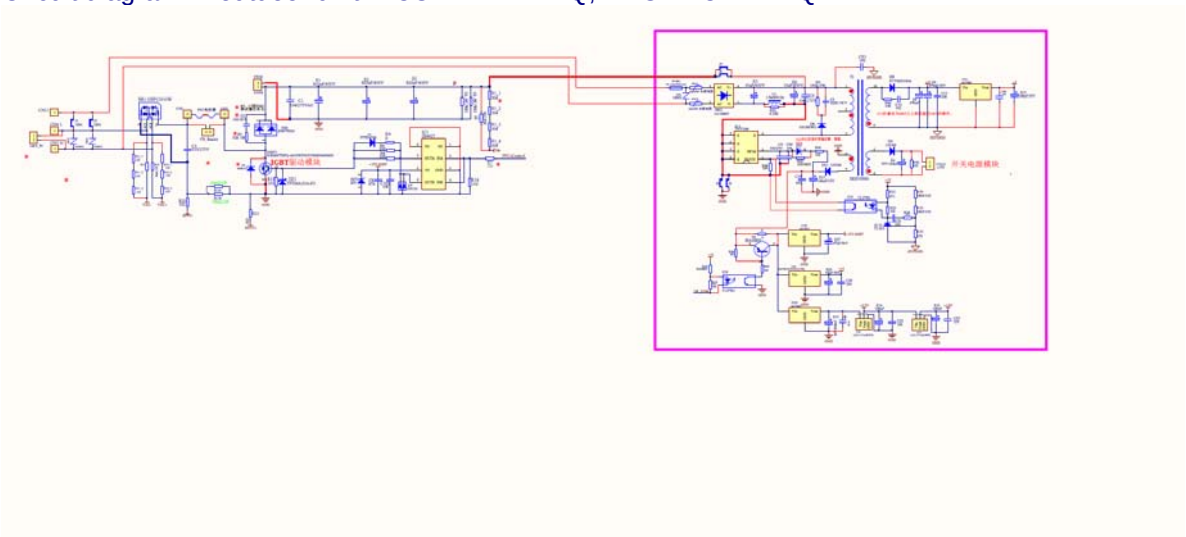
Circuit diagram 2: outdoor unit: M2OF-18HFN1-Q



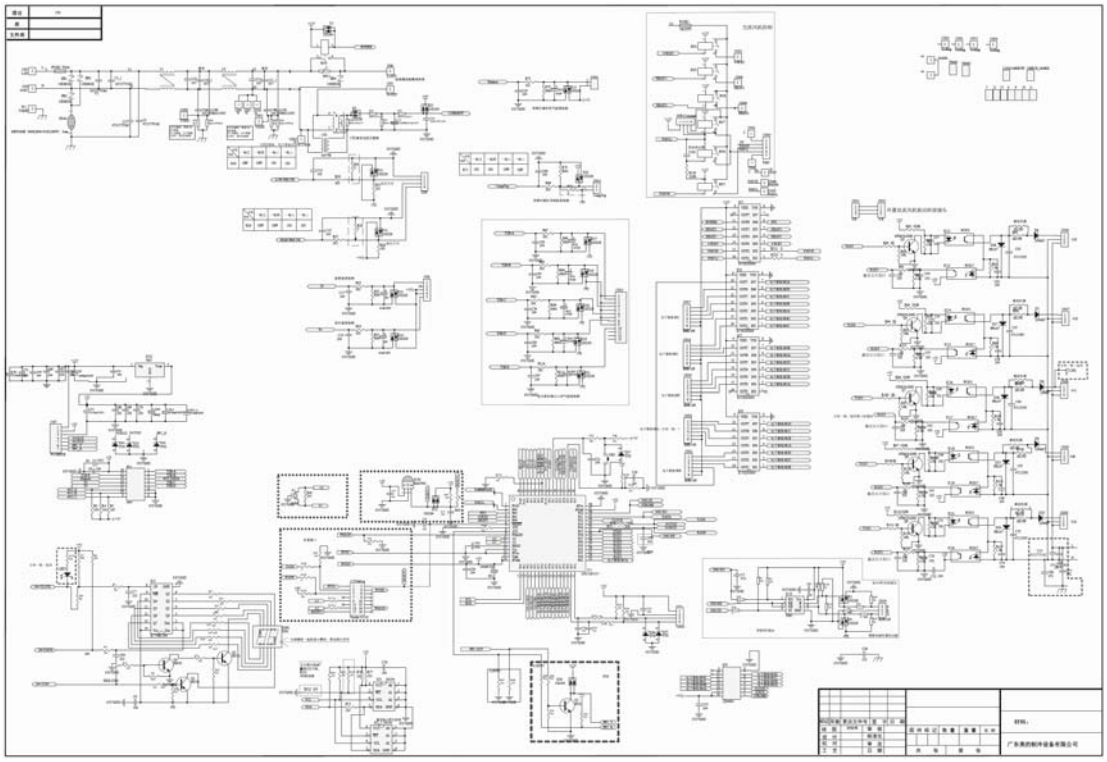
Circuit diagram 1: outdoor unit: M3OE-27HFN1-Q, M4OE-28HFN1-Q



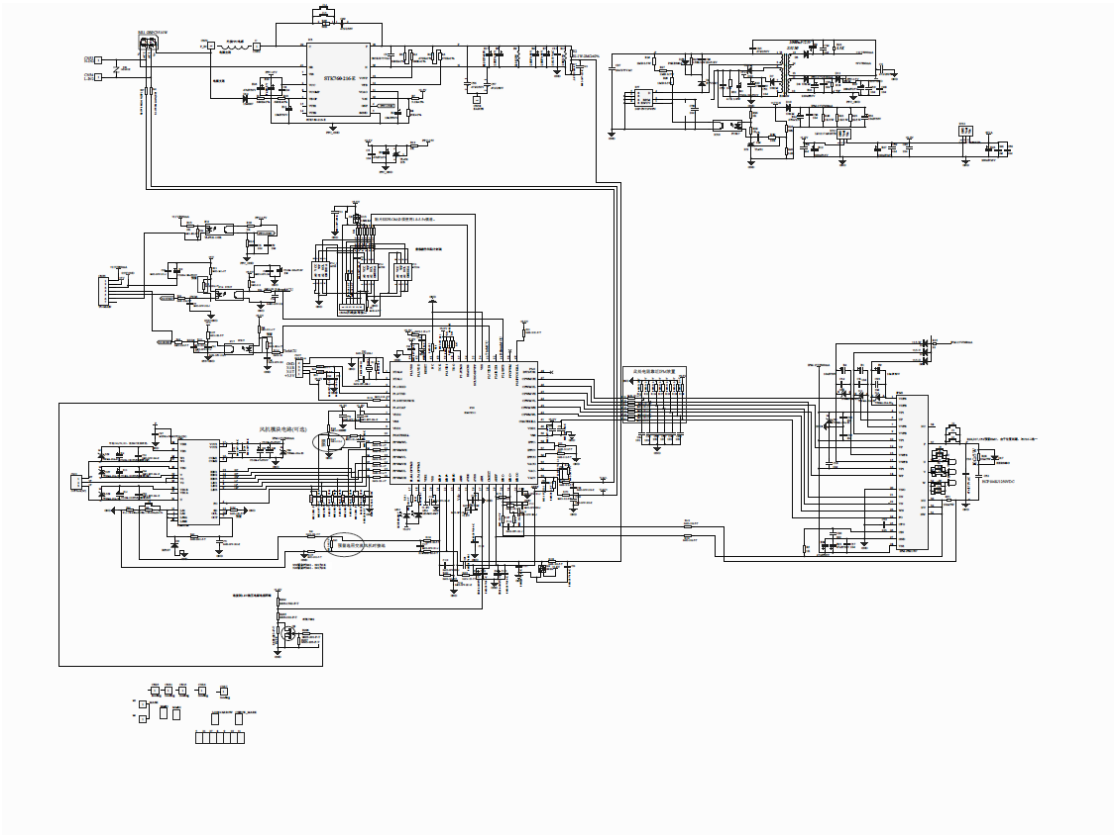
Circuit diagram 2: outdoor unit: M3OE-27HFN1-Q, M4OE-28HFN1-Q



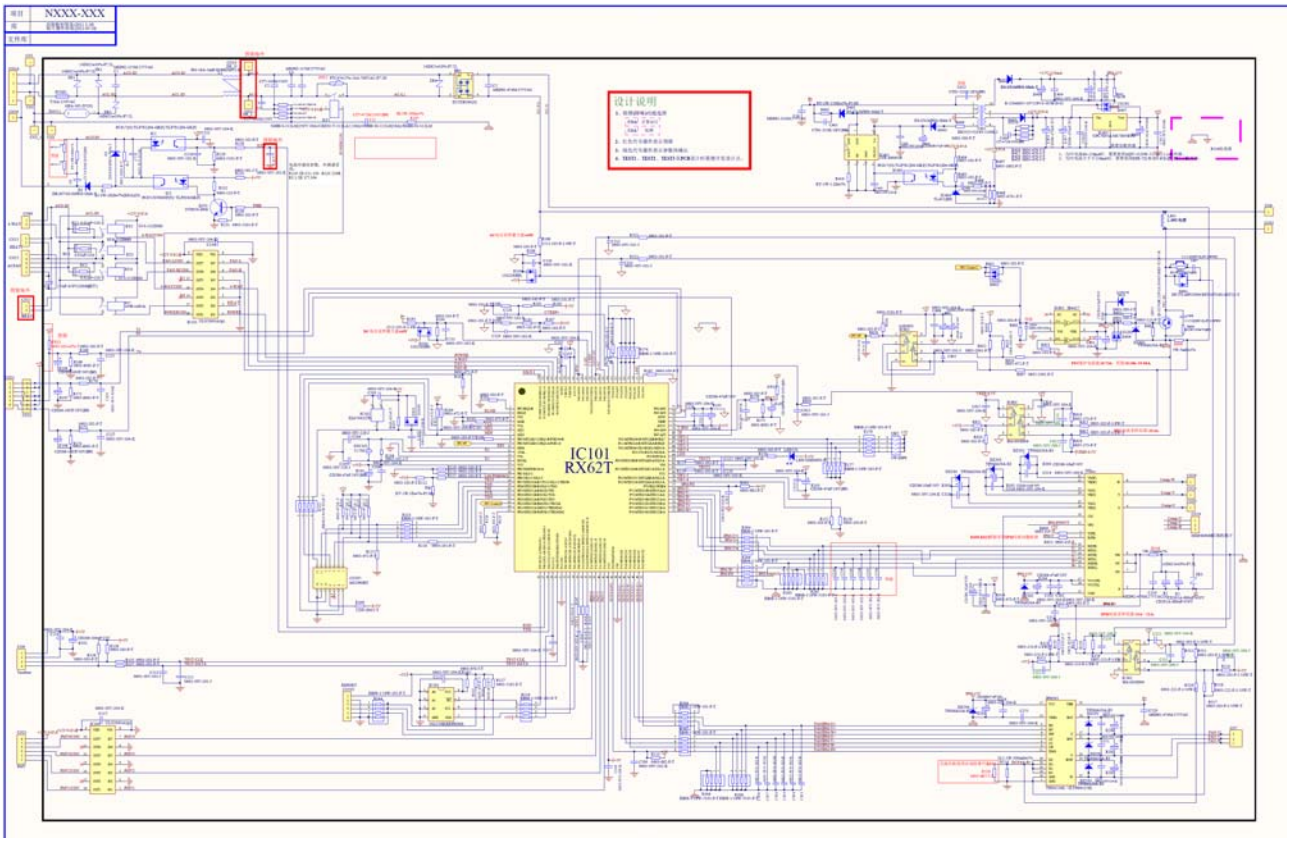
Circuit diagram 1: outdoor unit: M4OB-36HFN1-Q, M5OE-42HFN1-Q



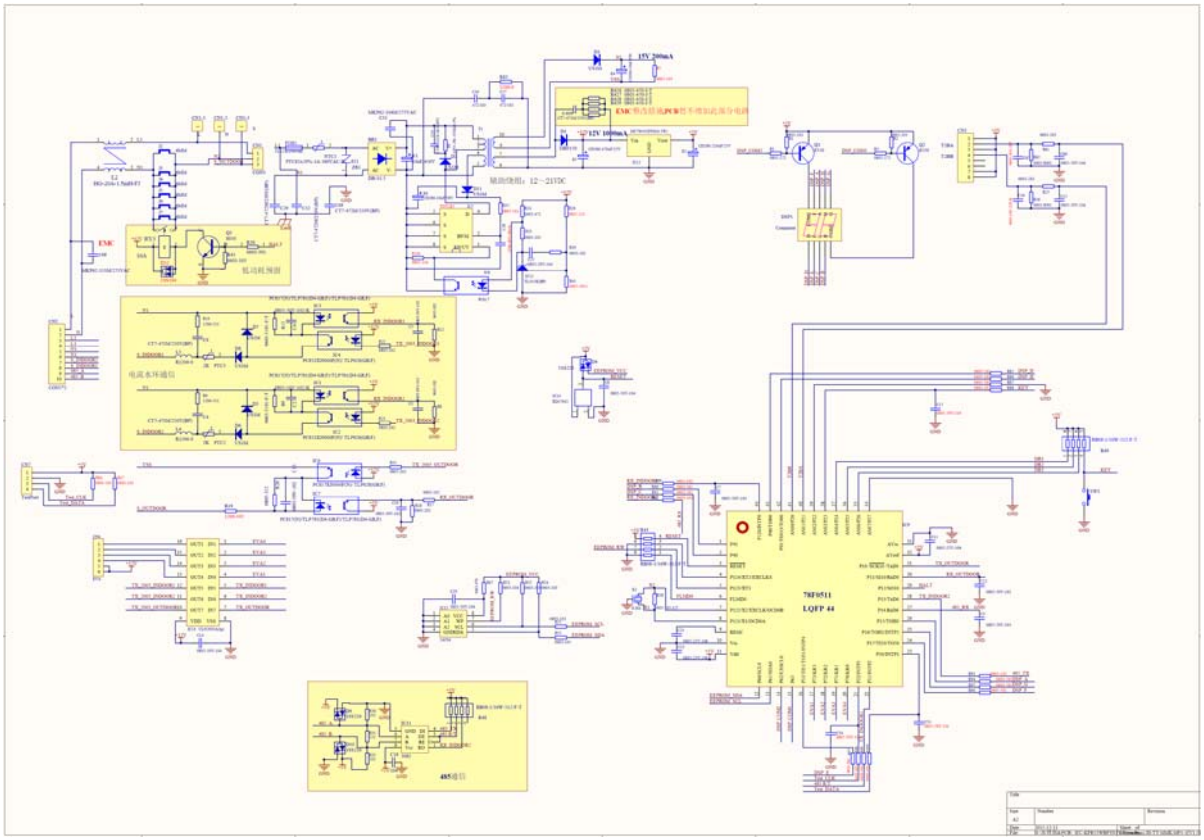
Circuit diagram 2: outdoor unit: M4OB-36HFN1-Q, M5OE-42HFN1-Q



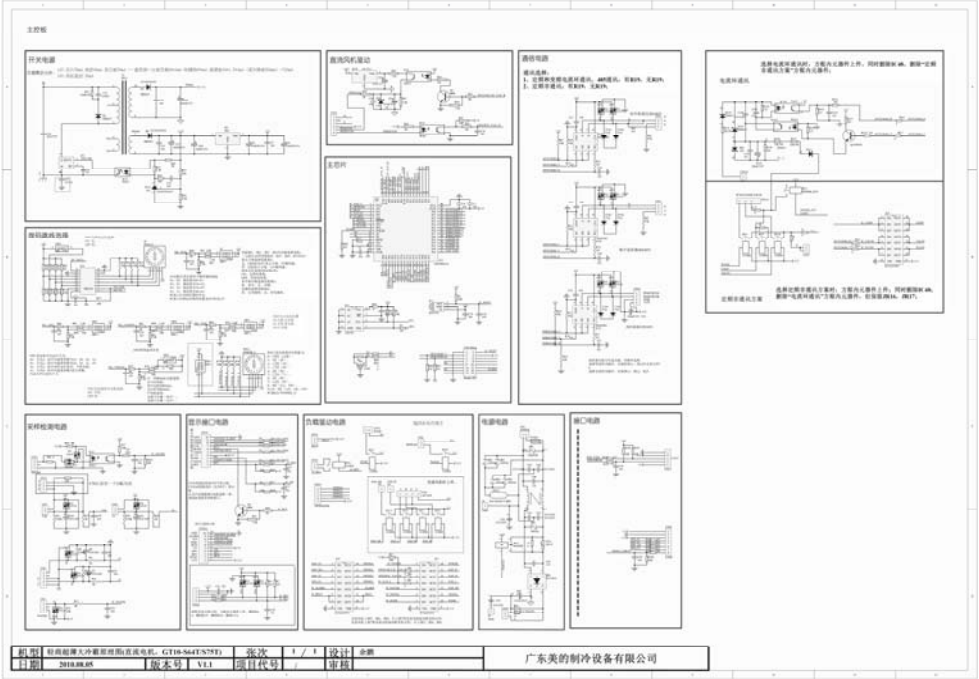
Circuit diagram 1: outdoor unit: M2OE-14HFN1-Q



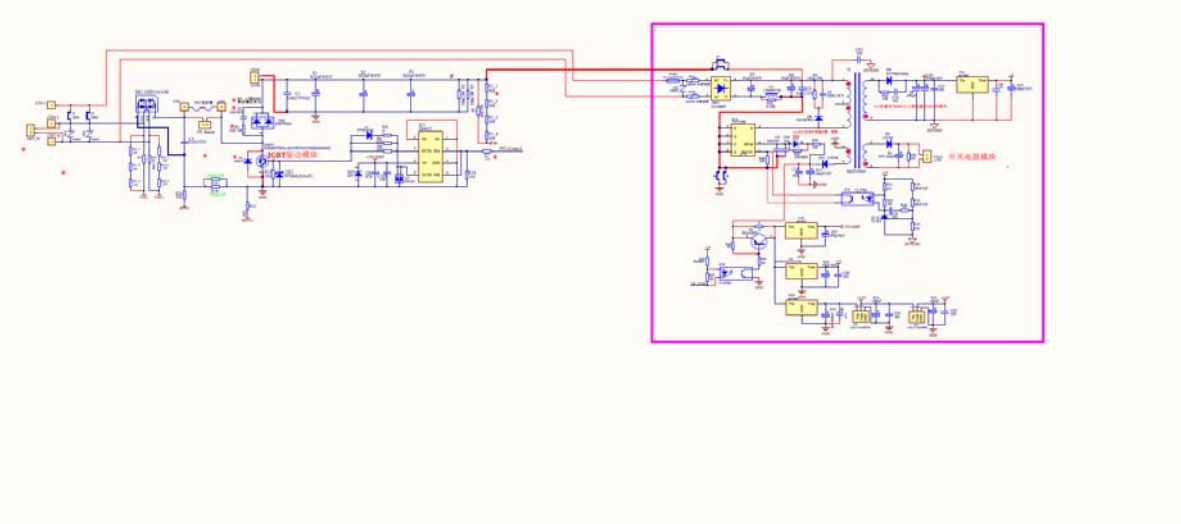
Circuit diagram 1: outdoor unit: M2OE-14HFN1-Q



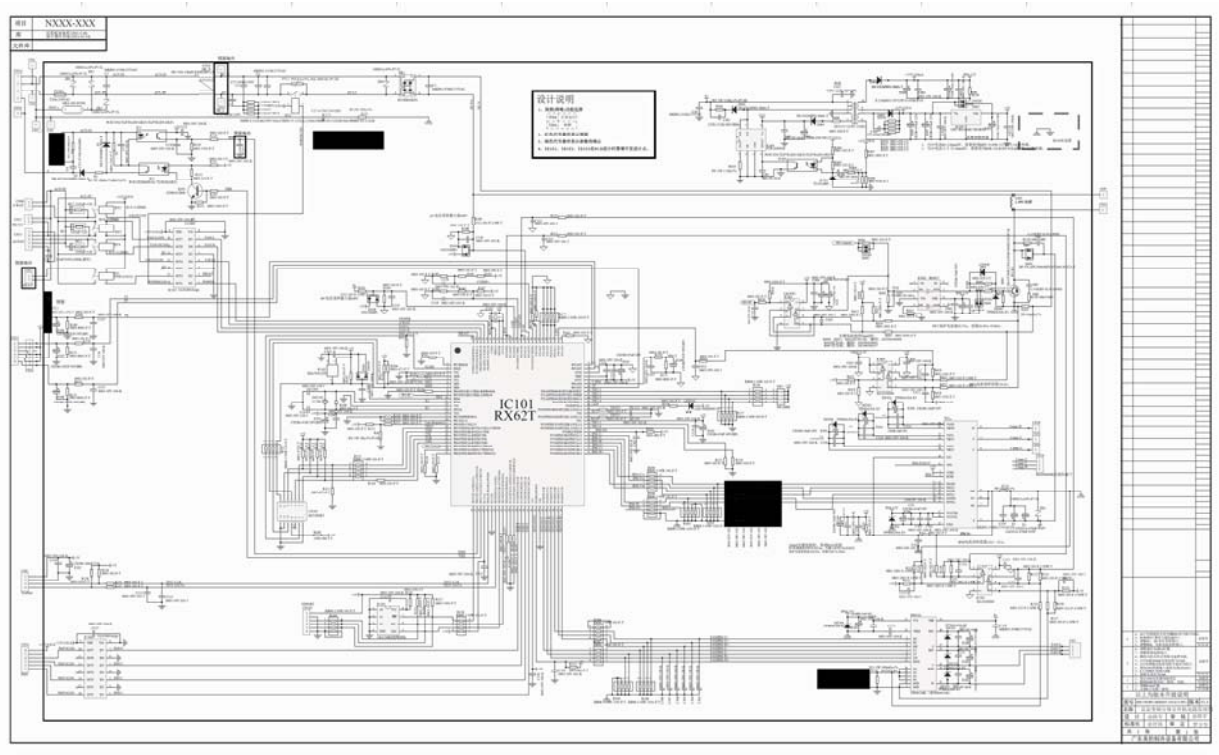
Circuit diagram 1: outdoor unit: M3OE-21HFN1-Q



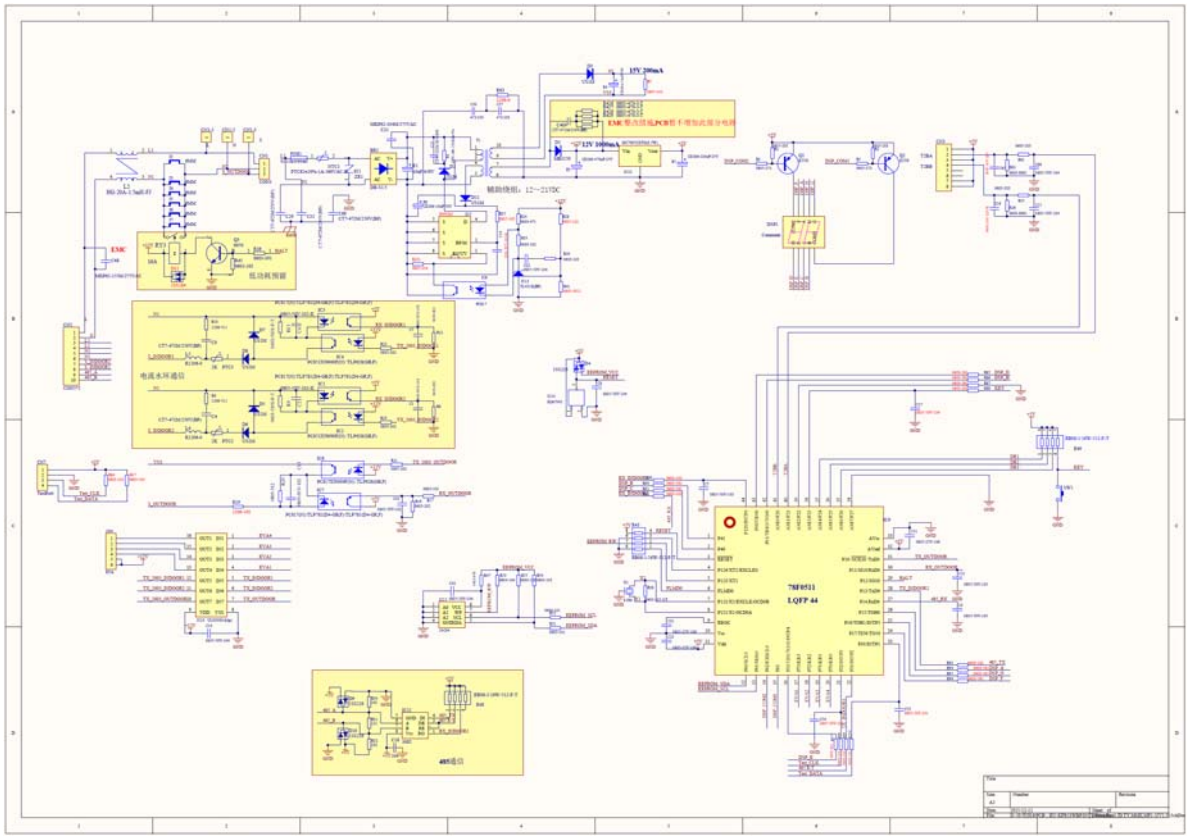
Circuit diagram 2: outdoor unit: M3OE-21HFN1-Q



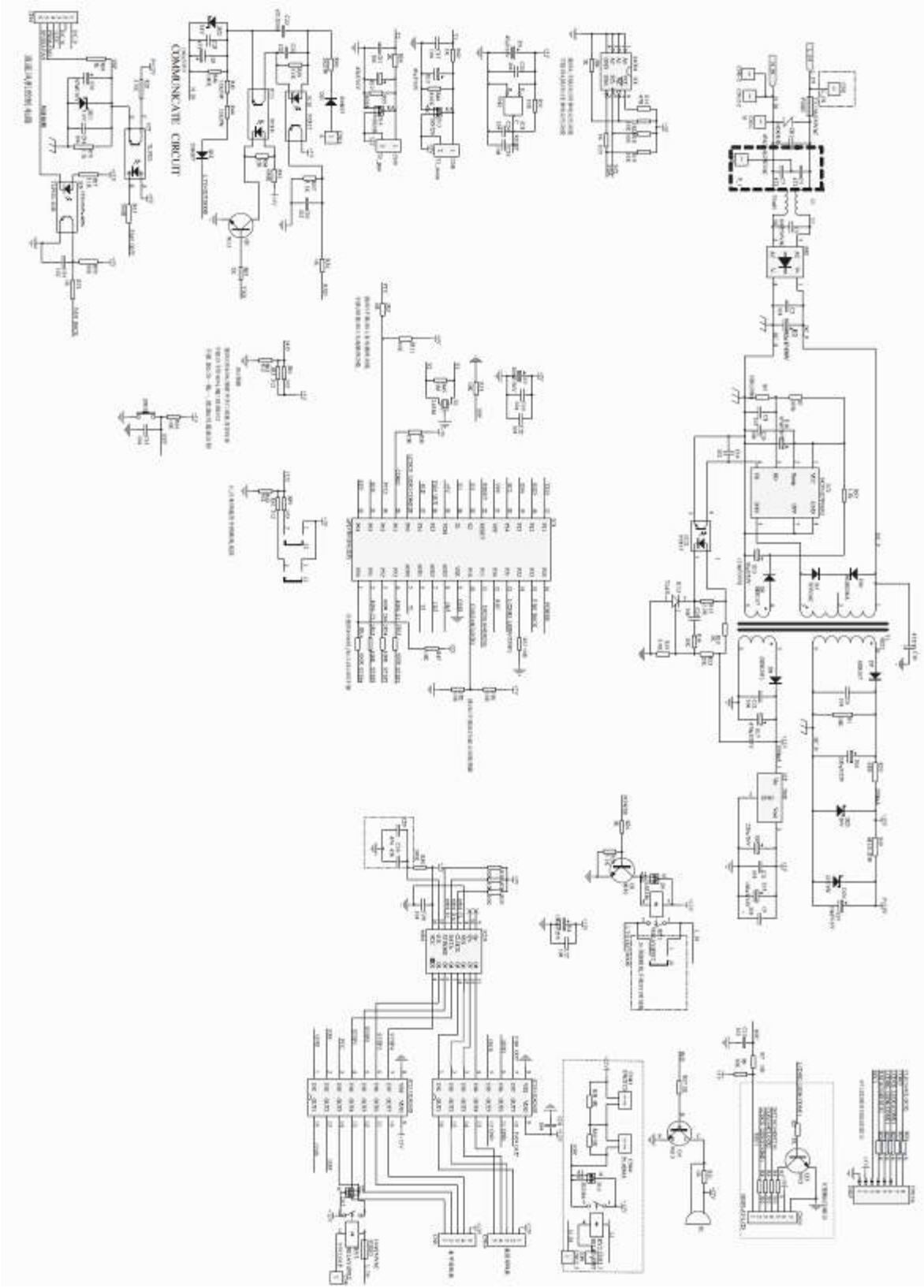
Circuit diagram 1: outdoor unit M2OF-14HFN1-Q



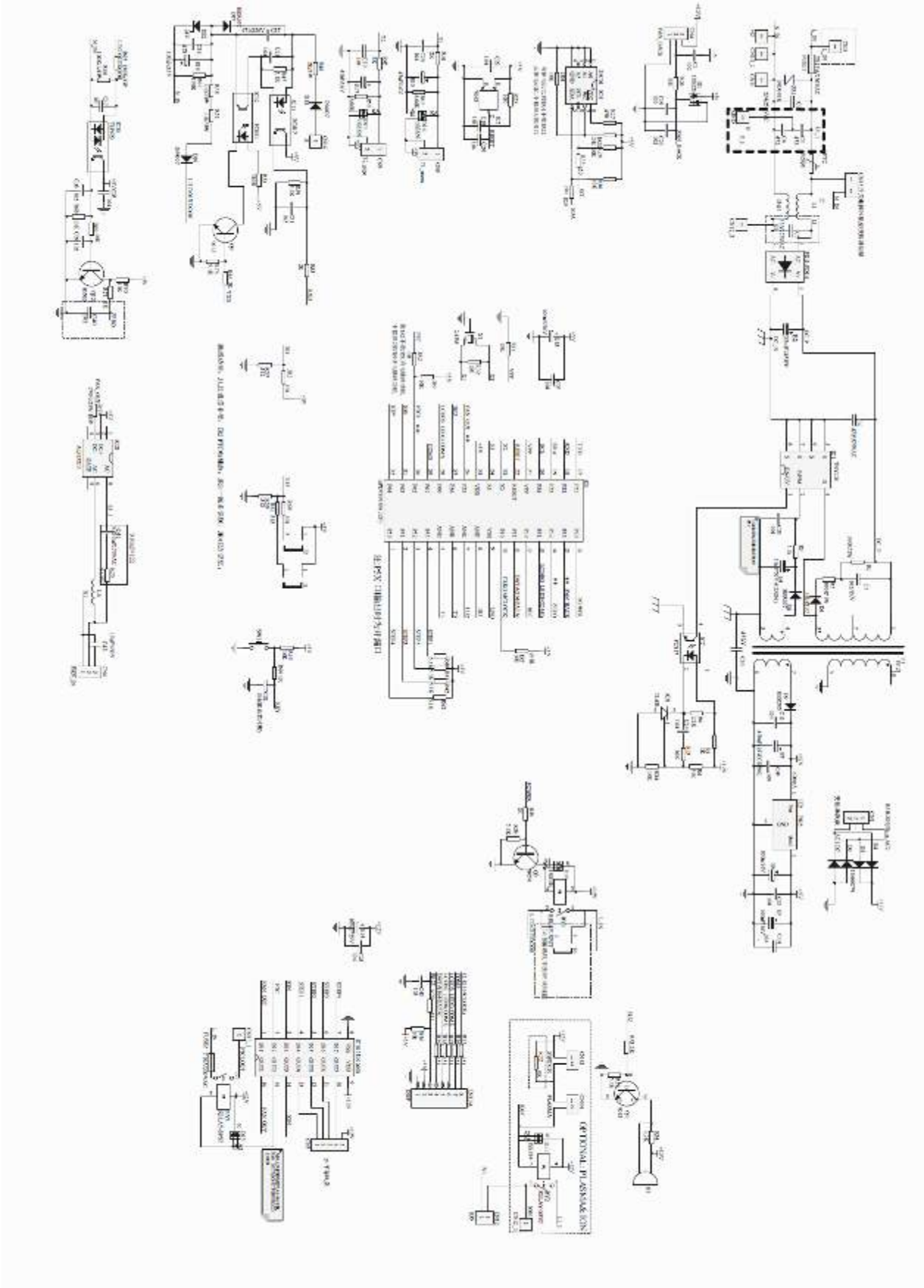
Circuit diagram 2: outdoor unit M2OF-14HFN1-Q



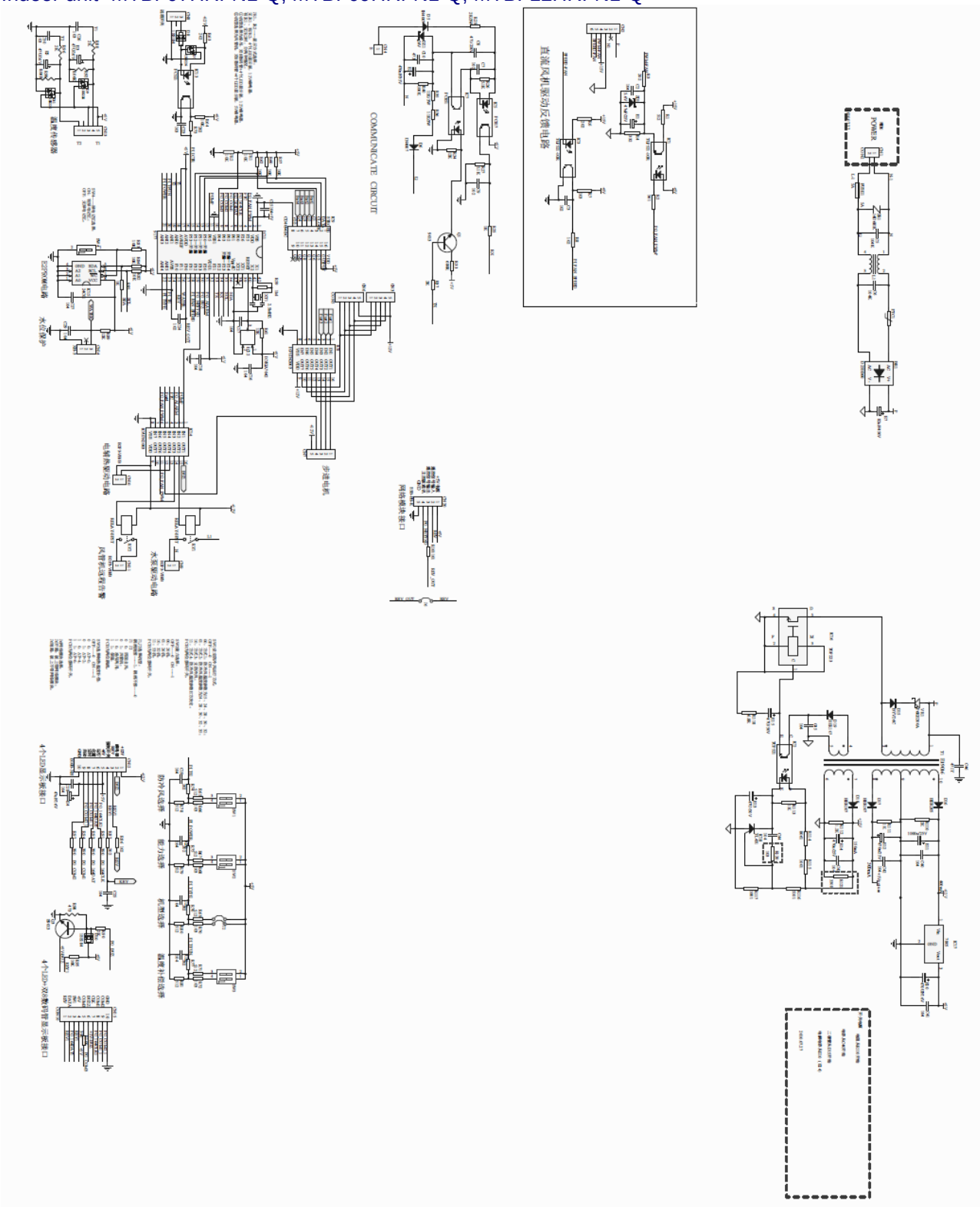
Indoor unit- MS11MU-09HRFN1-QRD0W; MS11MU-12HRFN1-QRD0W



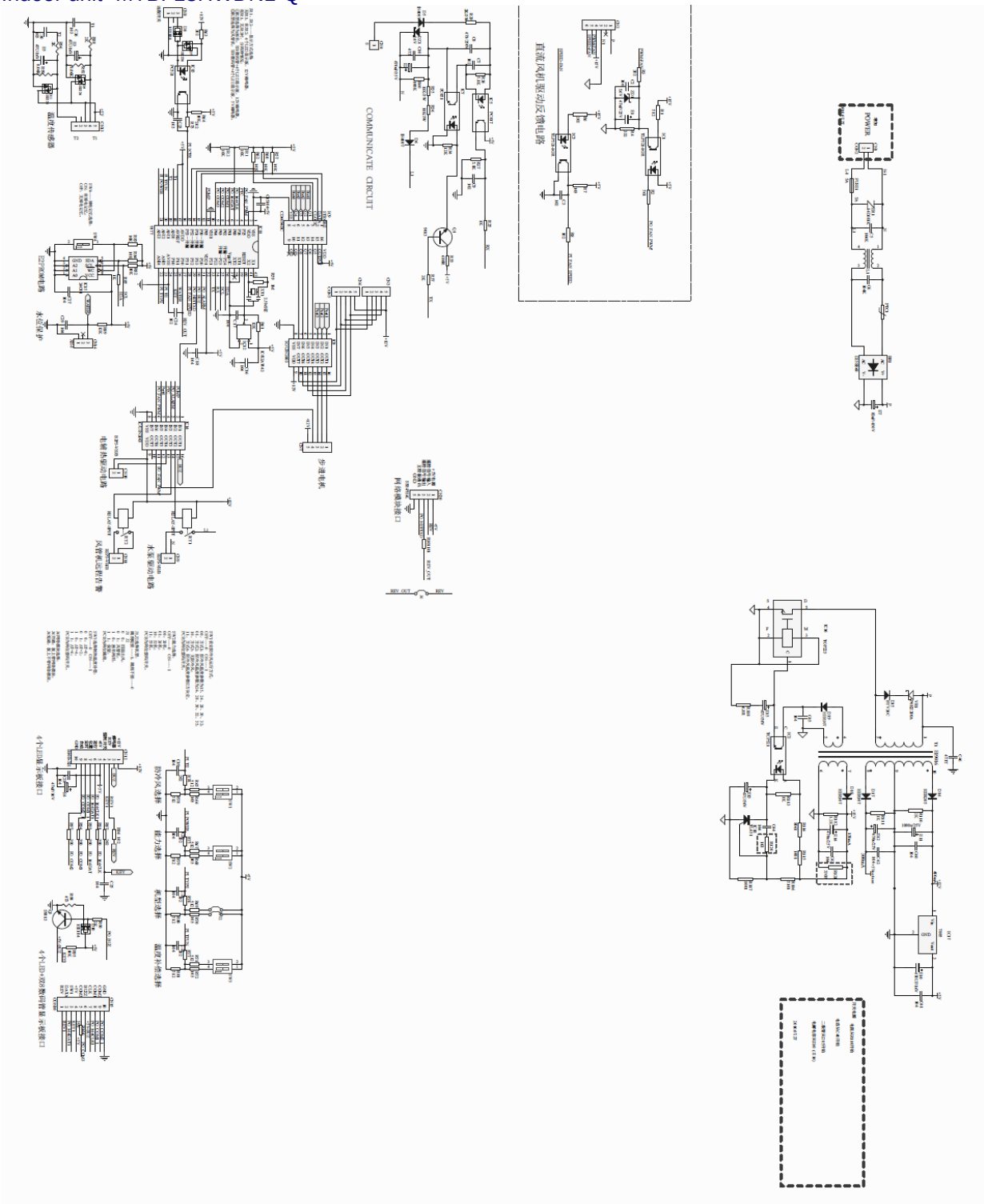
Indoor unit- MS11PU series



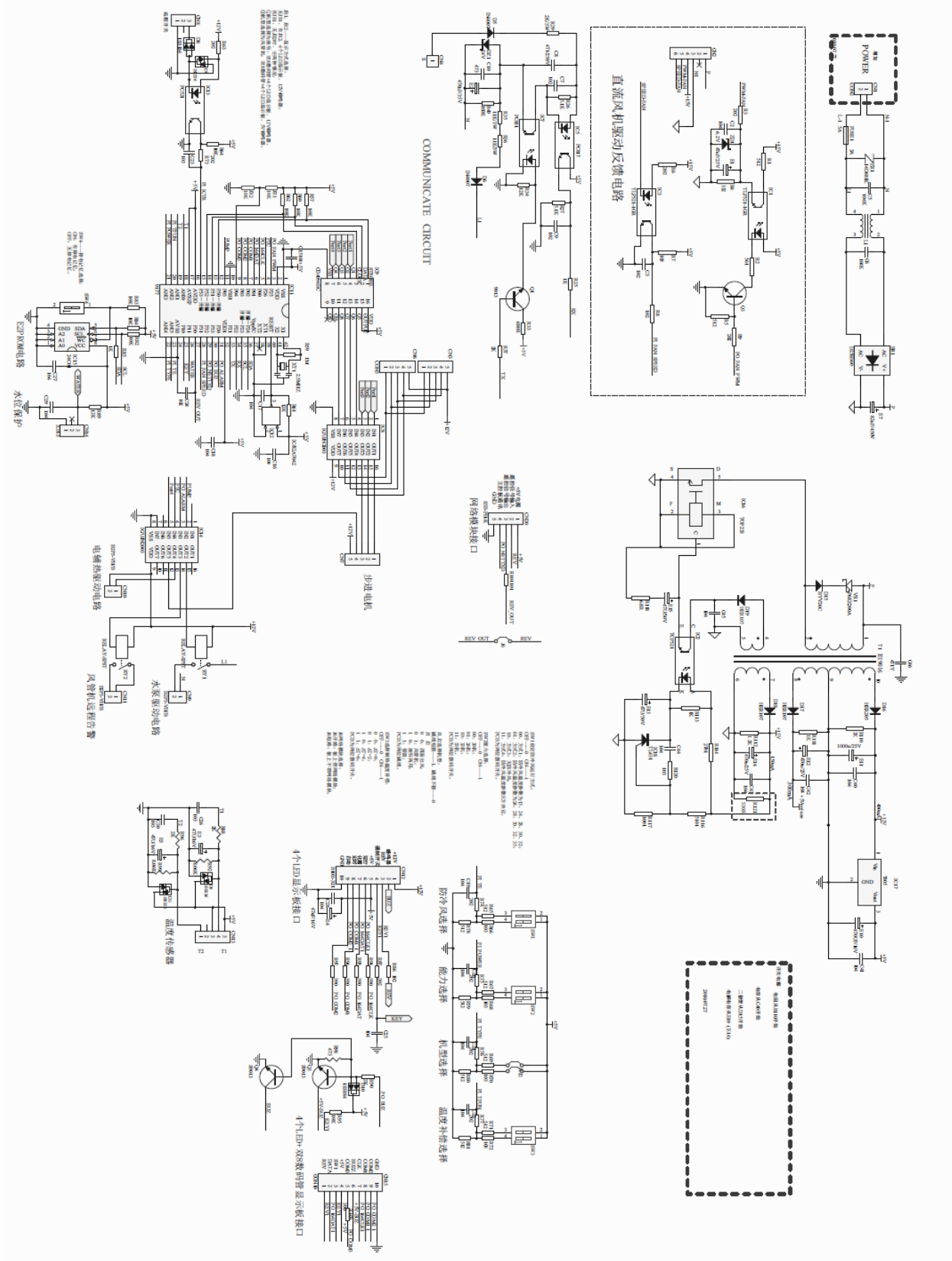
Indoor unit- MTBI-07HRFN1-Q; MTBI-09HRFN1-Q; MTBI-12HRFN1-Q



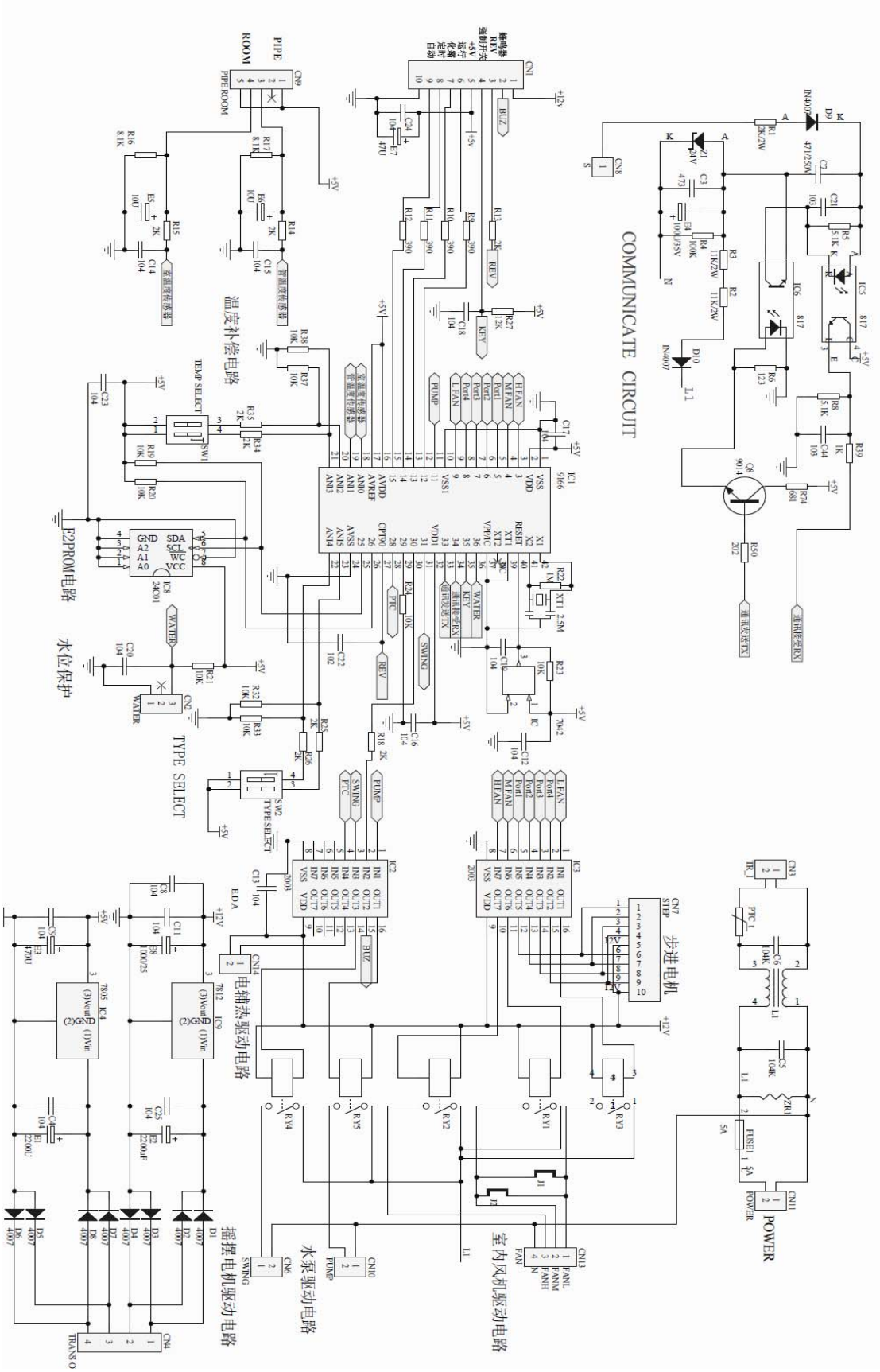
Indoor unit- MTBI-18HWDN1-Q



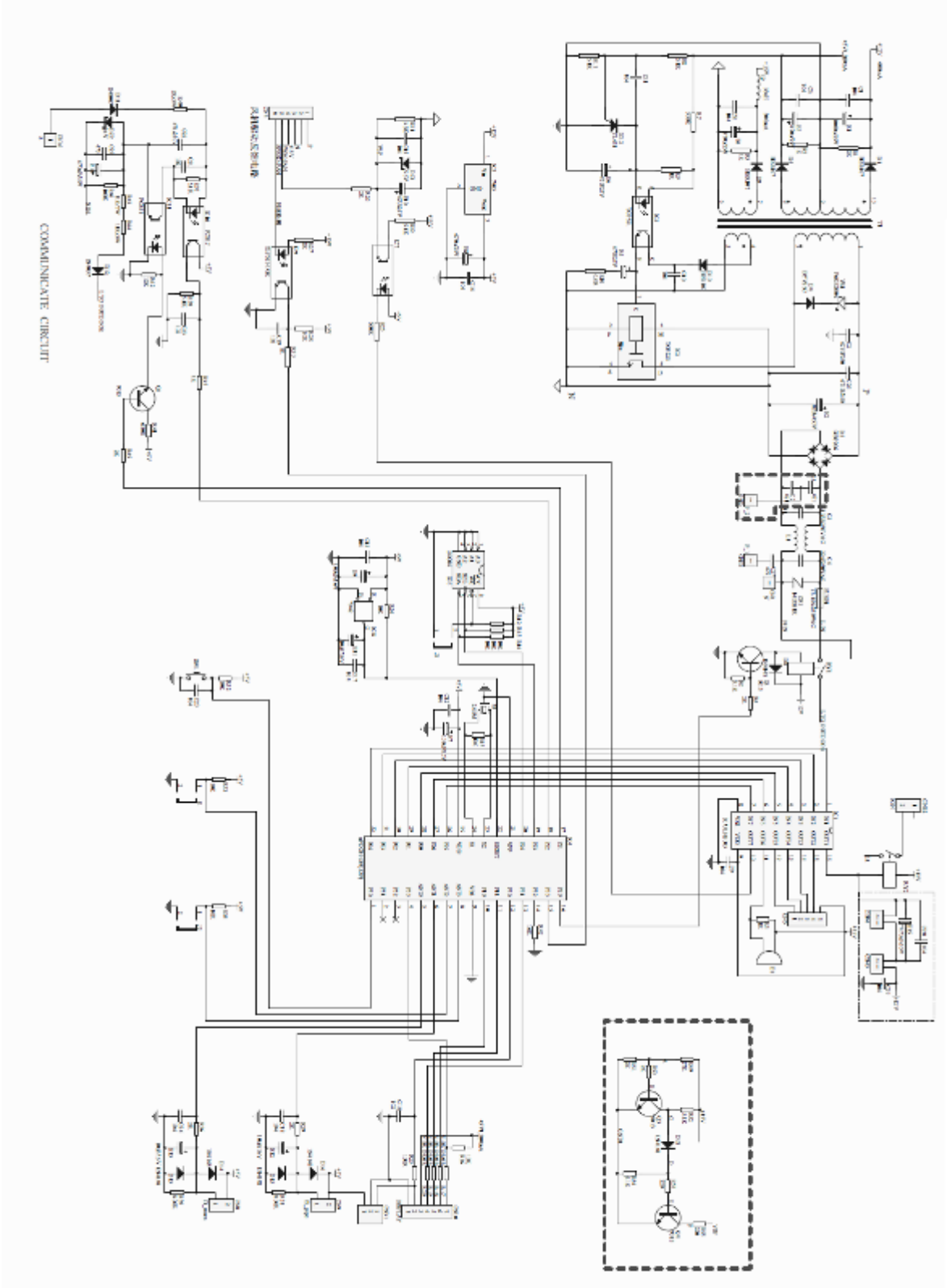
Indoor unit- MCA2I-07HRFN1-Q; MCA2I-09HRFN1-Q; MCA2I-12HRFN1-Q



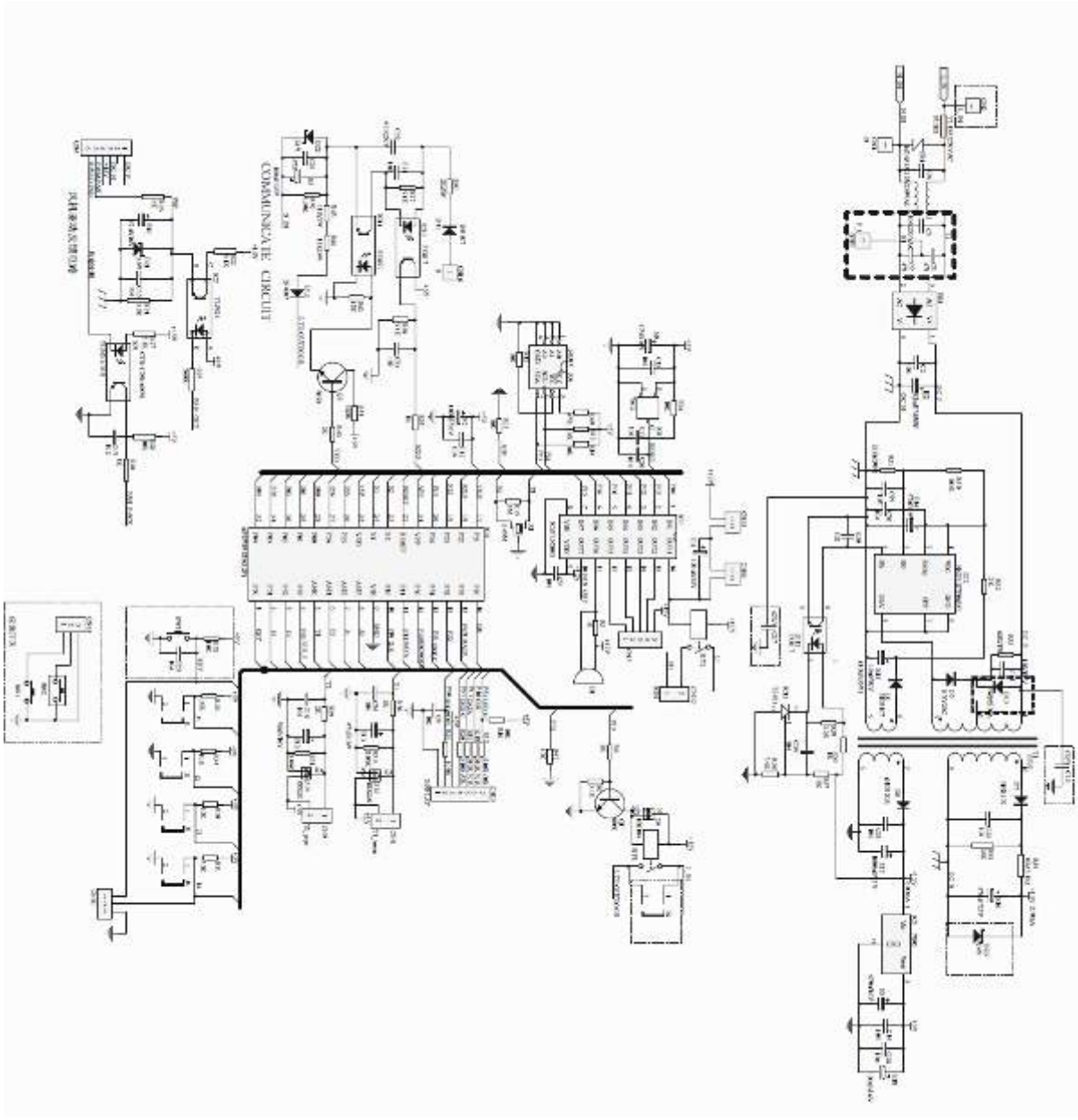
Indoor unit- MCA2I-18HRDN1



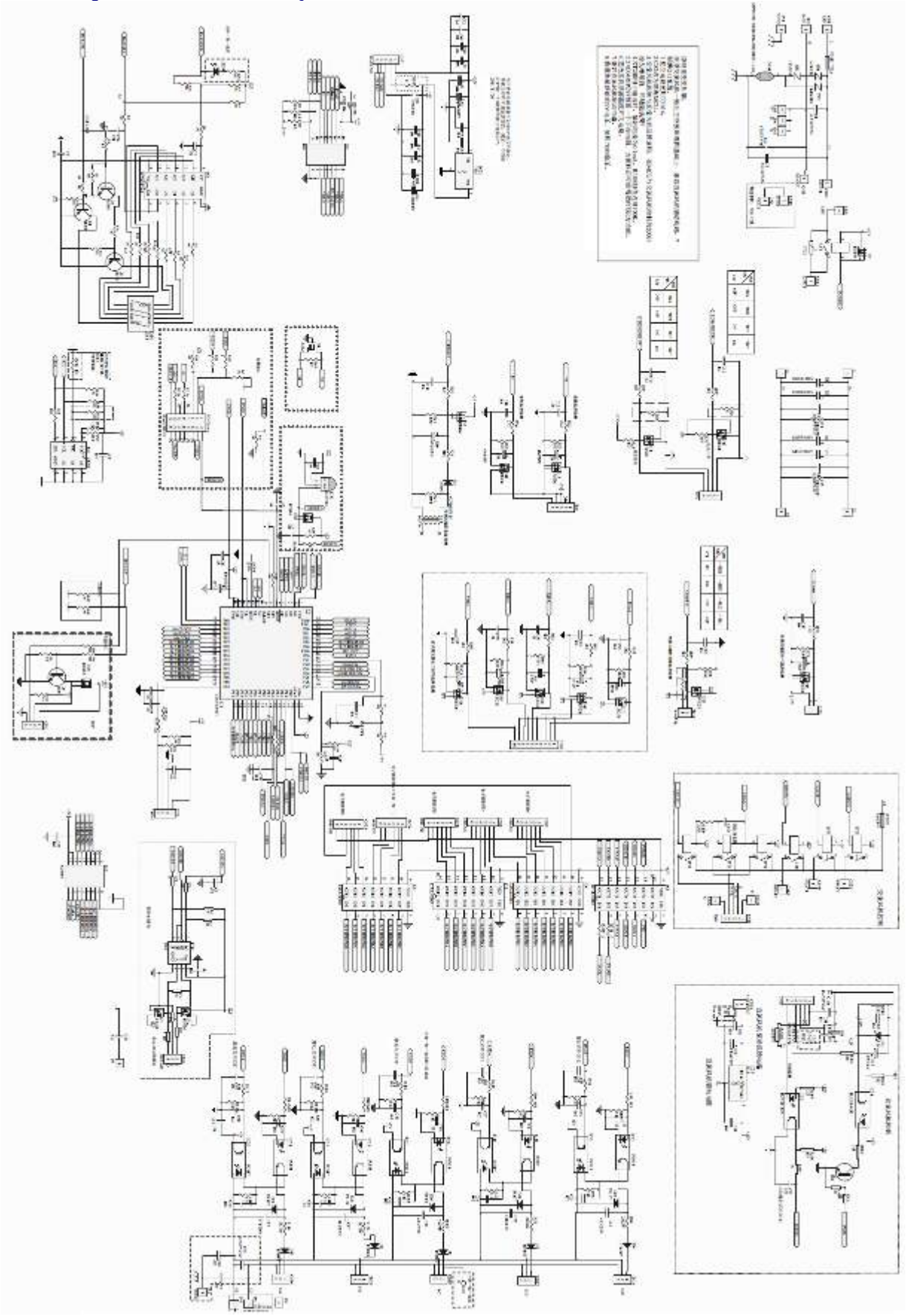
Indoor unit- MS9AI-07HRFN1-QRC8

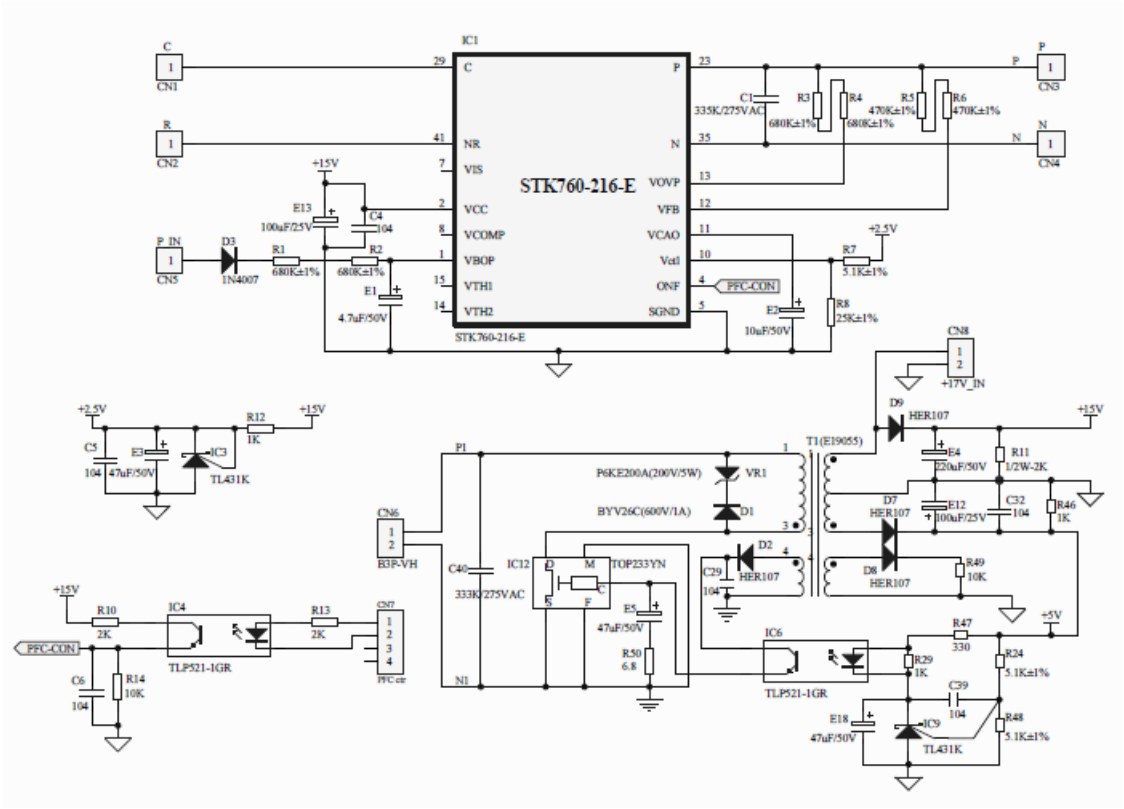


Indoor unit- MS9AU-18HRFN1-QRC8W



Circuit diagram: M5OC-36HFN1-Q

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VCC
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VBOP
VTH1
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P
N
VOVP
VFB
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Vctl
ONF
SGND
CN1
CN2
CN3
CN4
CN5
P_IN
D3
1N4007
R1
R2
R3
R4
R5
R6
R7
R8
C1
C4
E1
E2
E13
PFC-CON
+15V
+2.5V
CN8
+17V_IN
D9
HER107
T1(EI9055)
P6KE200A(200V/5W)
VR1
BYV26C(600V/1A)
D1
D2
D7
D8
E4
E12
R11
R46
C32
R49
R47
R24
R29
C39
R48
E18
IC9
TL431K
IC3
R12
C5
E3
IC4
TLP521-1GR
R10
R13
R14
C6
CN7
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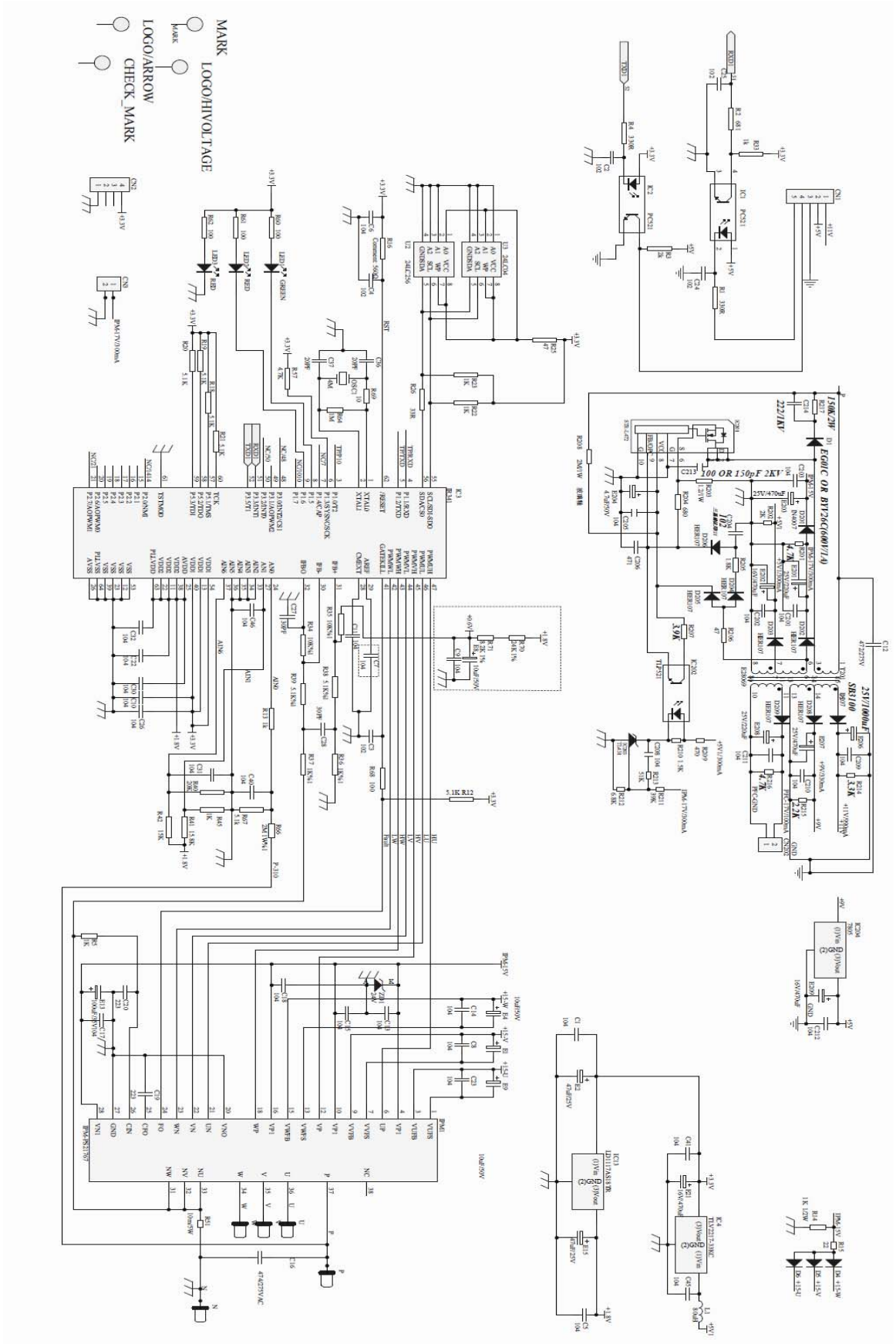
+5V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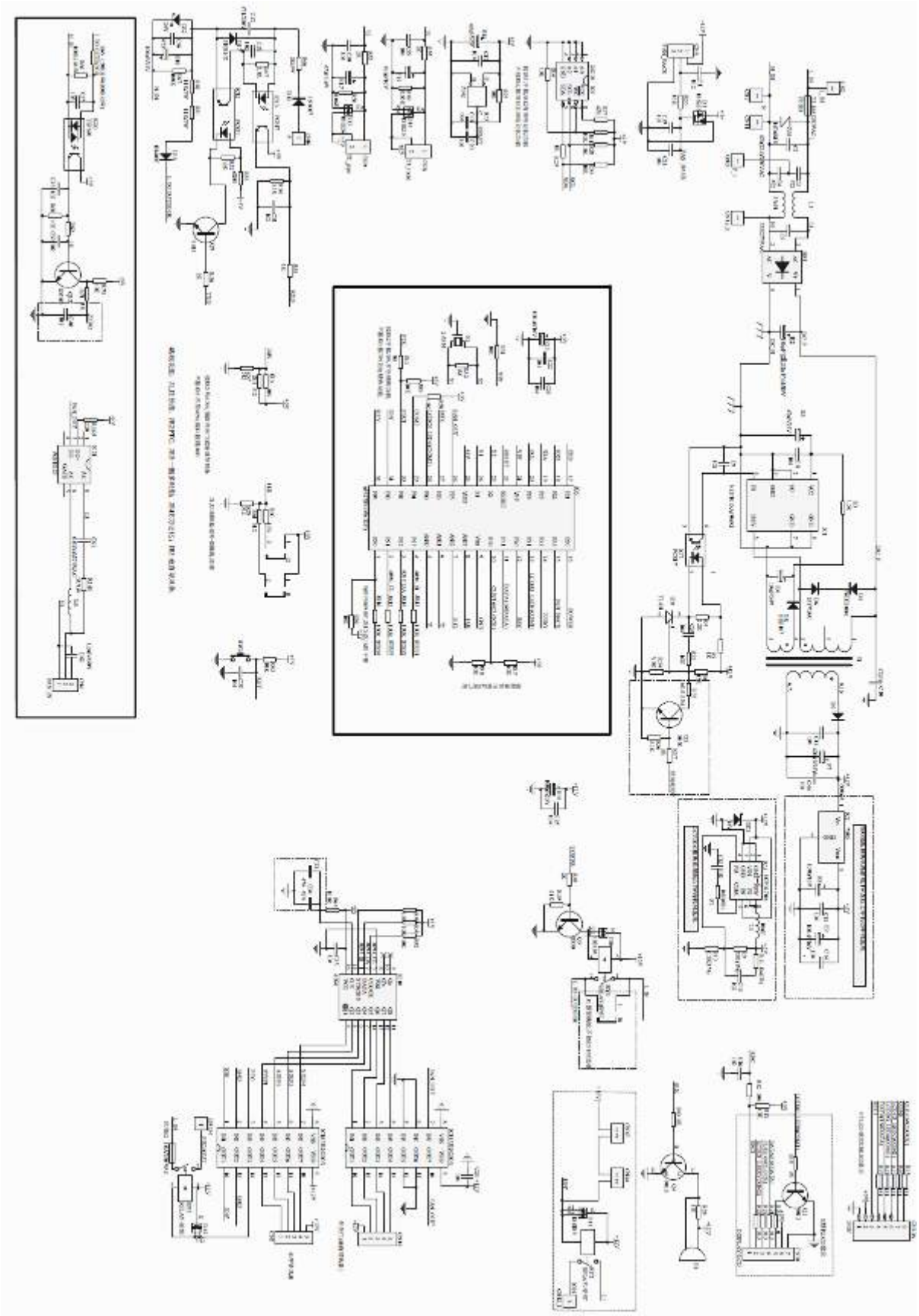
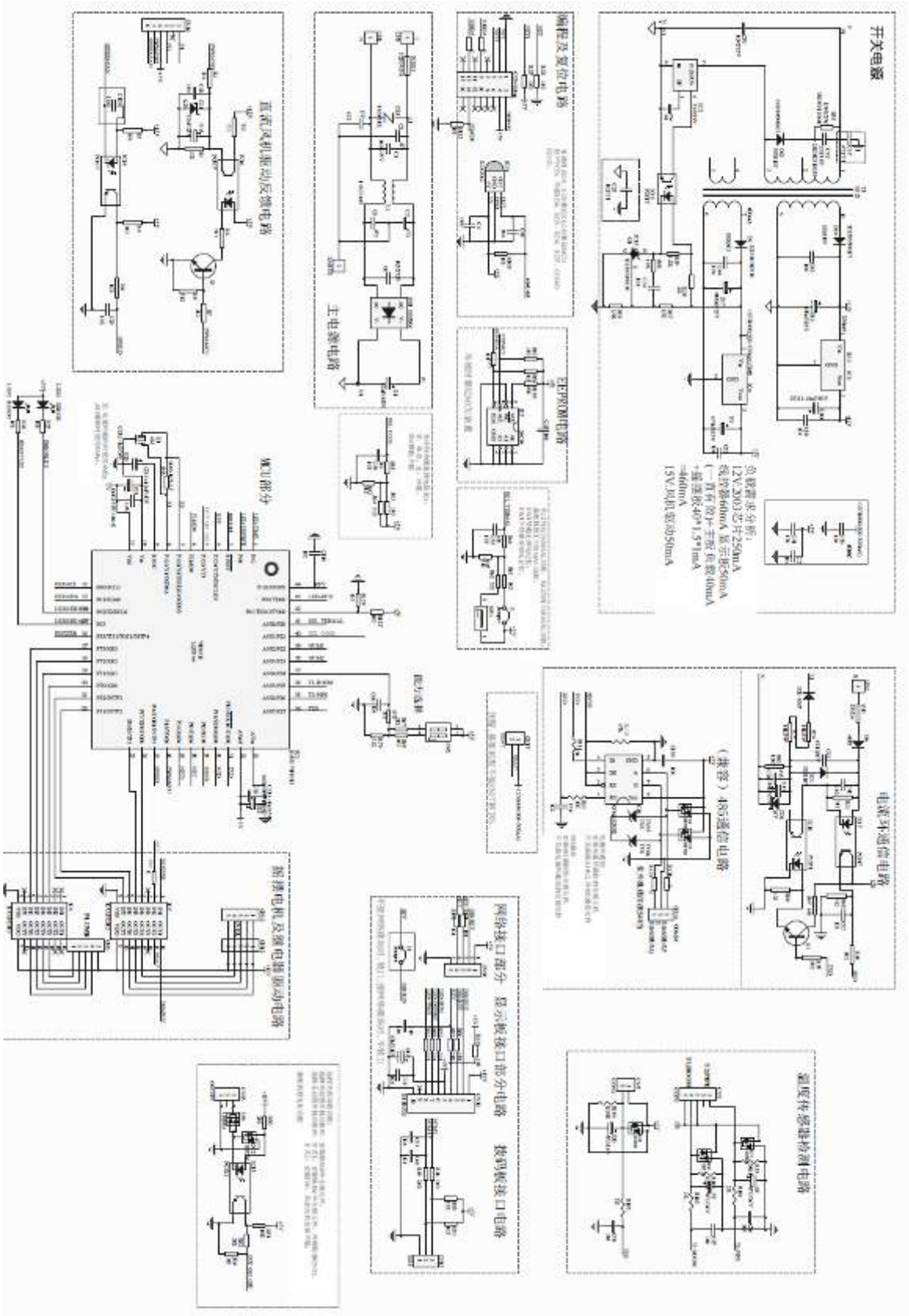
LOGO/HIVOLTAGE
LOGO/ARROW
CHECK_MARK

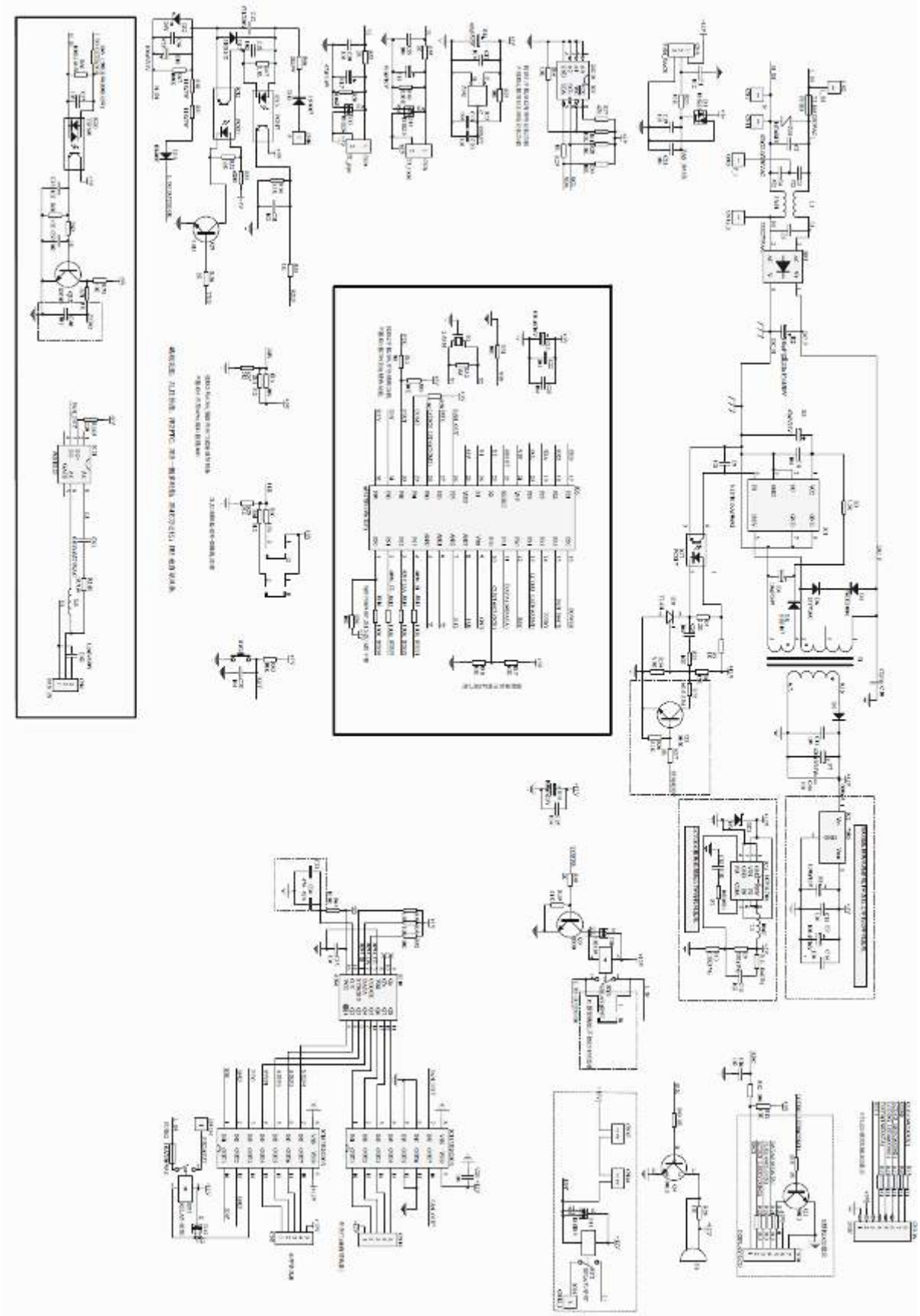
MS12FU series

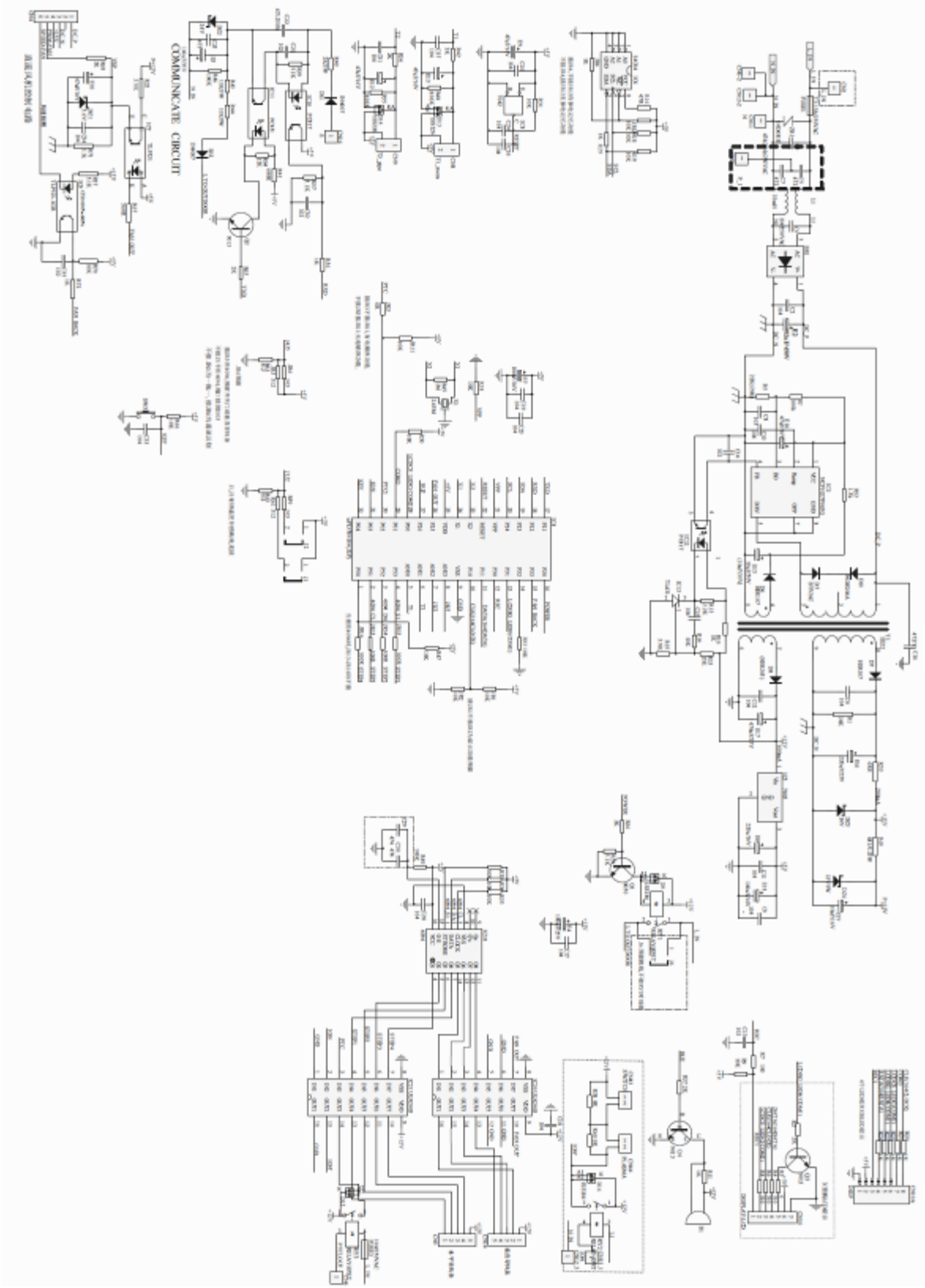


MFAI series

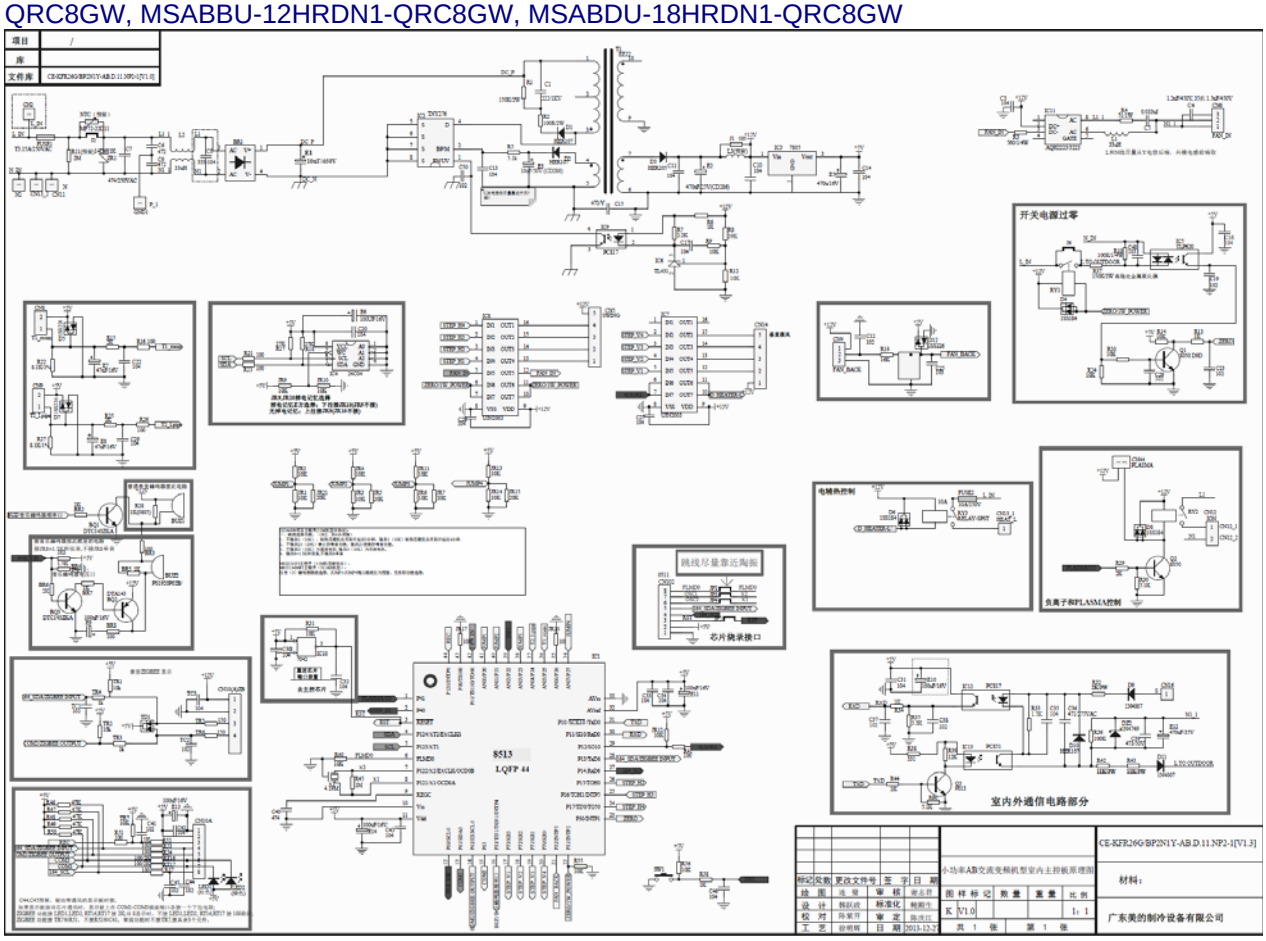


MS12FU series

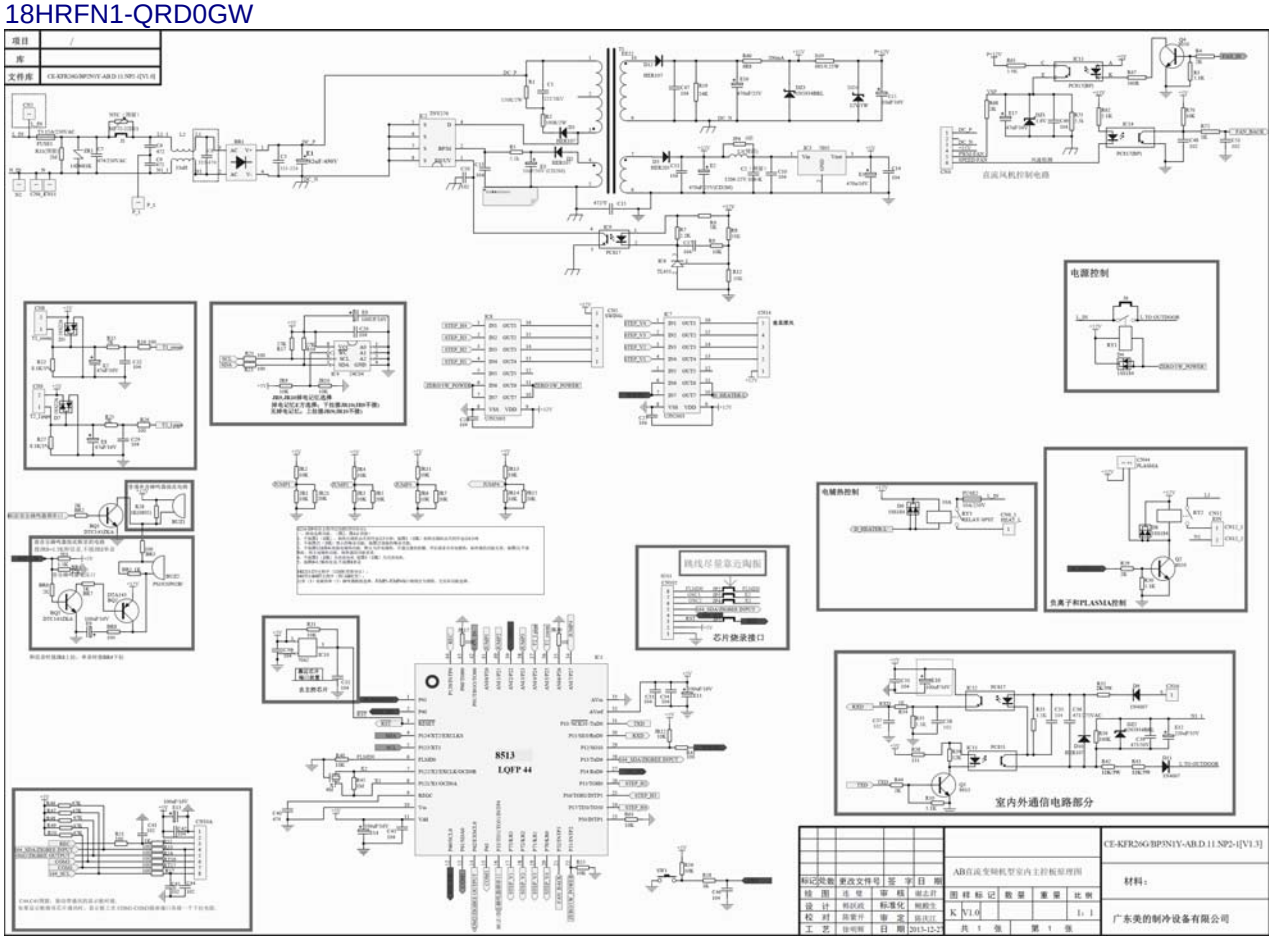



COMMUNICATE CIRCUIT

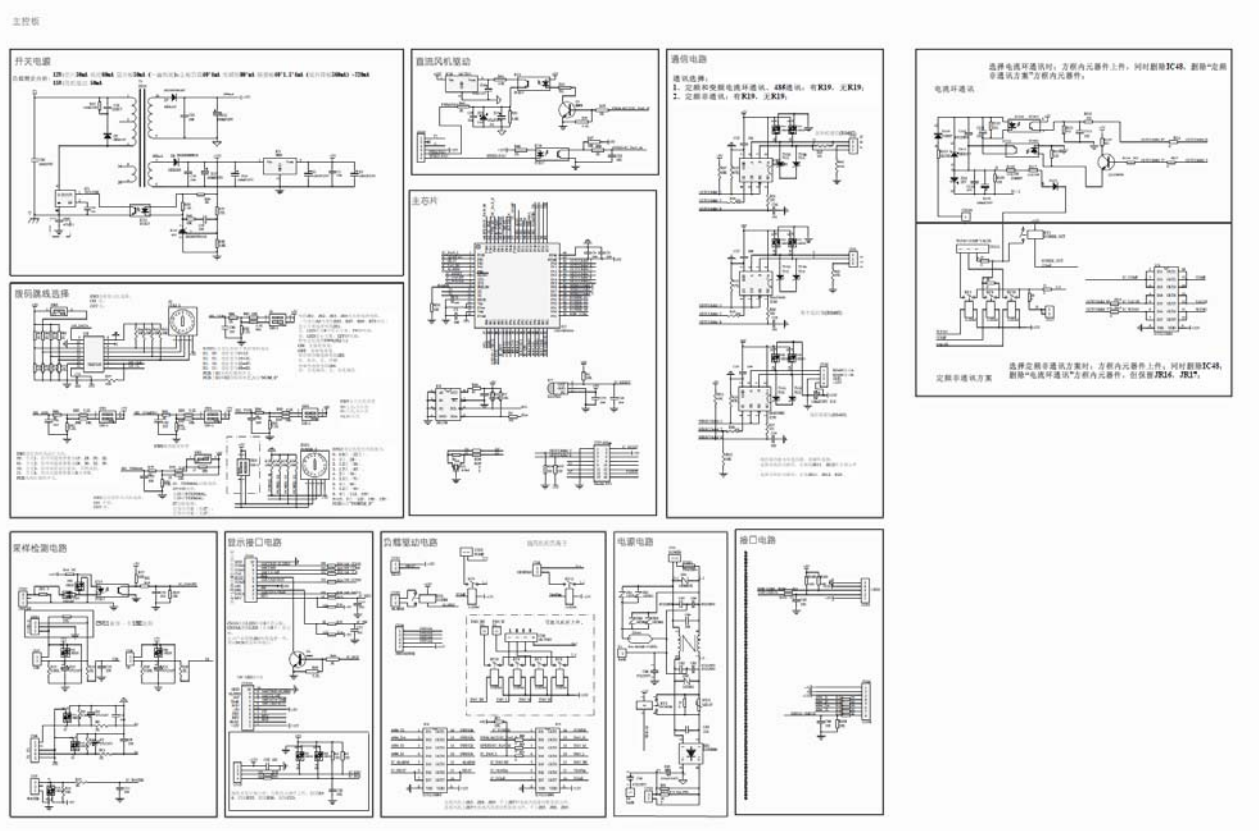
Indoor unit MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(C), MSABAU-09HRDN1-QRC8GW, MSABBU-12HRDN1-QRC8GW, MSABDU-18HRDN1-QRC8GW



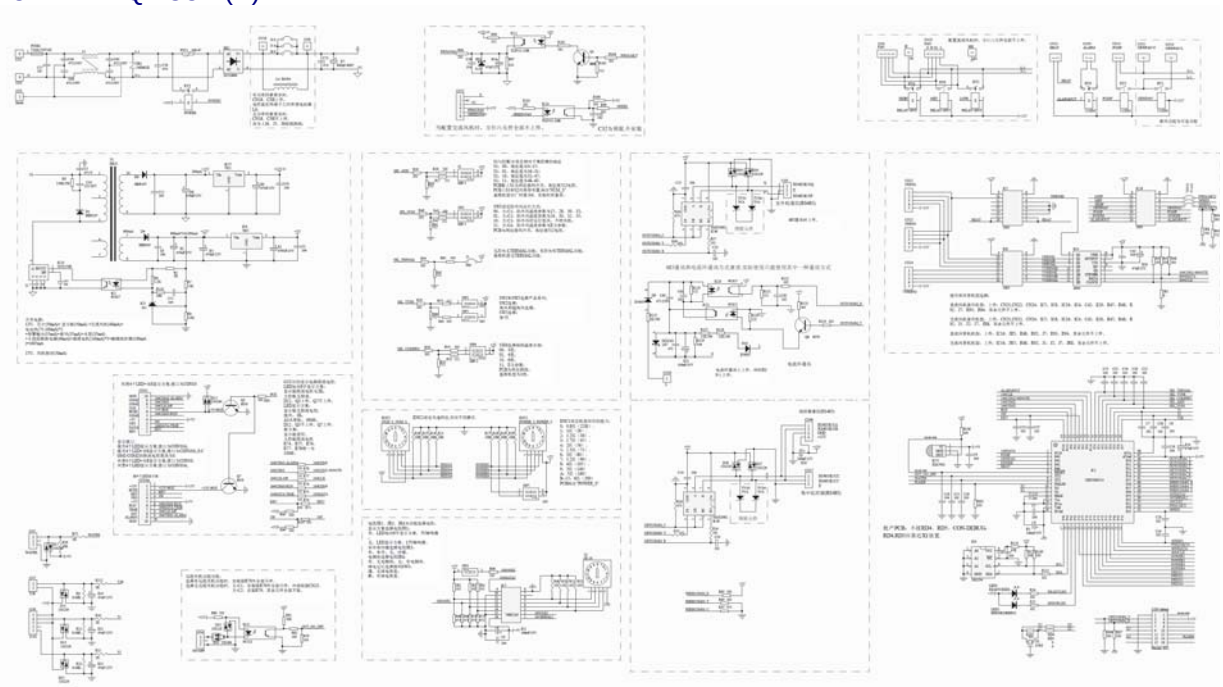
Indoor unit MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW, MSTCCU-18HRFN1-QRD0GW, MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW



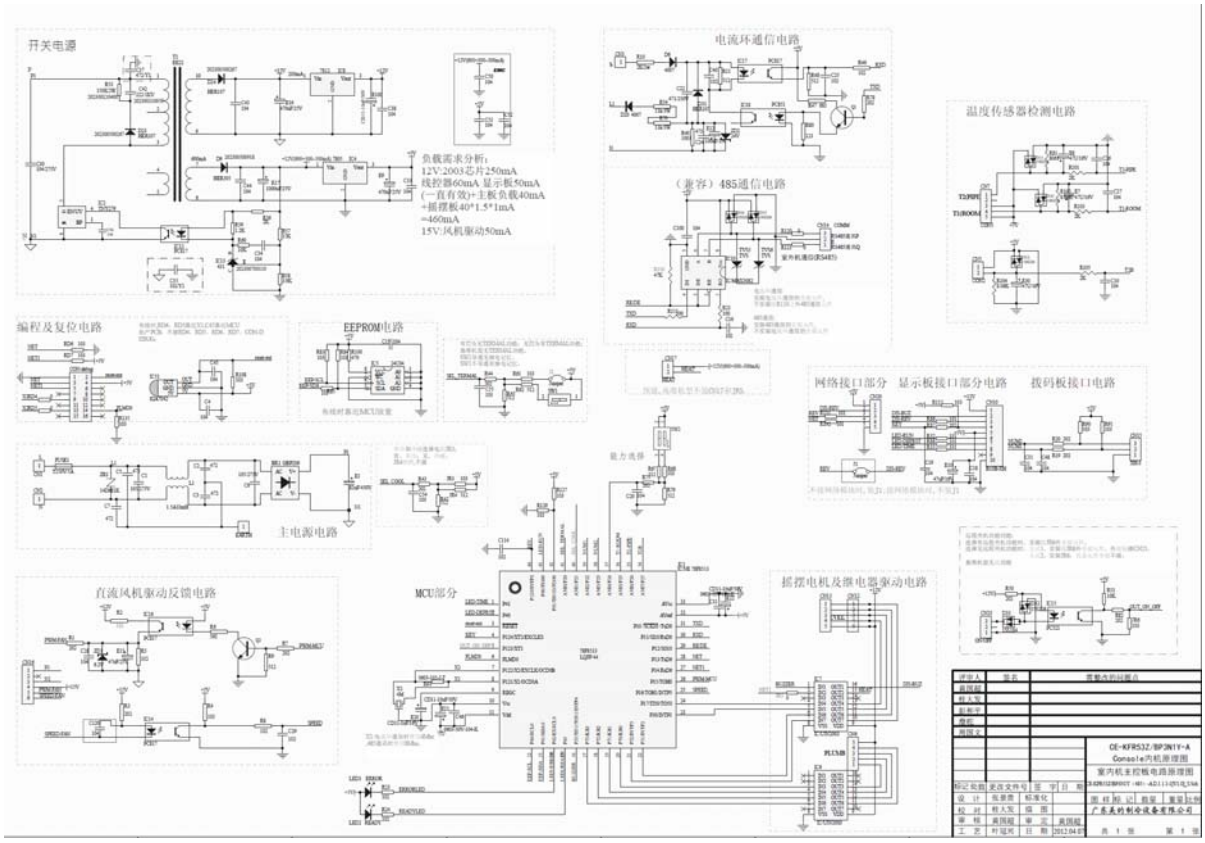
Indoor unit MCA3I-07HRFN1-QRC8, MCA3I-09HRFN1-QRC8, MCA3U-12HRFN1-QRD0W, MCA3I-18HRDN1-QRC8



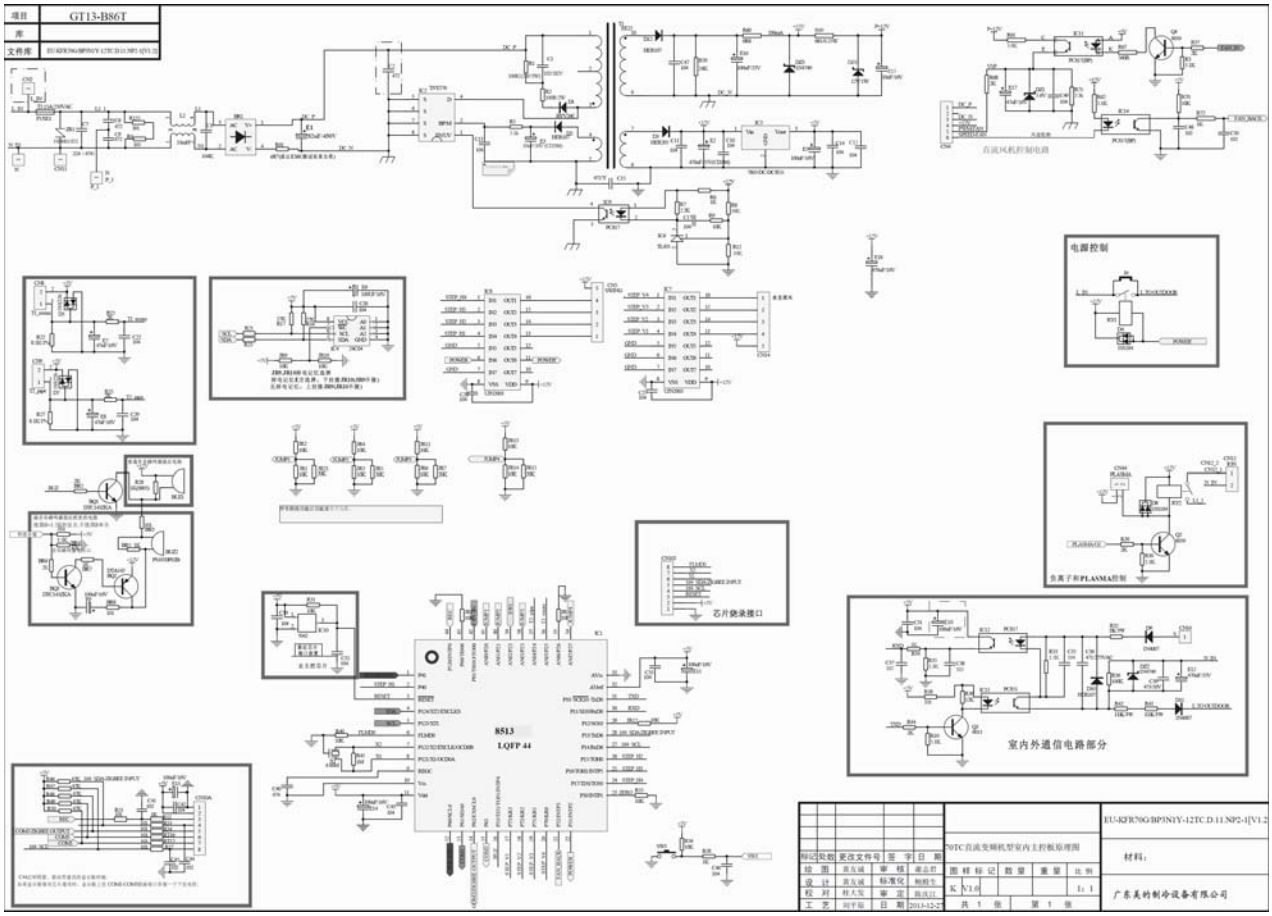
Indoor unit MTBU-12HWFN1-QRD0W, MTBU-12HRFN1-QRC8W(B), MTB-18HWFN1-QRC8W(B), MUE-18HRFN1-QRC8W(B)



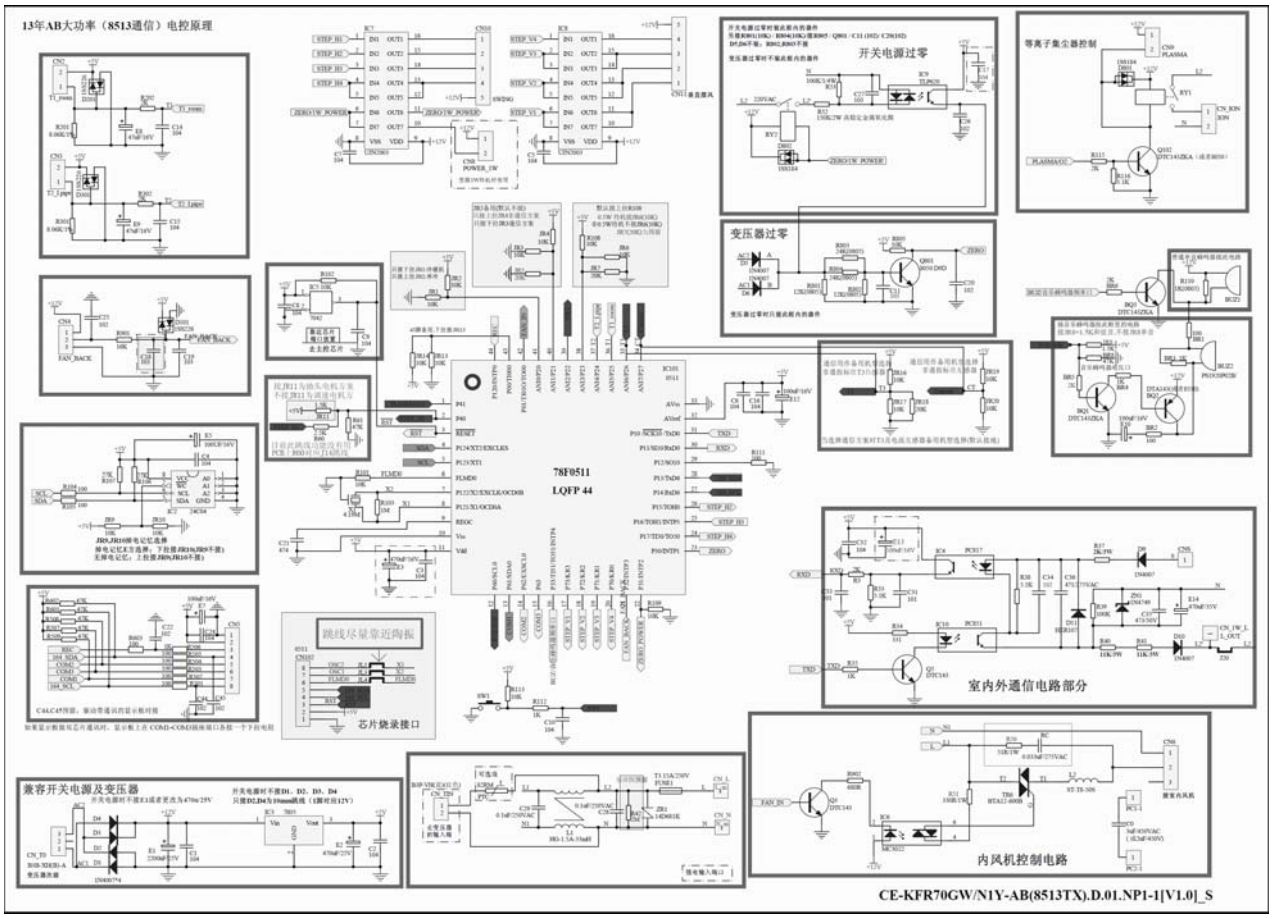
Indoor unit MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B)



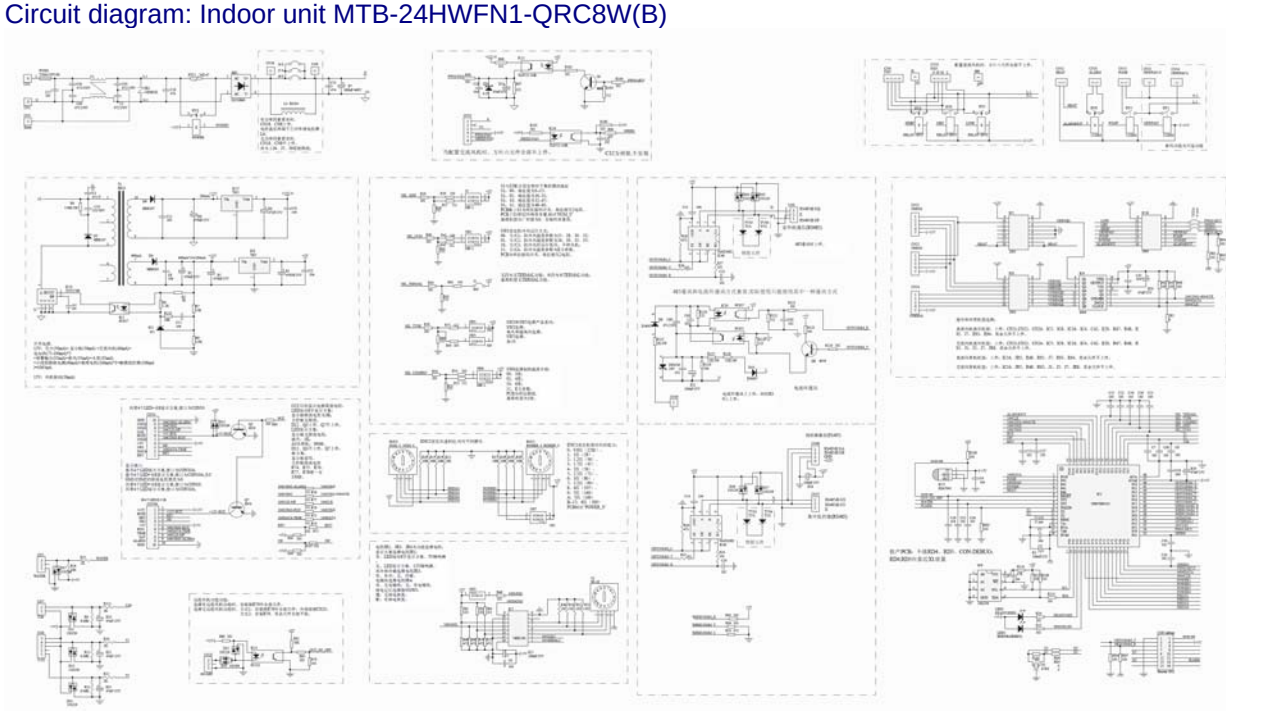
Circuit diagram: Indoor unit MSTCDU-24HRFN1-QRD0GW, MSABEU-24HRFN1-QRD0GW, MSMBDU-24HRFN1-QRD0GW



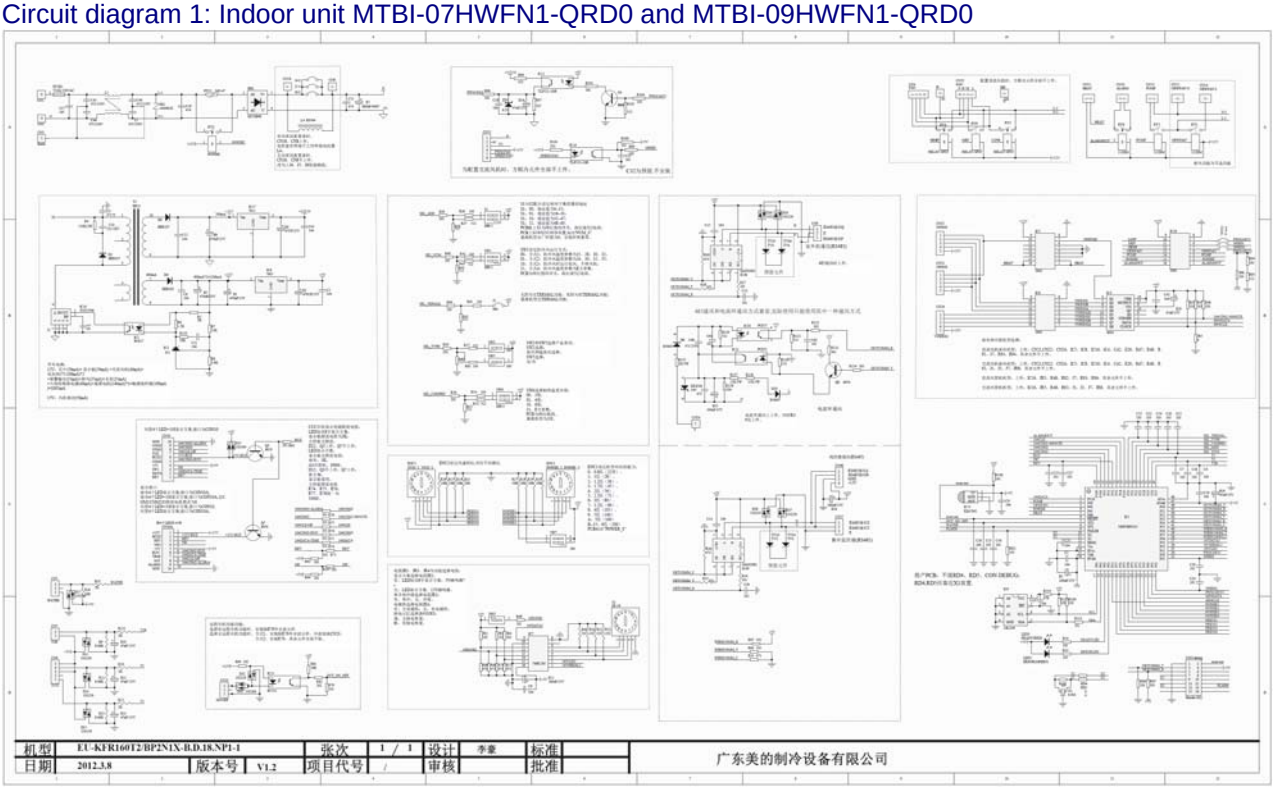
Circuit diagram: Indoor unit MSABEU-24HRDN1-QRC8GW



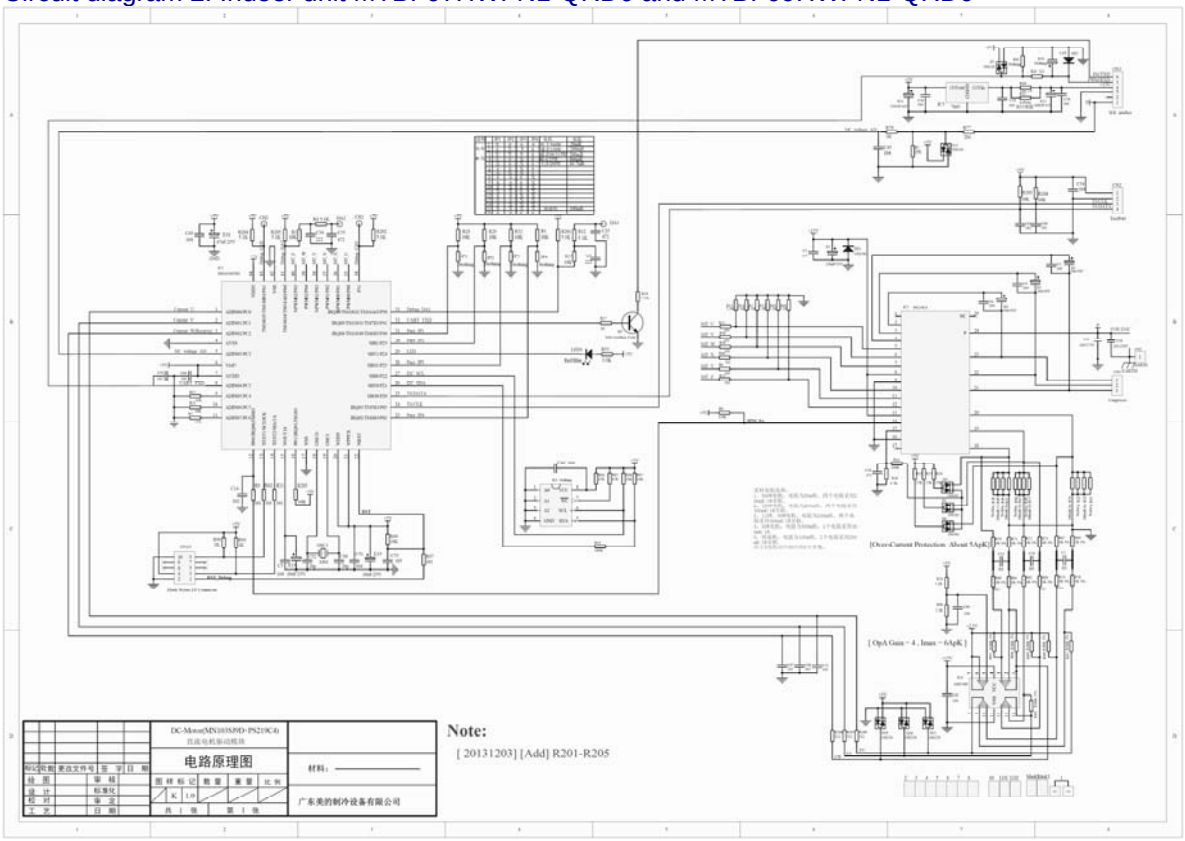
Circuit diagram: Indoor unit MTB-24HWFN1-QRC8W(B)



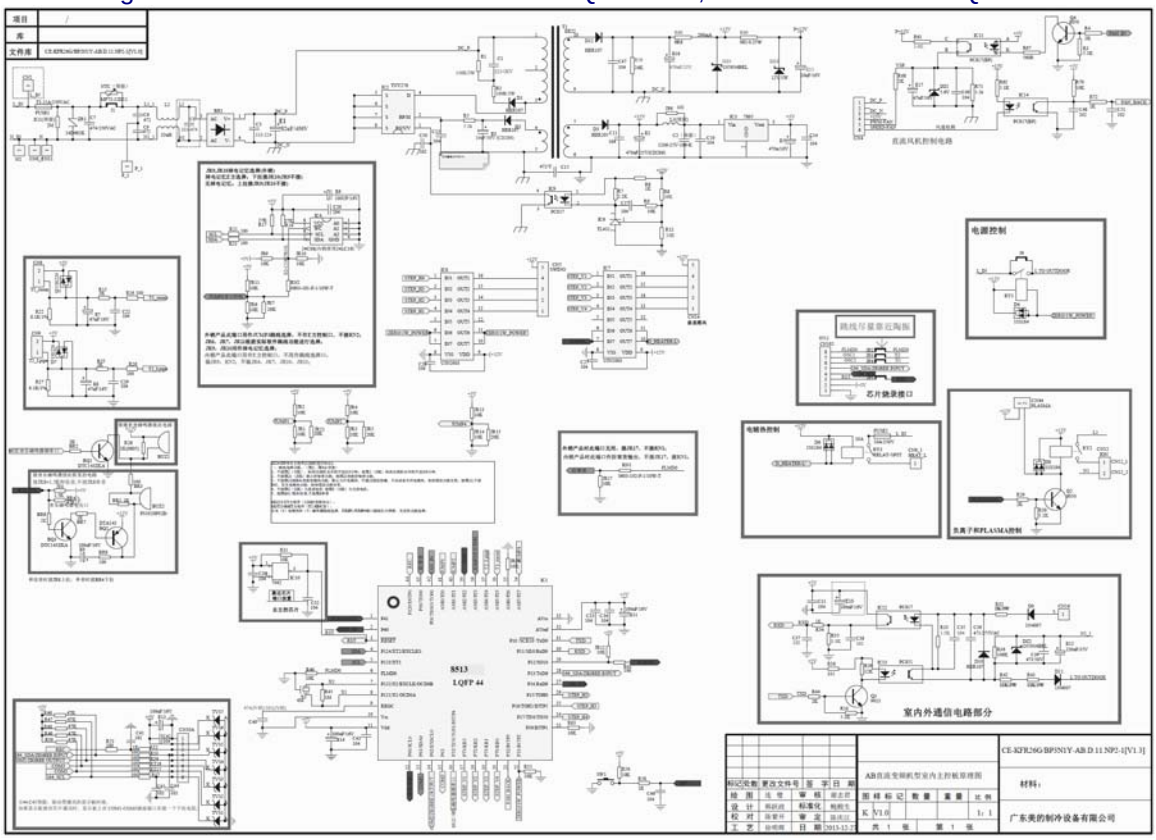
Circuit diagram 1: Indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0



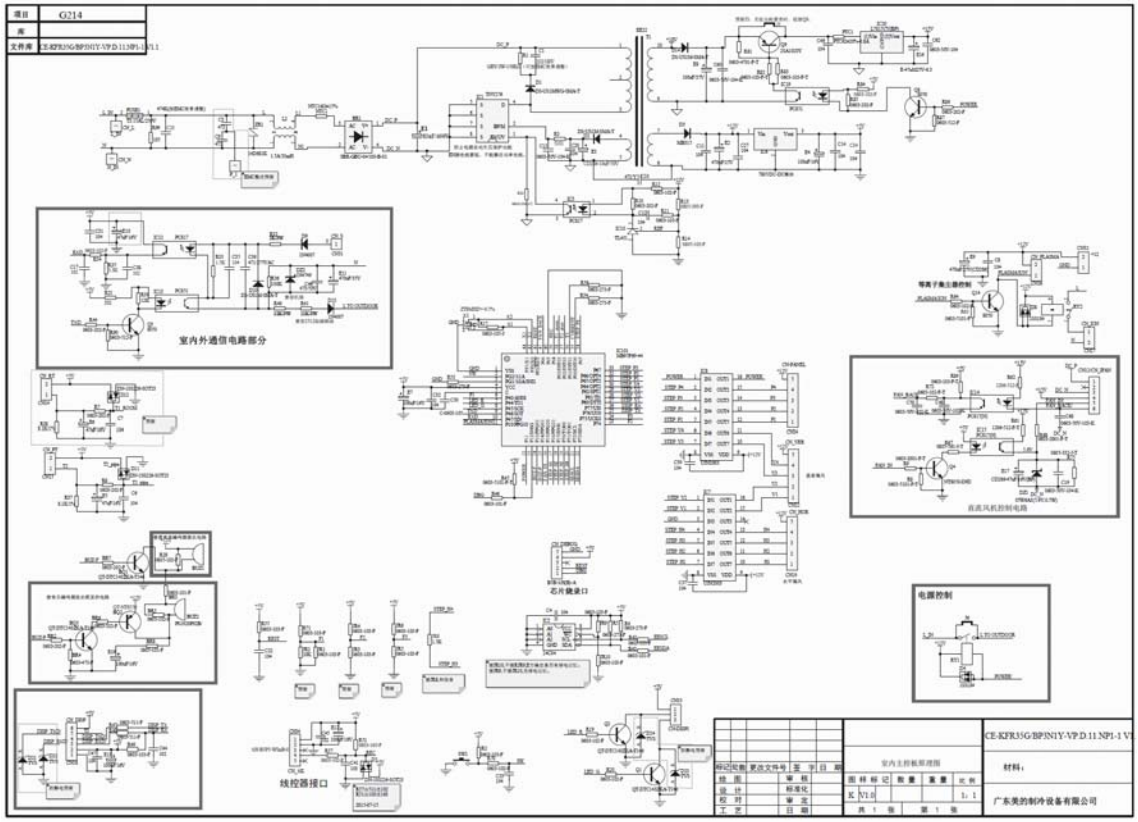
Circuit diagram 2: Indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0



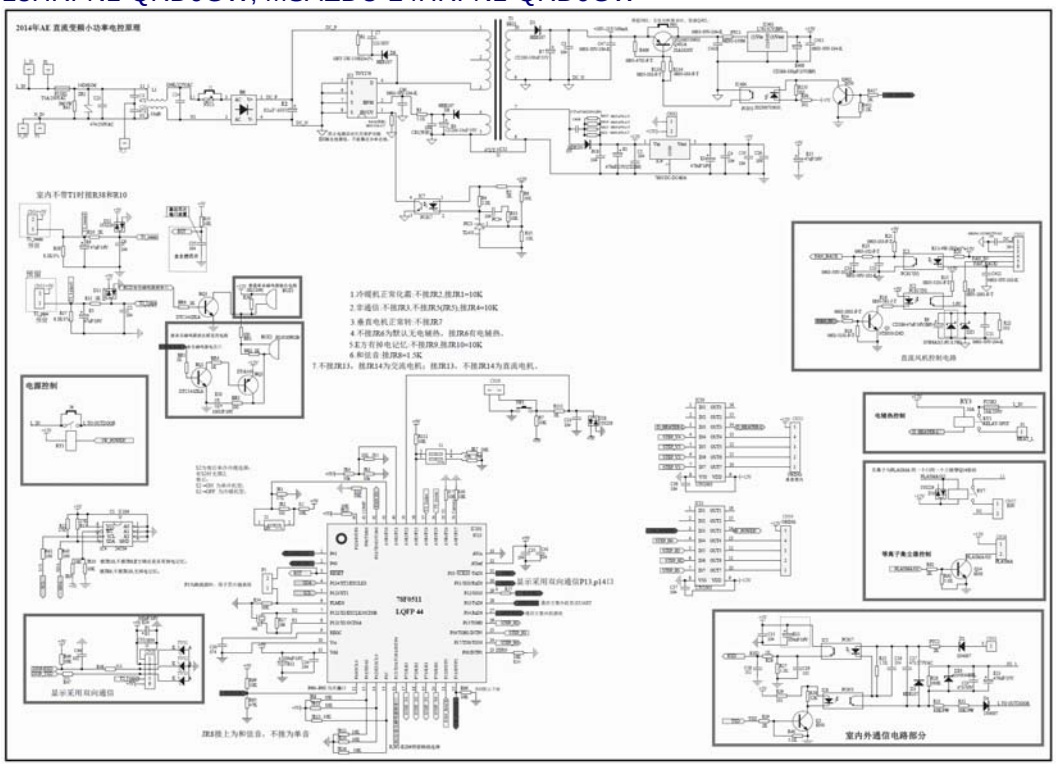
Circuit diagram: Indoor unit MS11MU-09HRFN1-QRD1GW, MS11MU-12HRFN1-QRD1GW



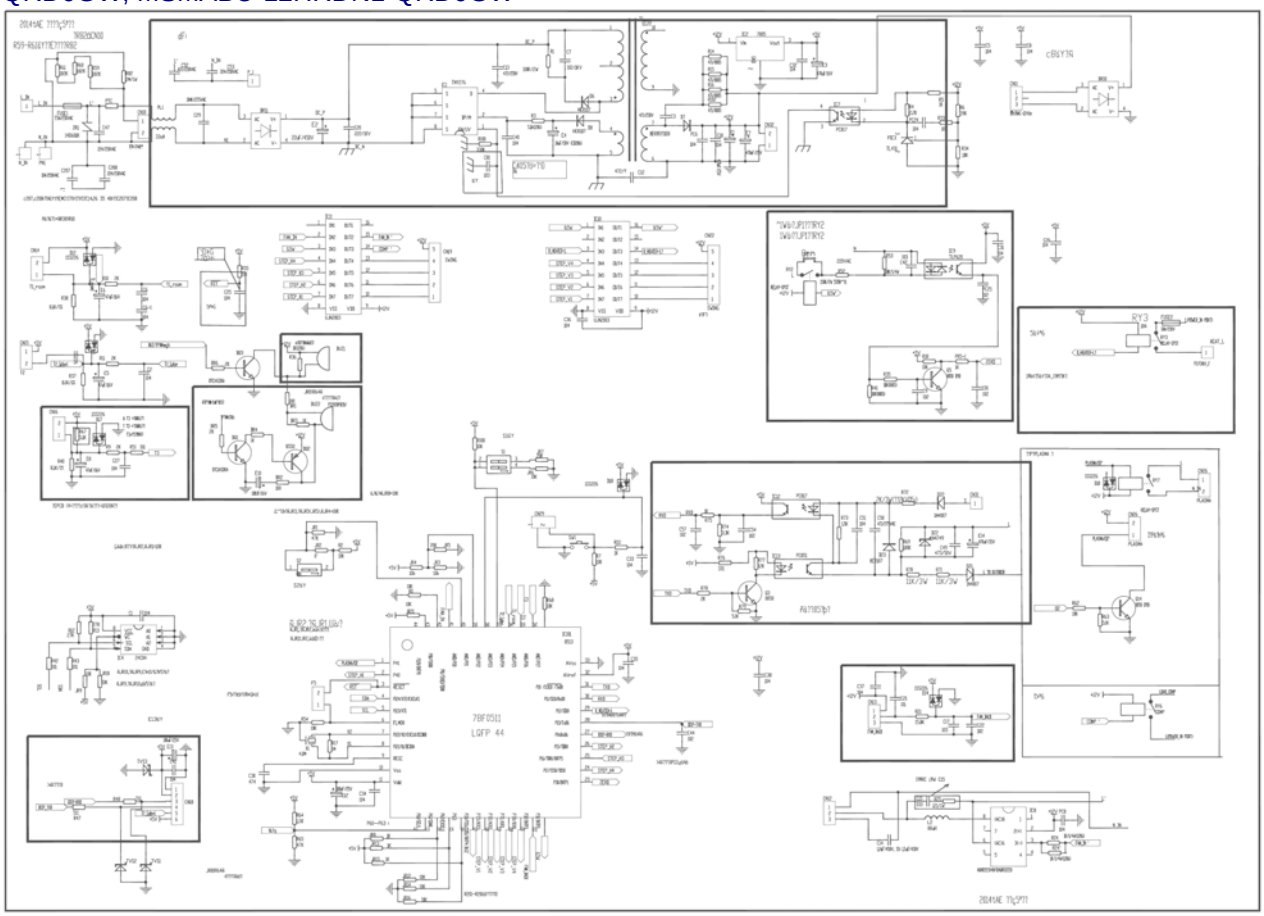
Circuit diagram: Indoor unit MSVPBU-09HRFN1-QRD0GW, MSVPBU-12HRFN1-QRD0GW, MSVPCU-18HRFN1-QRD0GW, MSVPDU-24HRFN1-QRD0GW



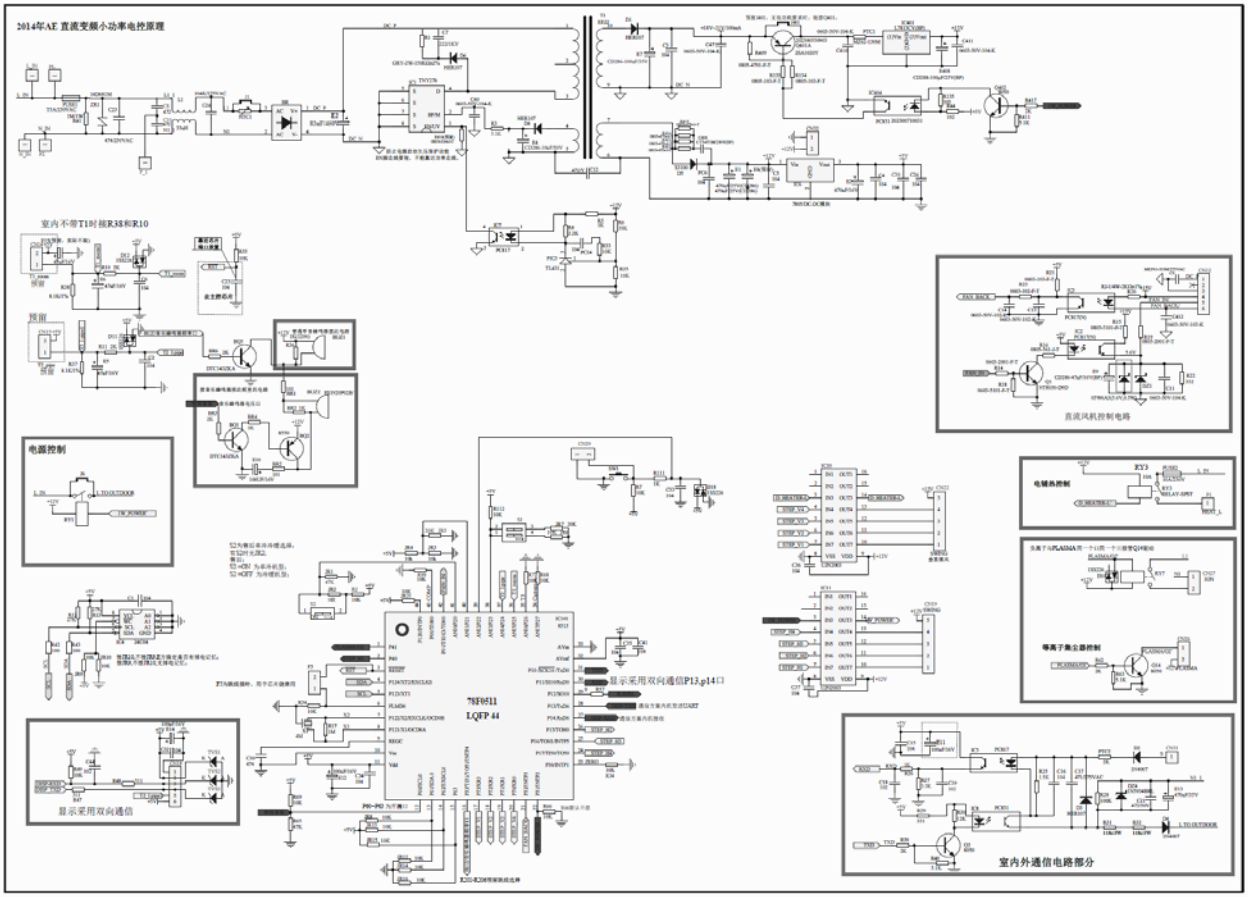
Circuit diagram: Indoor unit MSAEAU-09HRFN1-QRD0GW, MSAEBU-12HRFN1-QRD0GW, MSAECU-18HRFN1-QRD0GW, MSAEDU-24HRFN1-QRD0GW



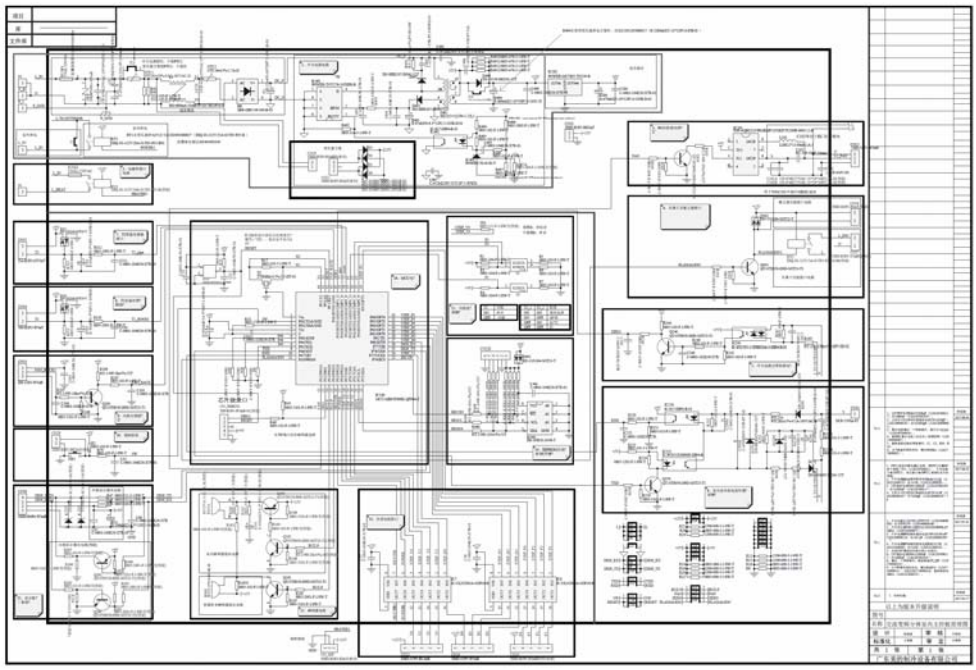
Circuit diagram: MSAFAU-09HRDN1-QRD0GW, MSAFBU-12HRDN1-QRD0GW, MSMAAU-09HRDN1-QRD0GW, MSMABU-12HRDN1-QRD0GW



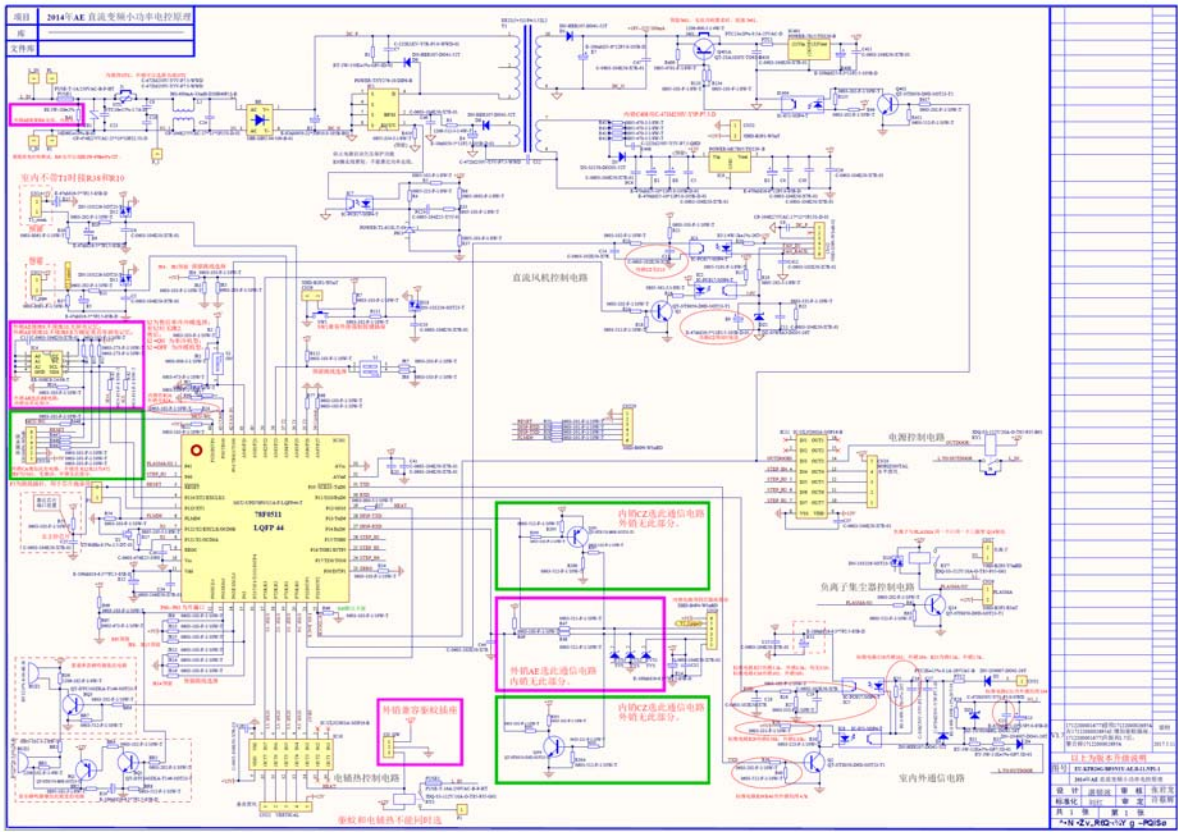
Circuit diagram: MSAFCU-18HRFN1-QRD0GW, MSAFDU-24HRFN1-QRD0GW, MSMACU-18HRFN1-QRD0GW, MSMADU-24HRFN1-QRD0GW



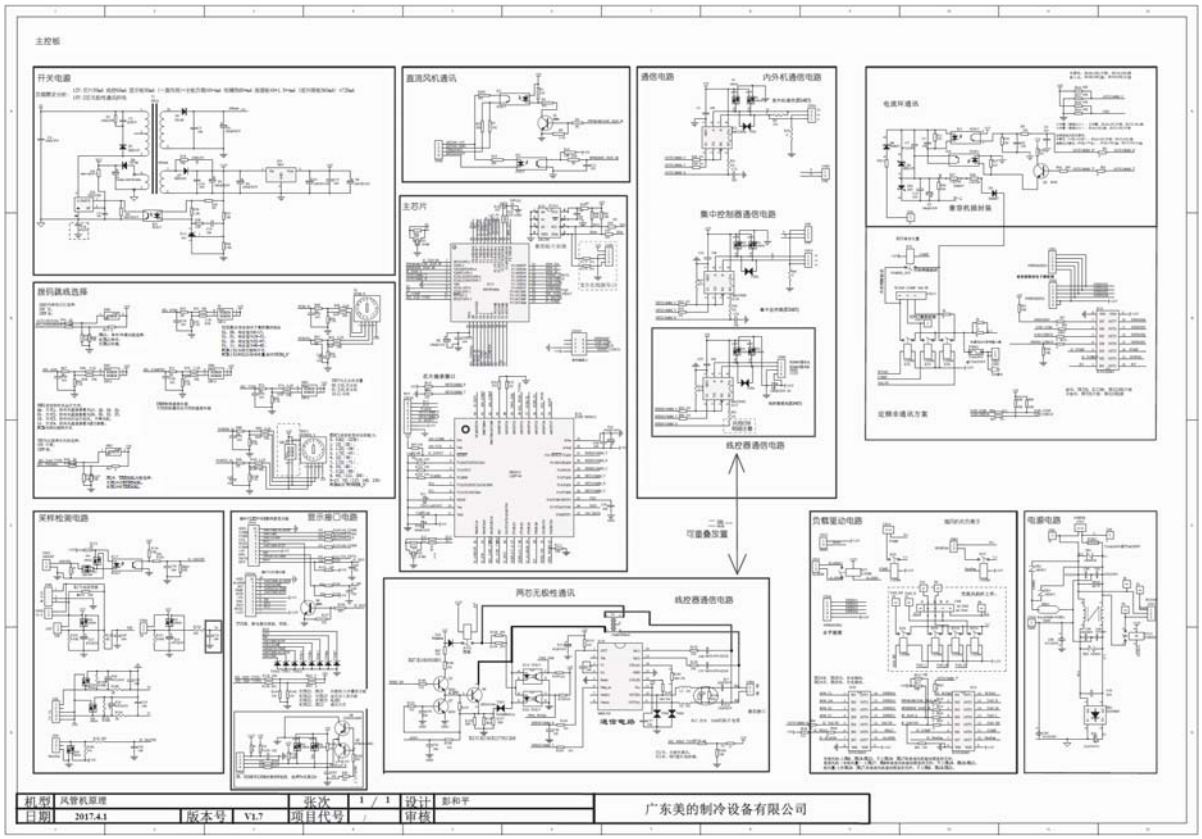
Circuit diagram: MSAFBU-07HRDN1-QRD0GW, MSAFBU-07HRDN8-QRD0GW, MSAFBU-07HRDNX-QRD0GW, MSAFBU-09HRDN1-QRD0GW, MSAFBU-09HRDN8-QRD0GW, MSAFBU-09HRDNX-QRD0GW; MSAFBU-12HRDN1-QRD0GW, MSAFBU-12HRDN8-QRD0GW, MSAFBU-12HRDNX-QRD0GW;



Circuit diagram: MSAFCU-18HRFN1-QRD0GW, MSAFCU-18HRFN8-QRD0GW, MSAFCU-18HRFNX-QRD0GW; MSAFDU-24HRFN1-QRD0GW, MSAFDU-24HRFN8-QRD0GW, MSAFDU-24HRFNX-QRD0GW;



Circuit diagram: MTIU-07HWFN1-QRD0W, MTIU-07HWFN8-QRD0W, MTIU-07HWFNX-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-09HWFN8-QRD0W, MTIU-09HWFNX-QRD0W, MTIU-12HWFN1-QRD0W, MTIU-12HWFN8-QRD0W, MTIU-12HWFNX-QRD0W.



---End of Attachment 3---

Attachment 4

Type of equipment, model: Air-conditioner, see below

Details of: General view of outdoor unit (M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

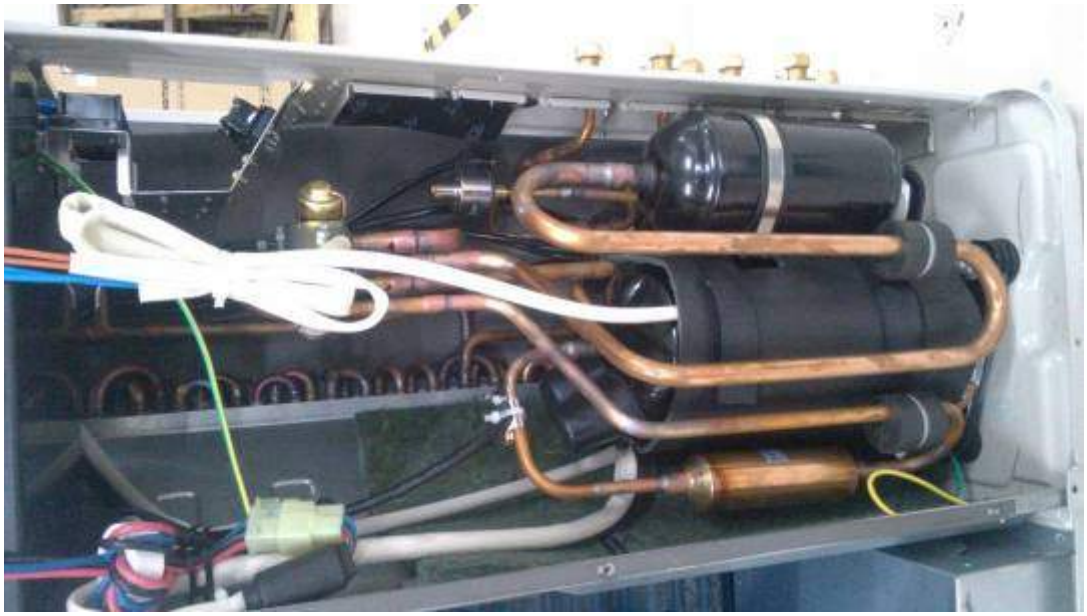
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Inner view of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

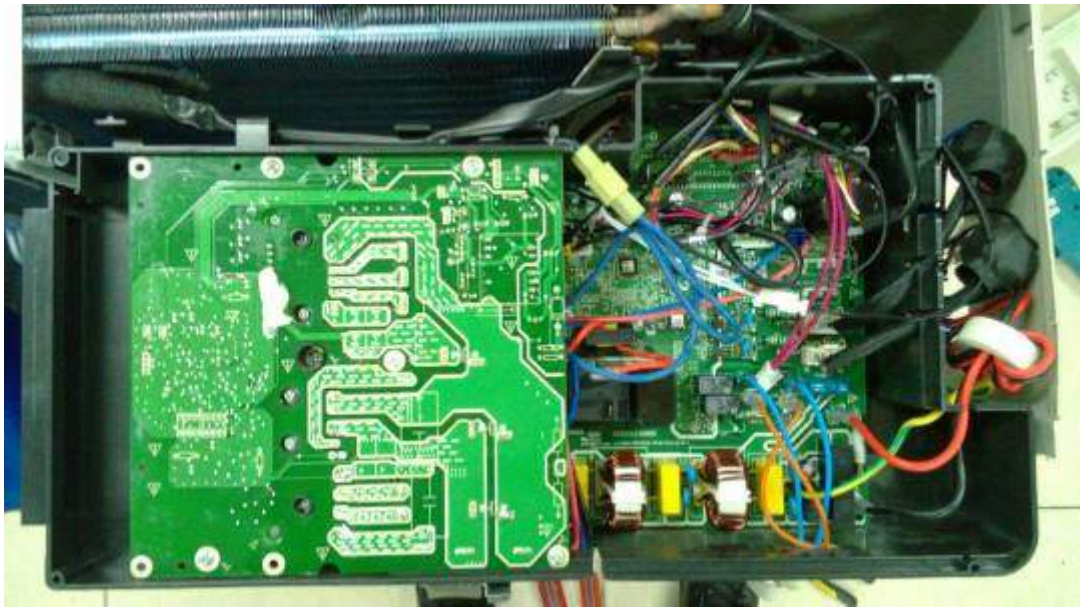
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: PCB 1 of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB 1 lay-out of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

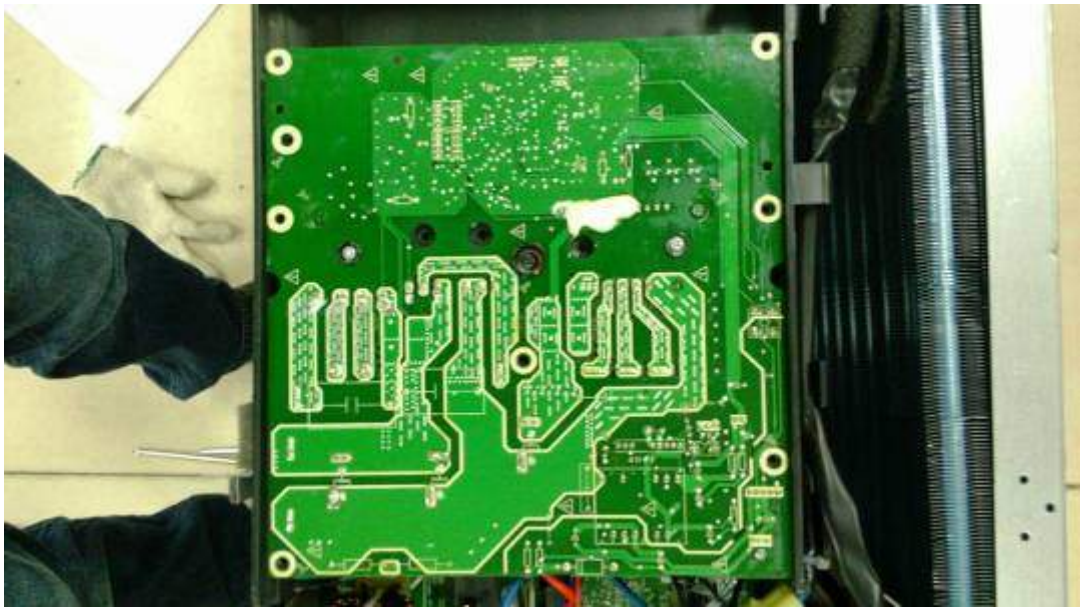
☐ rear

☐ right

☐ left

☐ top

☐ bottom

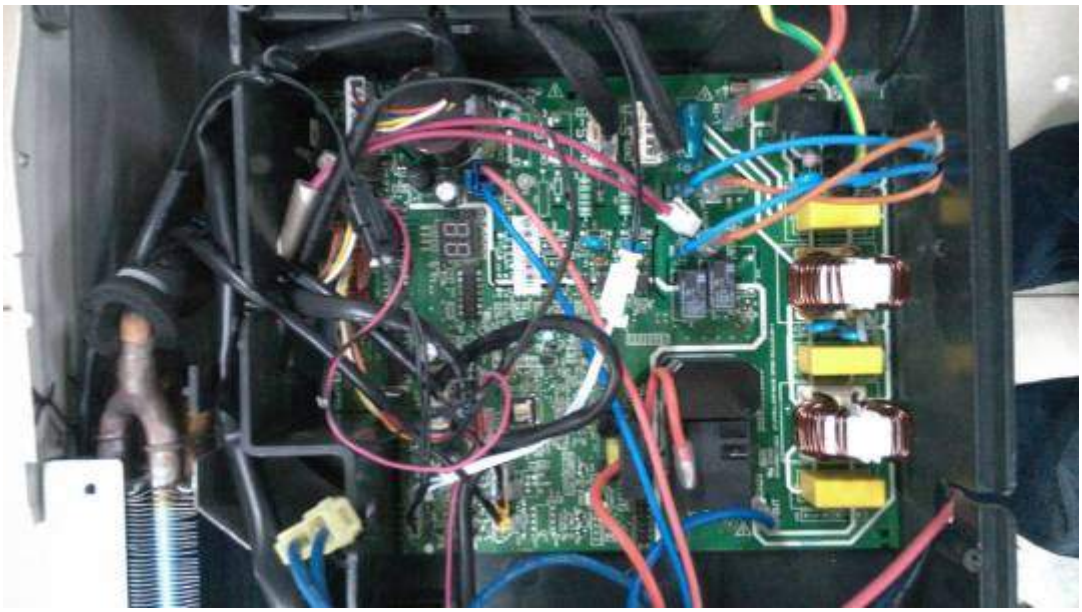


Attachment 4

Details of: PCB 2 of outdoor unit (M2OD-18HFN1-Q)

View:

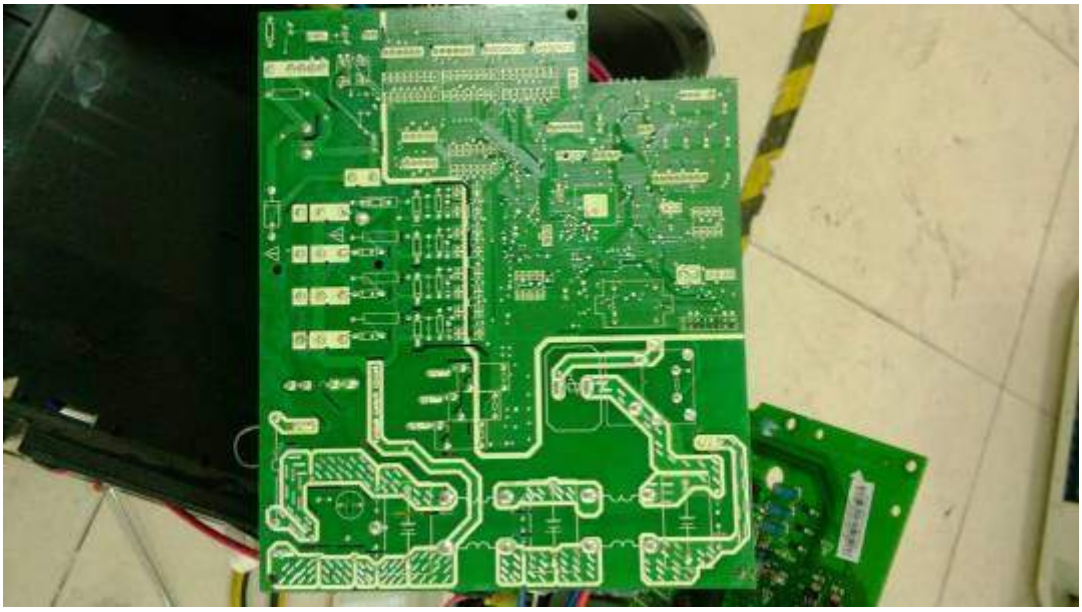
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: PCB 2 lay-out of outdoor unit(M2OD-18HFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Terminal block of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

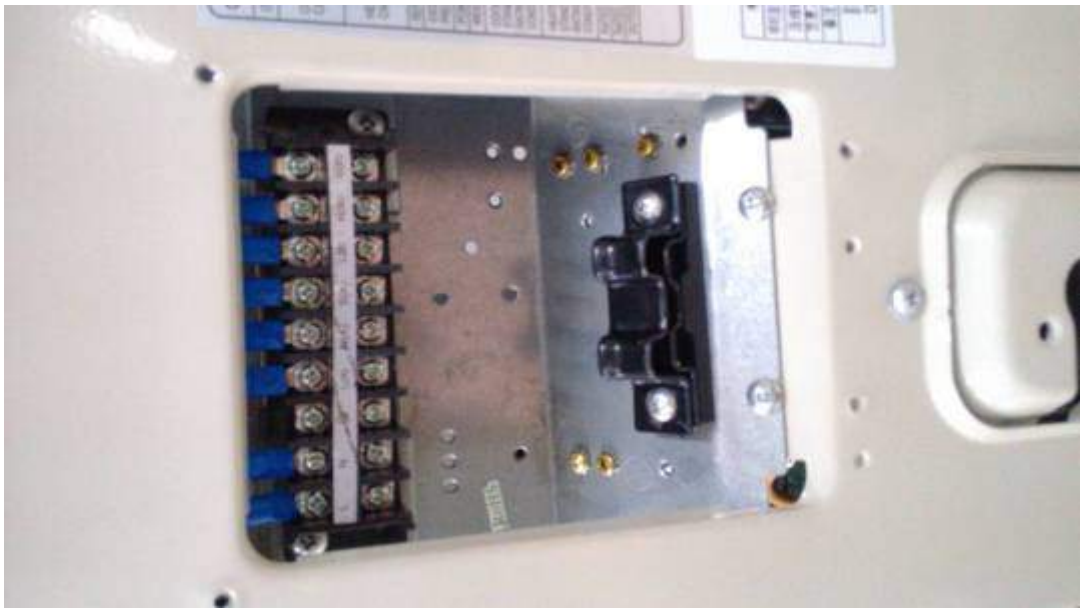
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of outdoor unit (M3OD-27HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M3OD-27HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M3OD-27HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M3OD-27HFN1-Q)

View:

☒ general

☐ front

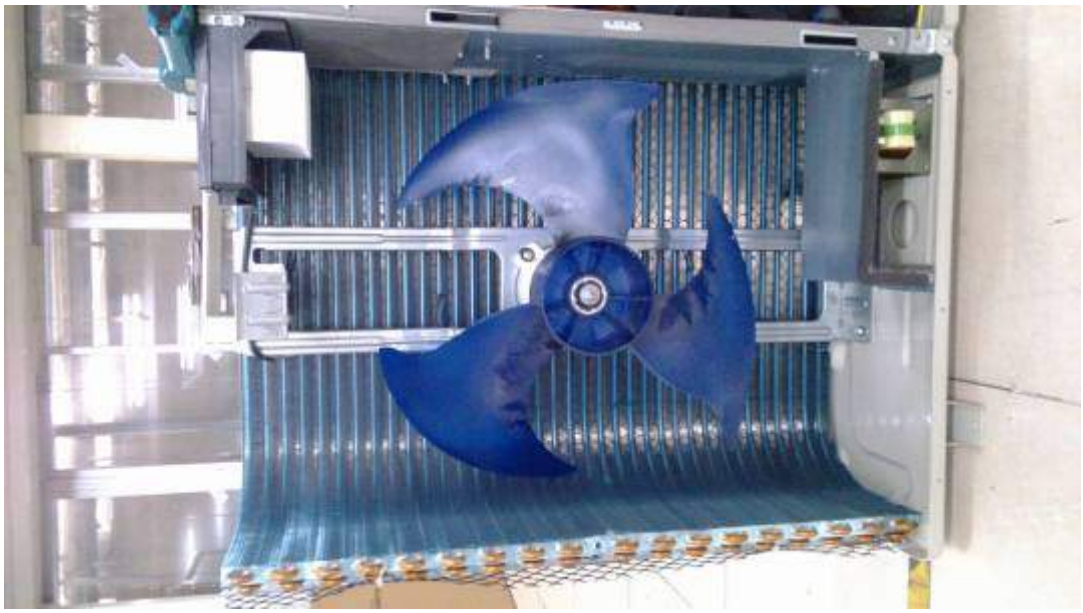
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Inner view of outdoor unit (M3OD-27HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M3OD-27HFN1-Q)

View:

☒ general

☐ front

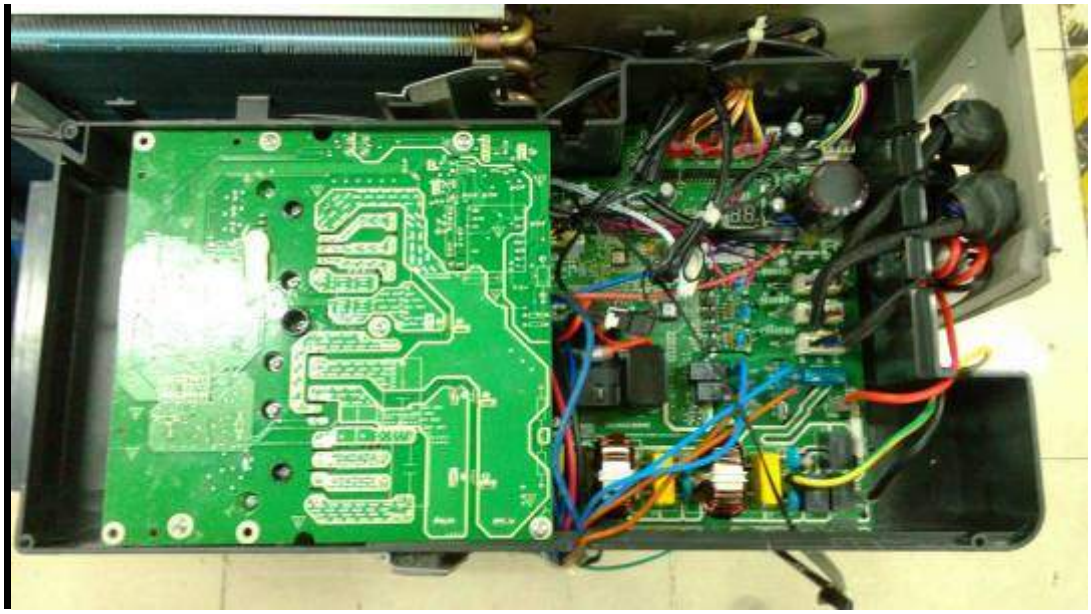
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB 1 of outdoor unit(M3OD-27HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB 1 lay-out of outdoor unit(M3OD-27HFN1-Q)

View:

☒ general

☐ front

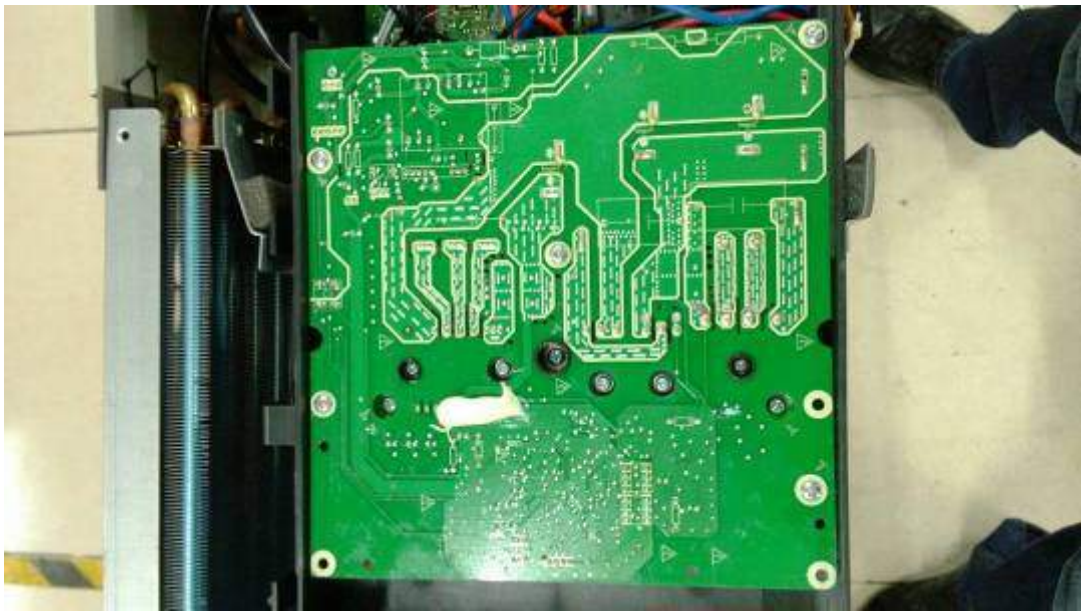
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB 2 of outdoor unit(M3OD-27HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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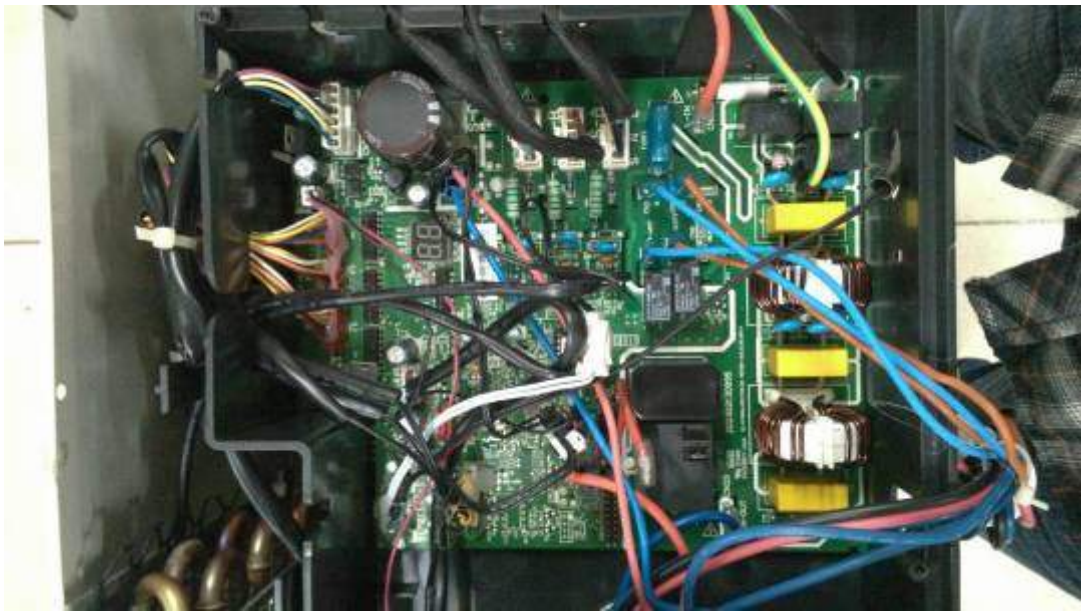
☐ bottom



Attachment 4

Details of: PCB 2 lay-out of outdoor unit(M3OD-27HFN1-Q)

View:

☒ general

☐ front

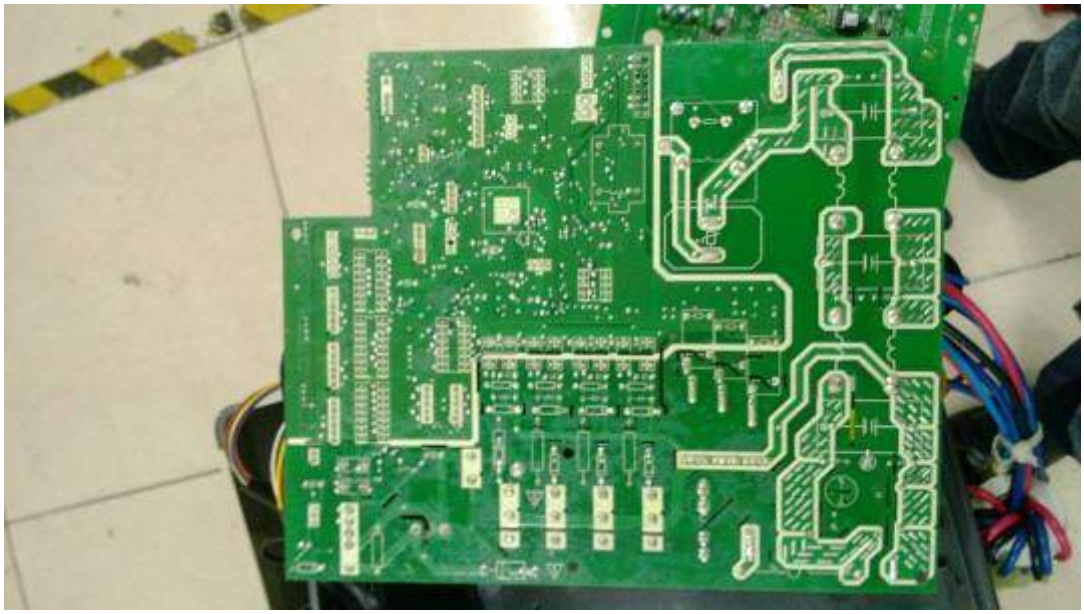
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Terminal block of outdoor unit(M3OD-27HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

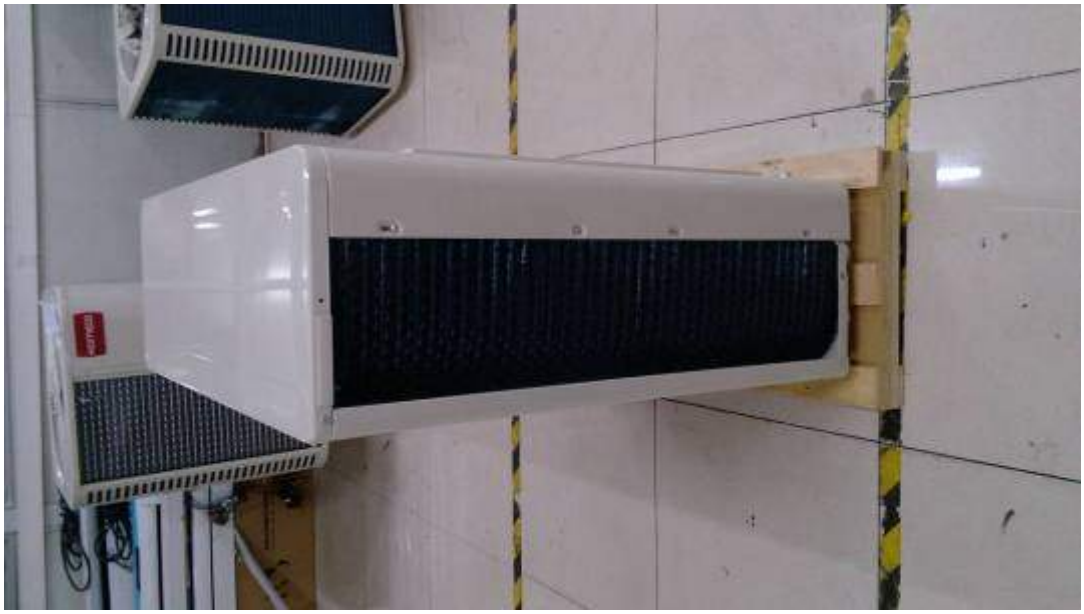
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Inner view of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

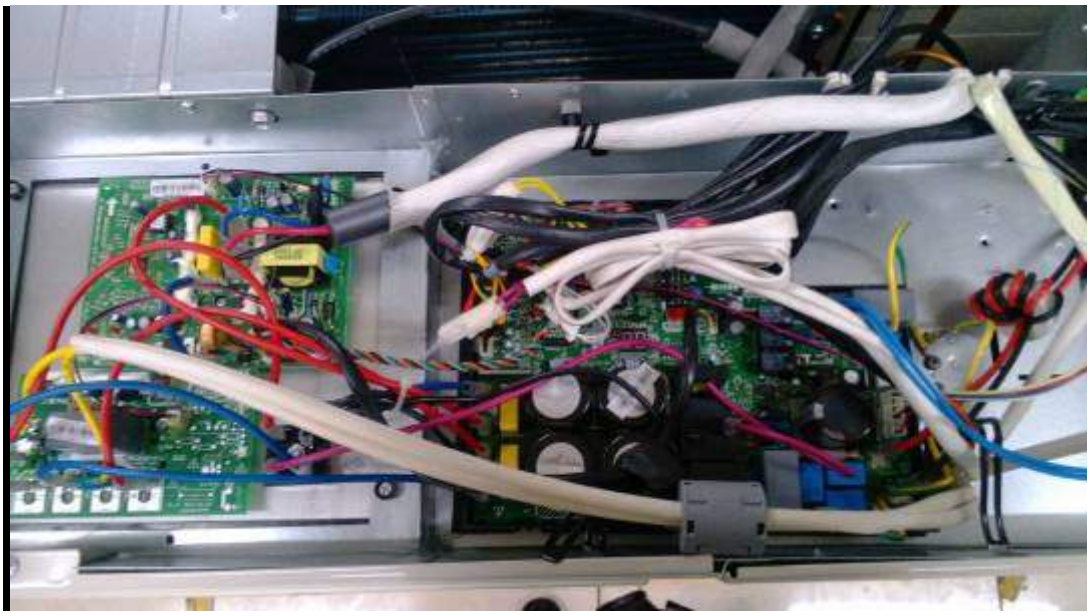
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: PCB 1 of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB 1 lay-out of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB 2 of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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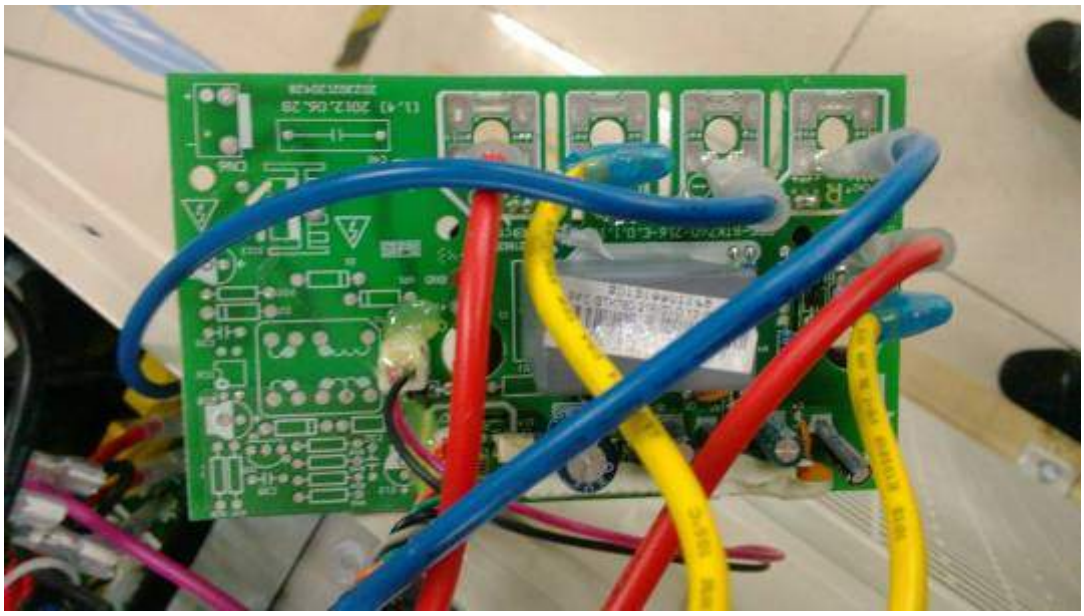
☐ bottom



Details of: PCB 2 lay-out of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

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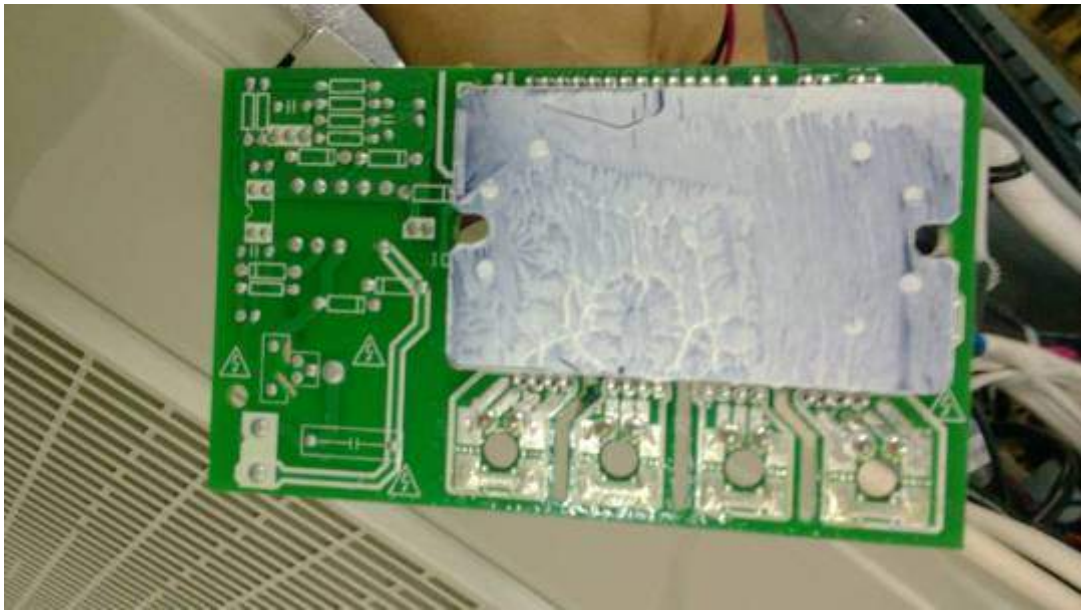


Attachment 4

Details of: PCB 3 of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

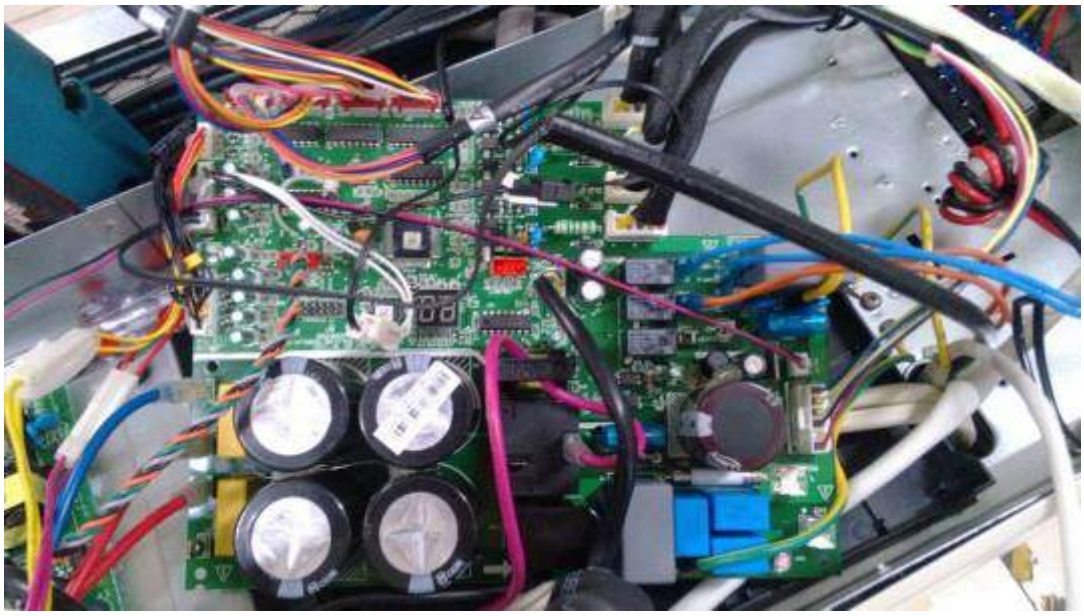
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB 3 lay-out of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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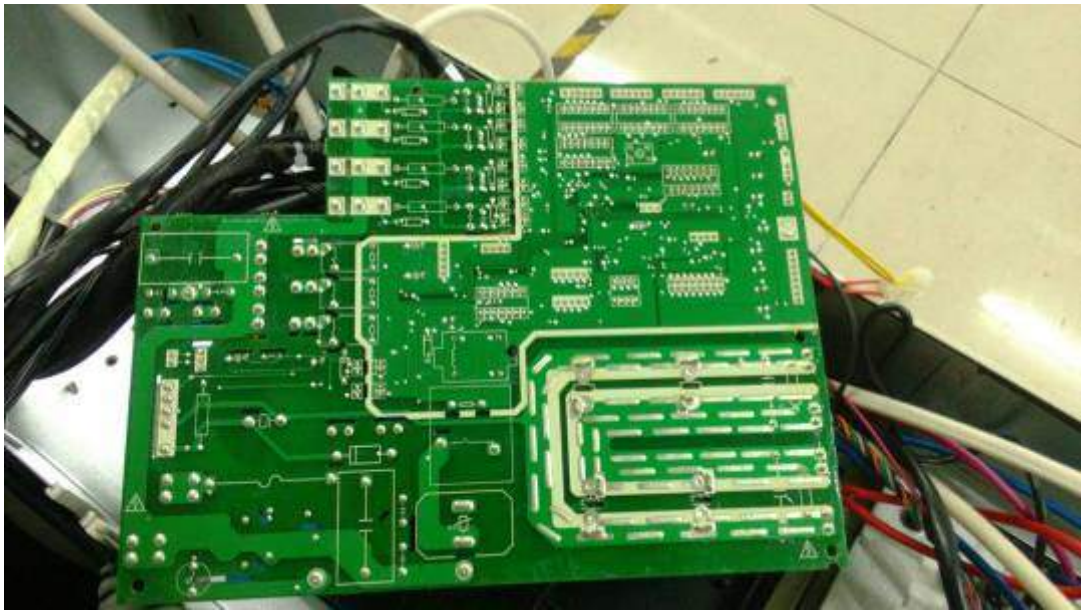
☐ bottom



Attachment 4

Details of: Terminal block of outdoor unit (M4OA-36HFN1-Q)

View:

☒ general

☐ front

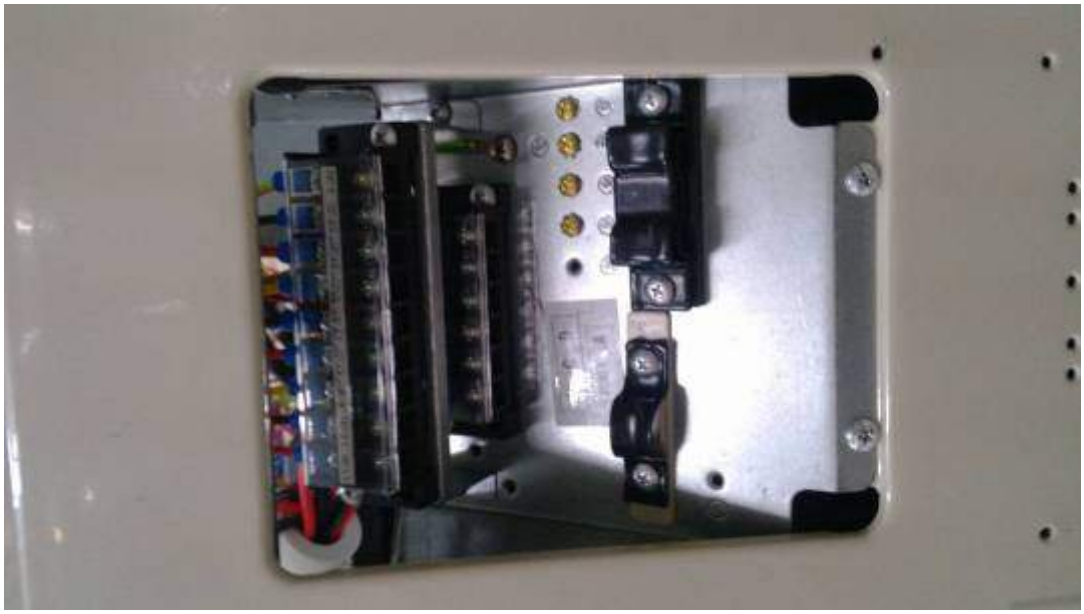
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of indoor unit (MS11MU-09HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-09HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS11MU-09HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-09HRFN1-QRD0W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS11MU-09HRFN1-QRD0W)

View:

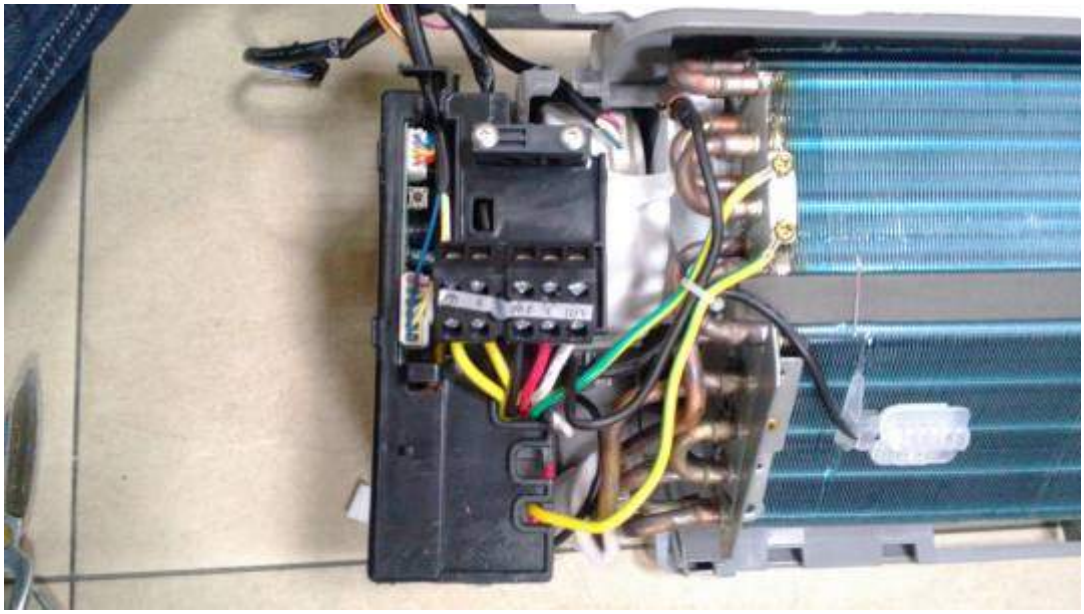
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS11MU-09HRFN1-QRD0W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: PCB of indoor unit (MS11MU-09HRFN1-QRD0W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: PCB lay-out of indoor unit(MS11MU-09HRFN1-QRD0W)

View:

☒ general

☐ front

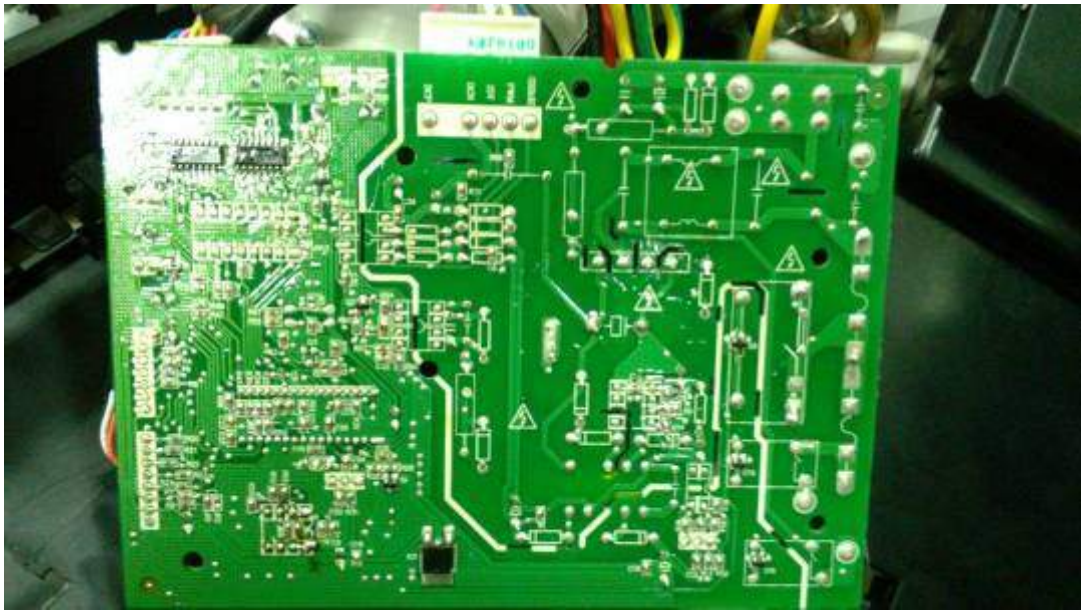
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB of indoor unit(MS11MU-09HRFN1-QRD0W)

View:

☒ general

☐ front

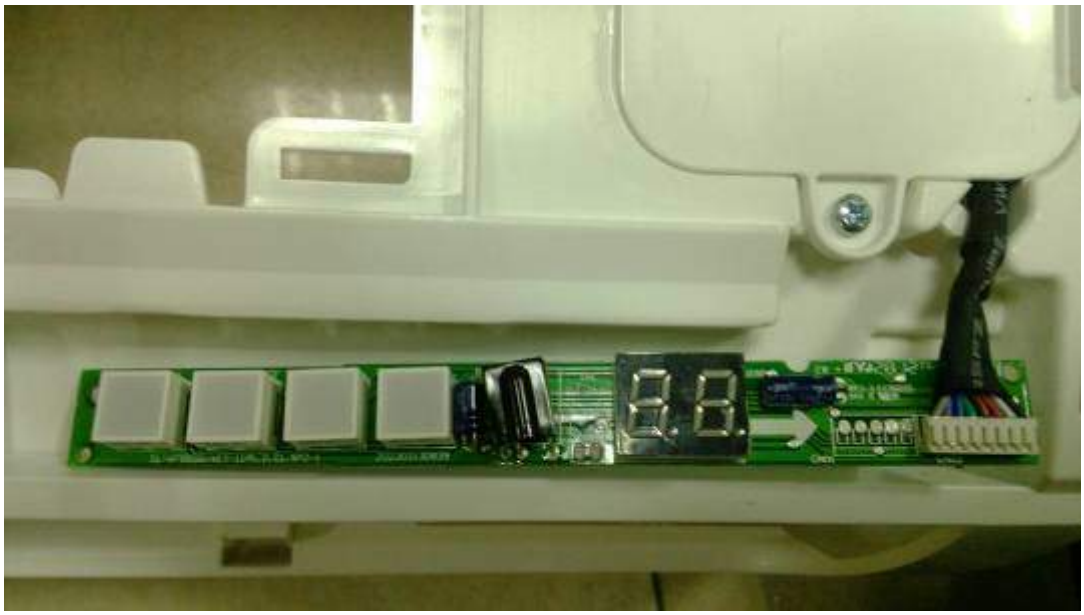
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Display PCB lay-out of indoor unit(MS11MU-09HRFN1-QRD0W)

View:

☒ general

☐ front

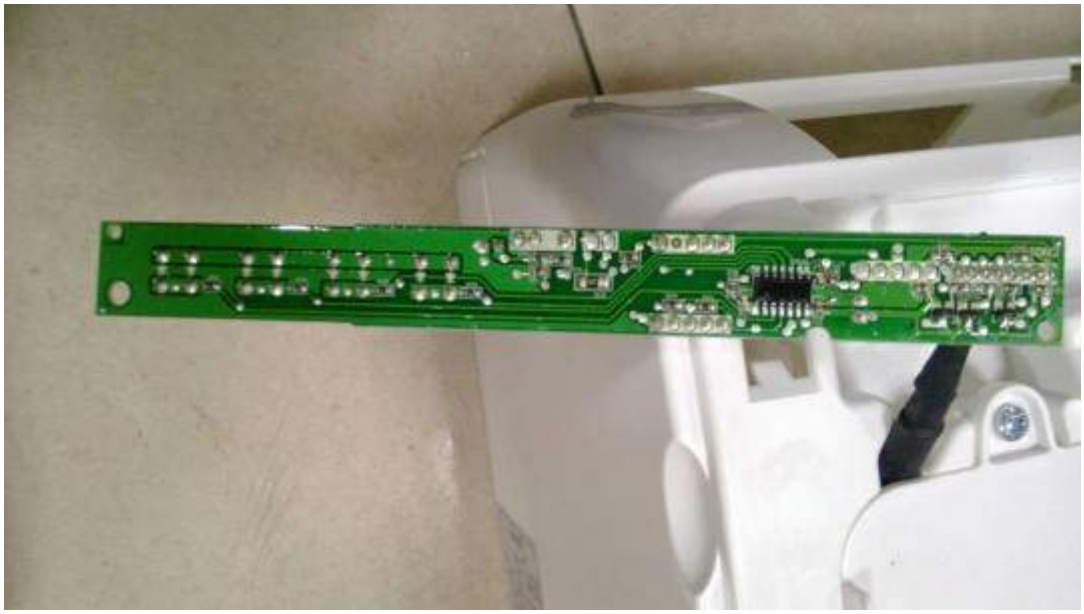
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of indoor unit (MS11MU-12HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-12HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS11MU-12HRFN1-QRD0W)

View:

☒ general

☐ front

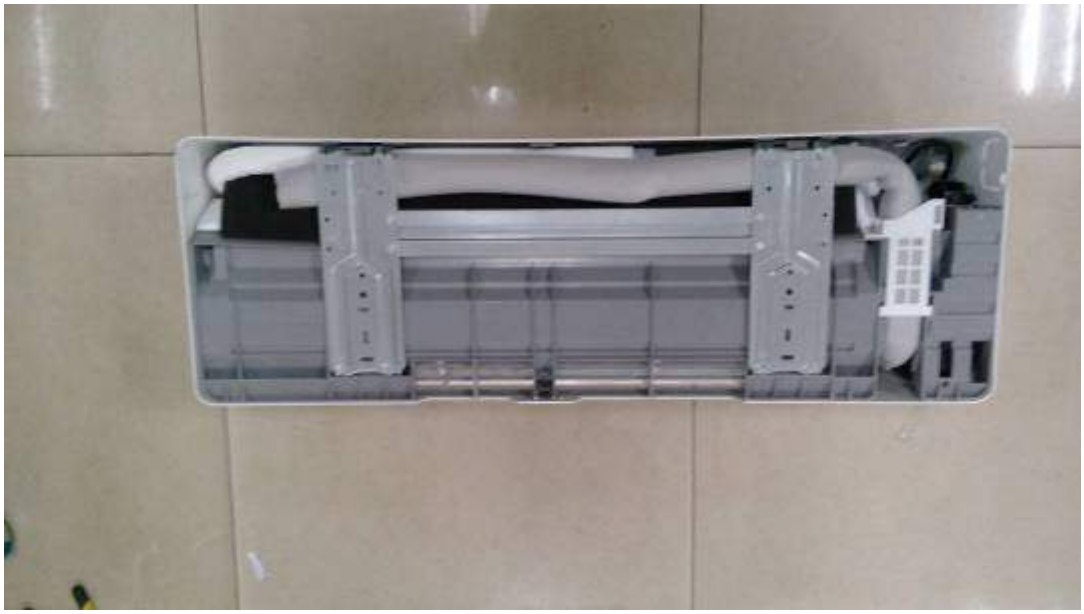
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of indoor unit (MS11MU-12HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of indoor unit(MS11MU-12HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of indoor unit(MS11MU-12HRFN1-QRD0W)

View:

☒ general

☐ front

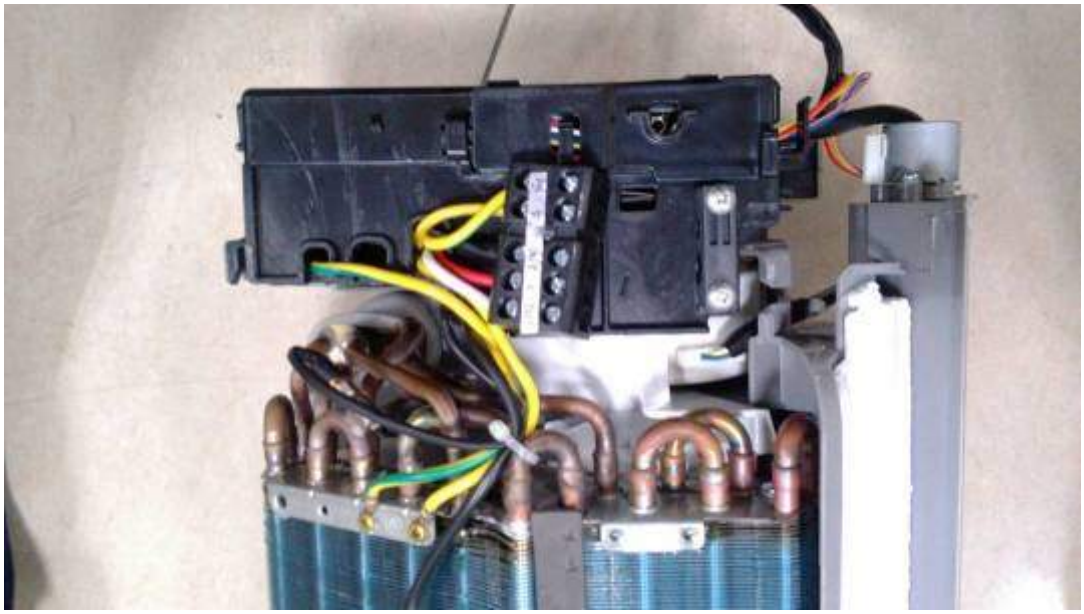
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB of indoor unit(MS11MU-12HRFN1-QRD0W)

View:

☒ general

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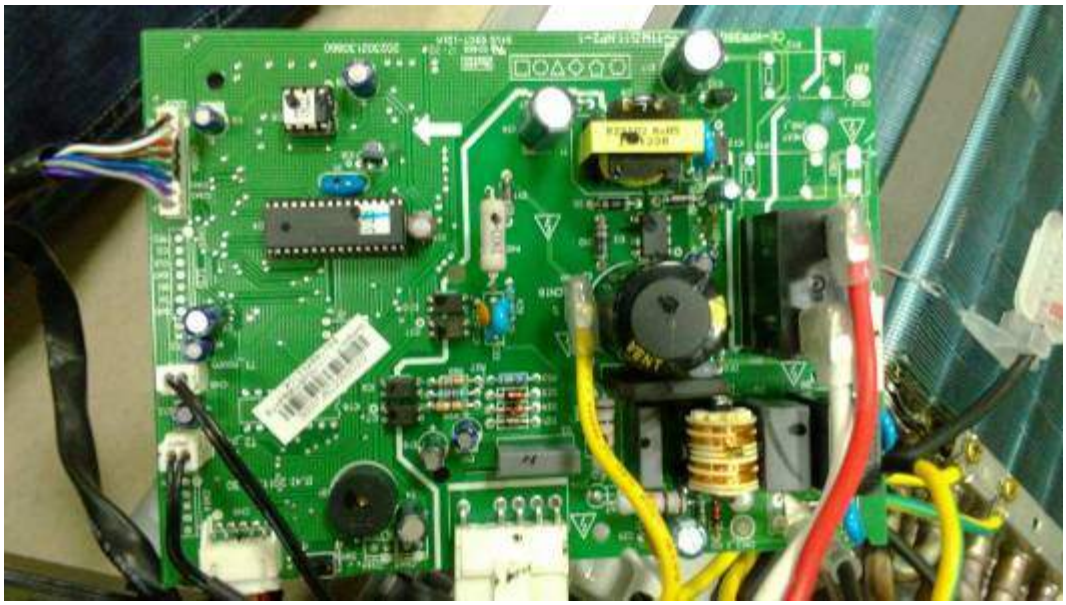

Attachment 4

Details of: PCB lay-out of indoor unit(MS11MU-12HRFN1-QRD0W)

View:

☒ general

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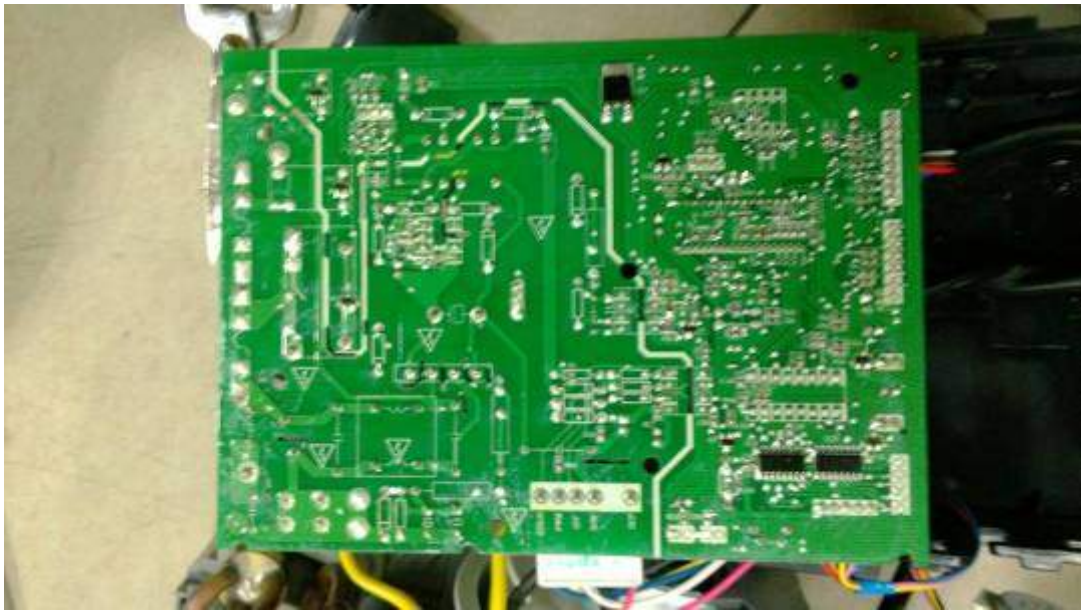

Details of: Display PCB of indoor unit(MS11MU-12HRFN1-QRD0W)

View:

☒ general

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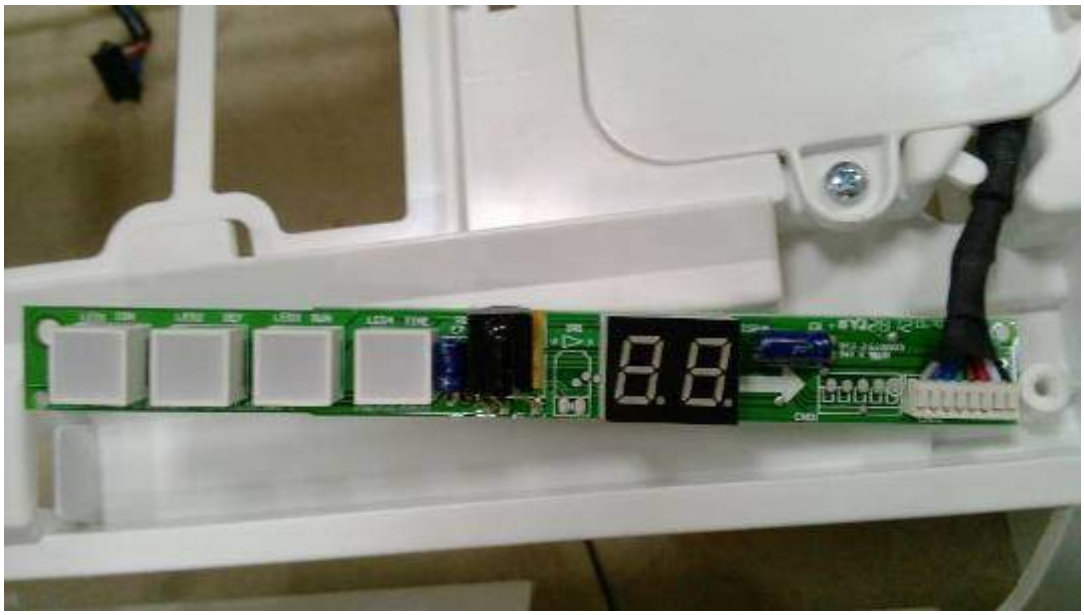

Attachment 4

Details of: Display PCB lay-out of indoor unit(MS11MU-12HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

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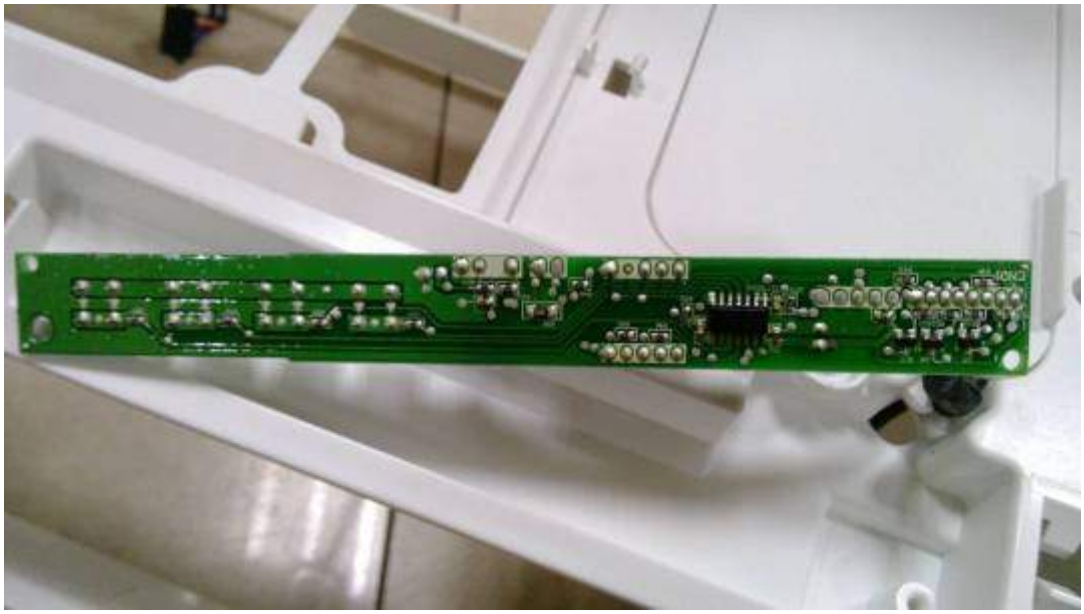

Details of: General view of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

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☐ right

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☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

☒ general

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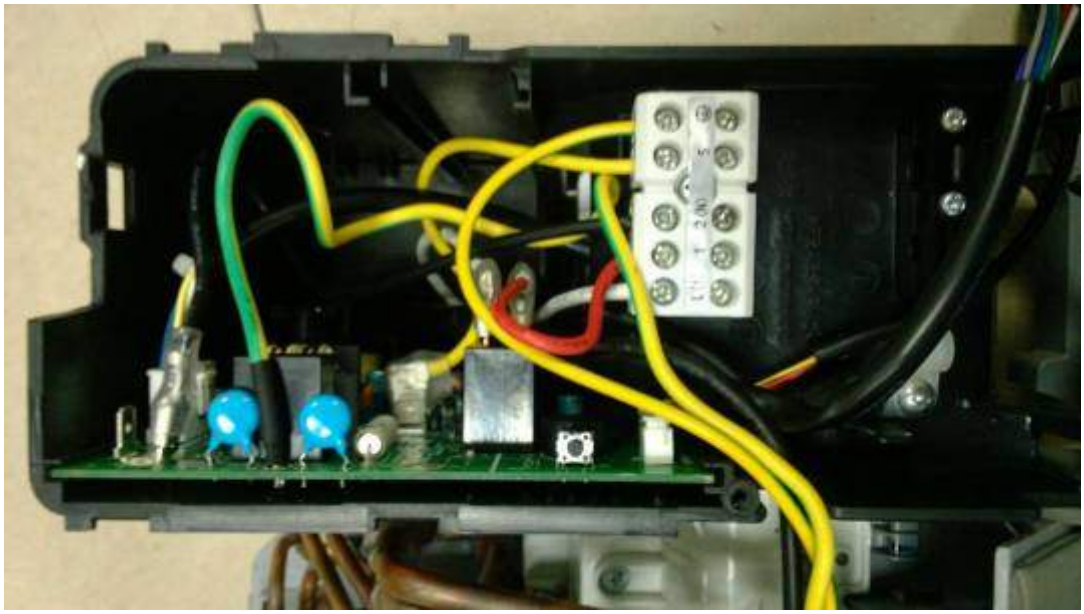
☐ bottom



Details of: PCB of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

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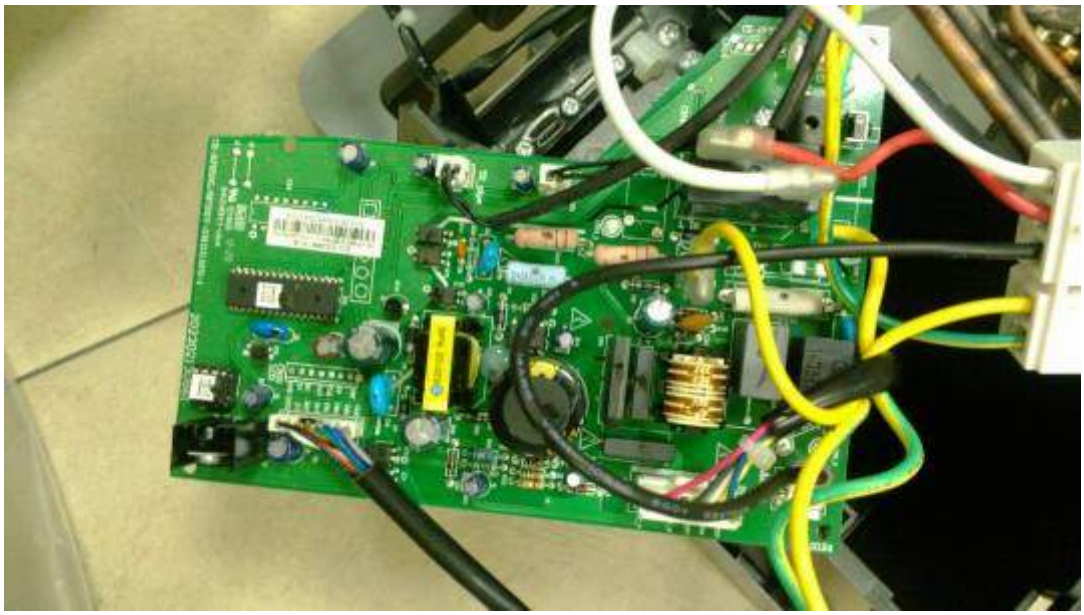

Attachment 4

Details of: PCB lay-out of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

☒ general

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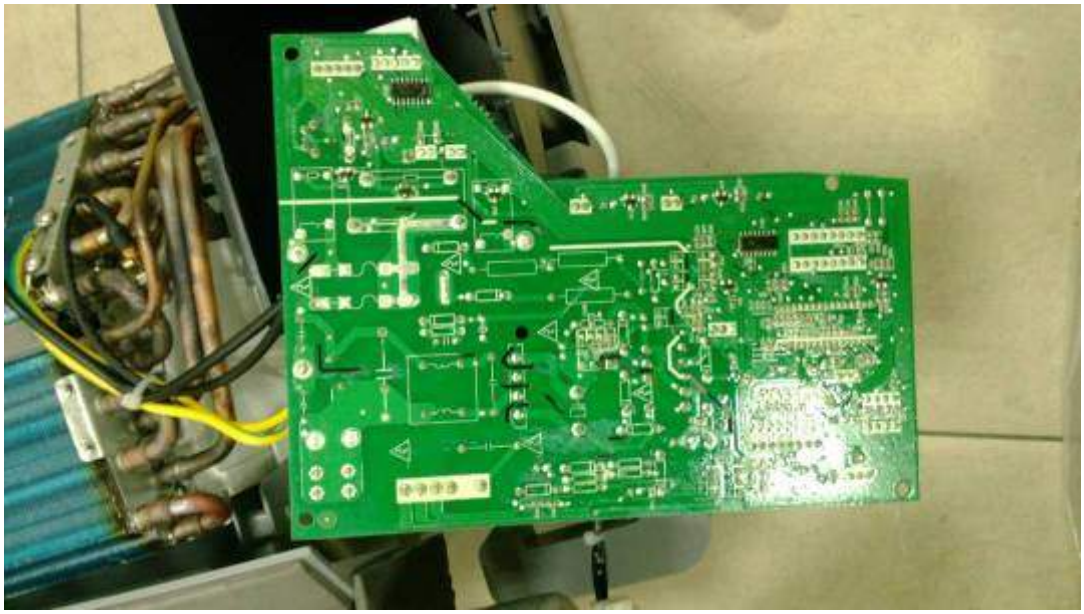

Details of: Display PCB of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

☒ general

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☐ rear

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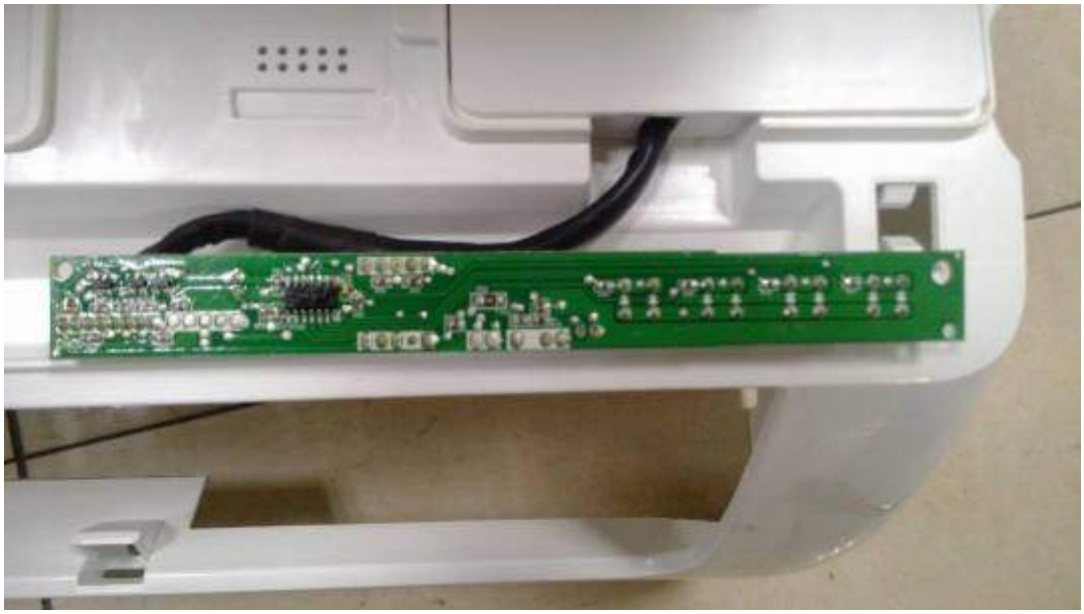
☐ bottom

Attachment 4

Details of: Display PCB lay-out of indoor unit (MS11MU-18HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ top

☐ bottom

Details of: General view of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ top

☐ bottom

Details of: PCB of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB lay-out of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

☒ general

☐ front

☐ rear

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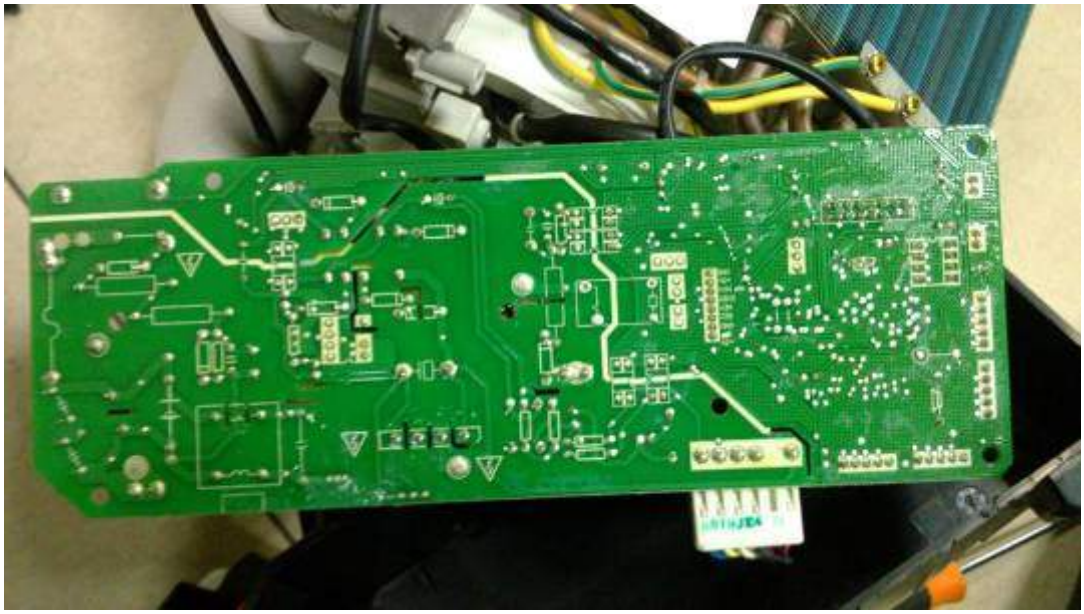

Details of: Display PCB of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

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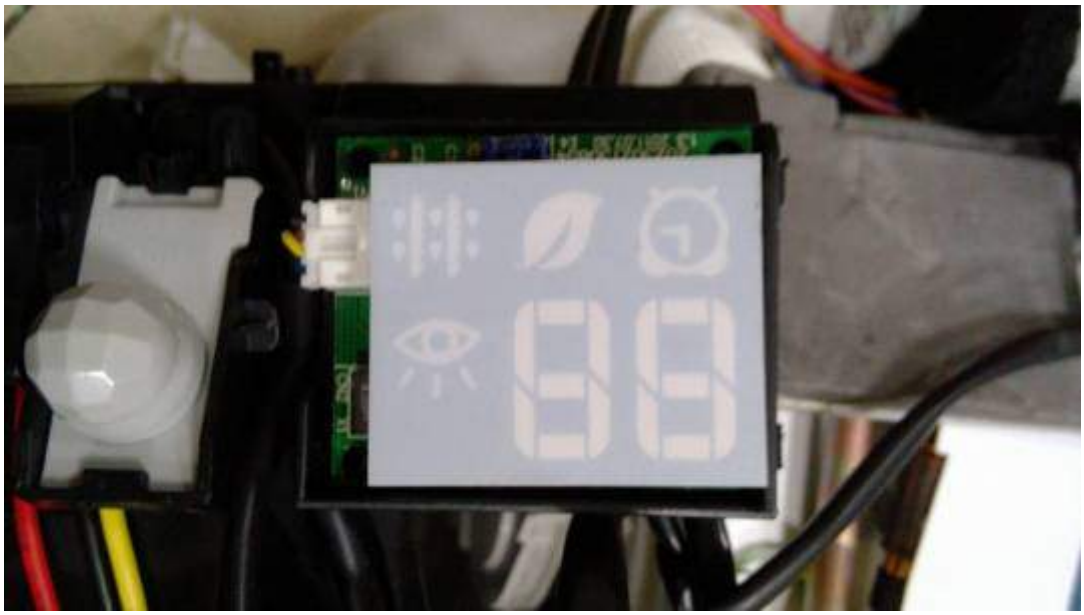

Attachment 4

Details of: Display PCB lay-out of indoor unit (MS11PU-09HRFN1-QRD0W)

View:

☒ general

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☐ rear

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☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

☒ general

☐ front

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☐ top

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Details of: PCB of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

☒ general

☐ front

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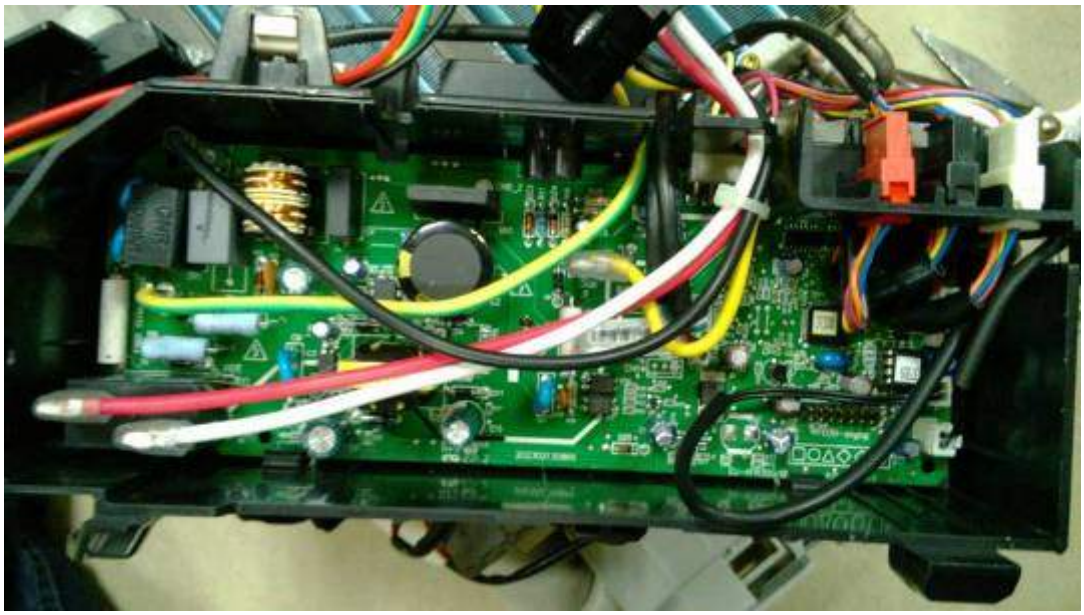

Attachment 4

Details of: PCB lay-out of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

☒ general

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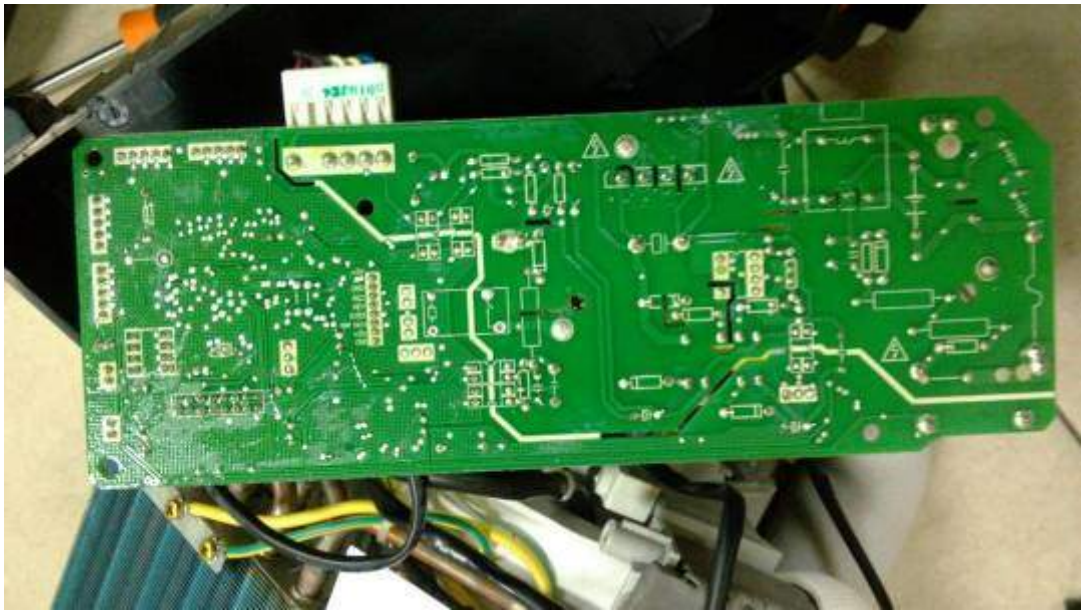

Details of: Display PCB of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

☒ general

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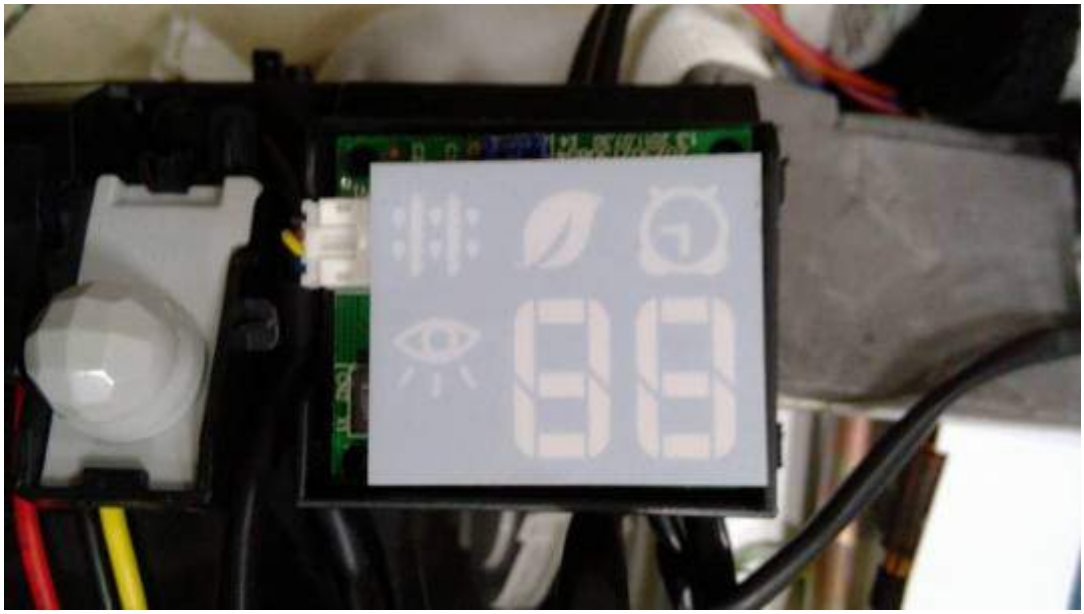

Attachment 4

Details of: Display PCB lay-out of indoor unit (MS11PU-12HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MTBI-07HRFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MTBI-07HRFN1-Q)

View:

☒ general

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☐ left

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☐ bottom

Details of: General view of indoor unit (MTBI-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MTBI-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of indoor unit (MTBI-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Main PCB of indoor unit (MTBI-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

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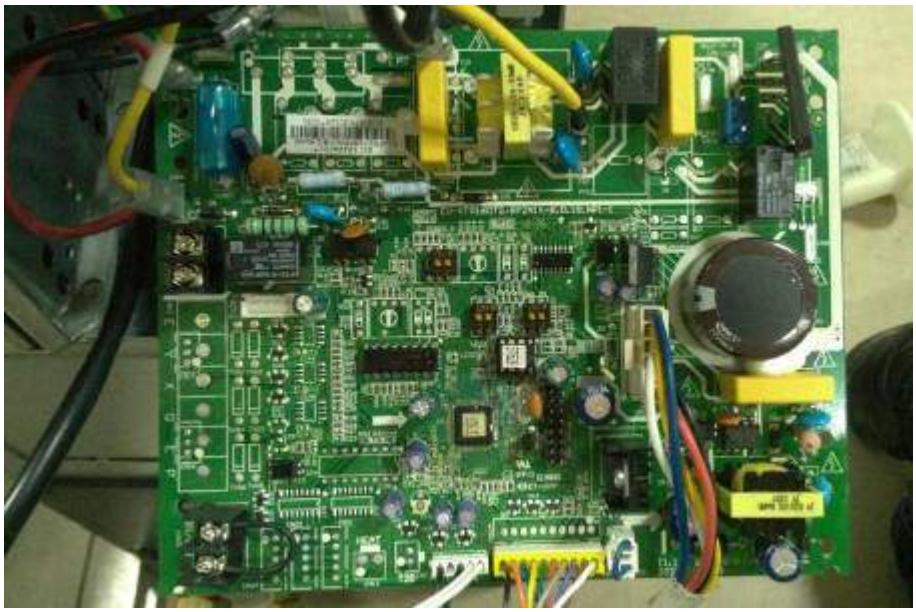

Details of: Main PCB of indoor unit (MTBI-07HRFN1-Q)

View:

☒ general

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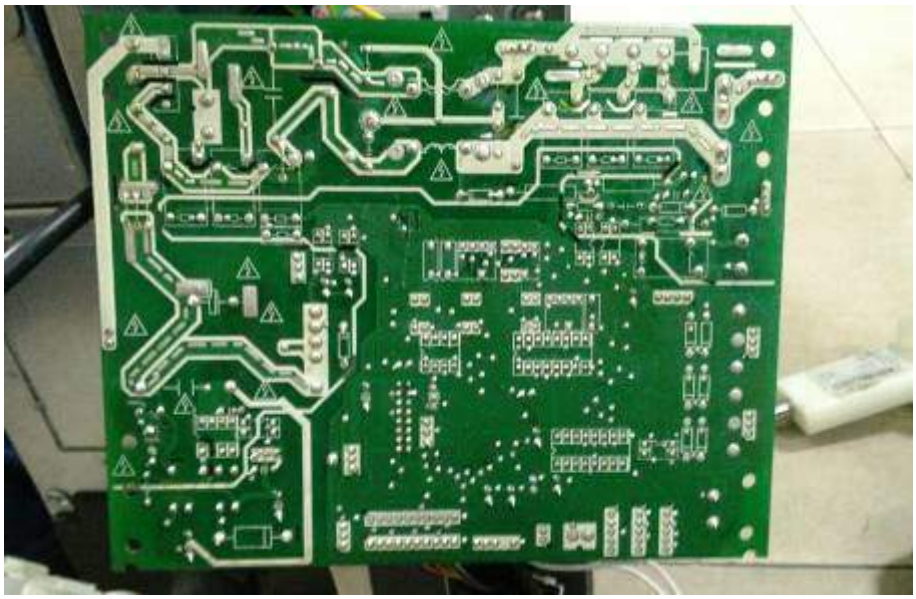

Attachment 4

Details of: Terminal block (MTBI-07HRFN1-Q)

View:

☒ general

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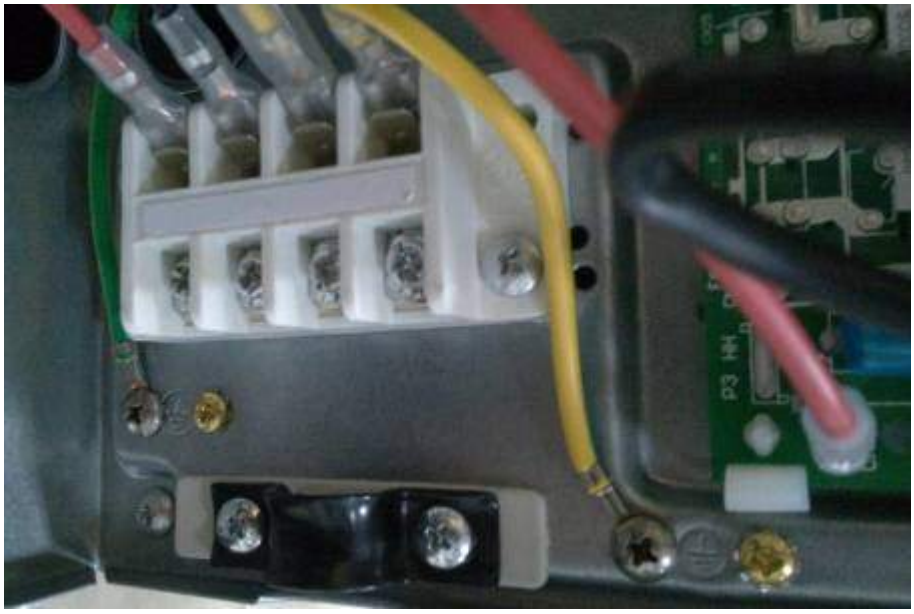

Details of: General view of indoor unit (MTBI-18HWDN1-Q)

View:

☒ general

☐ front

☐ rear

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☐ bottom

Attachment 4

Details of: General view of indoor unit (MTBI-18HWDN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MTBI-18HWDN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

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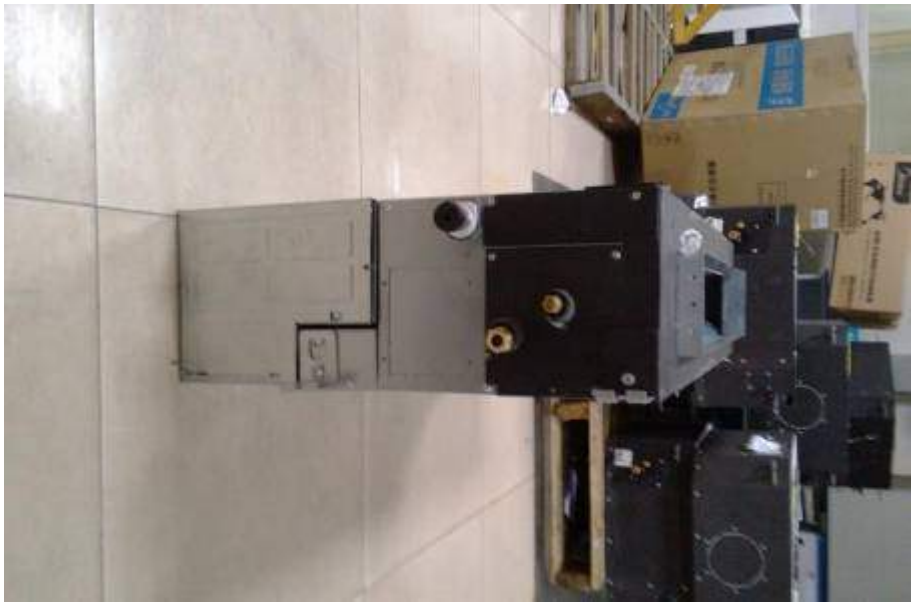

Attachment 4

Details of: Inner view of indoor unit (MTBI-18HWDN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Main PCB of indoor unit (MTBI-18HWDN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB of indoor unit (MTBI-18HWDN1-Q)

View:

☒ general

☐ front

☐ rear

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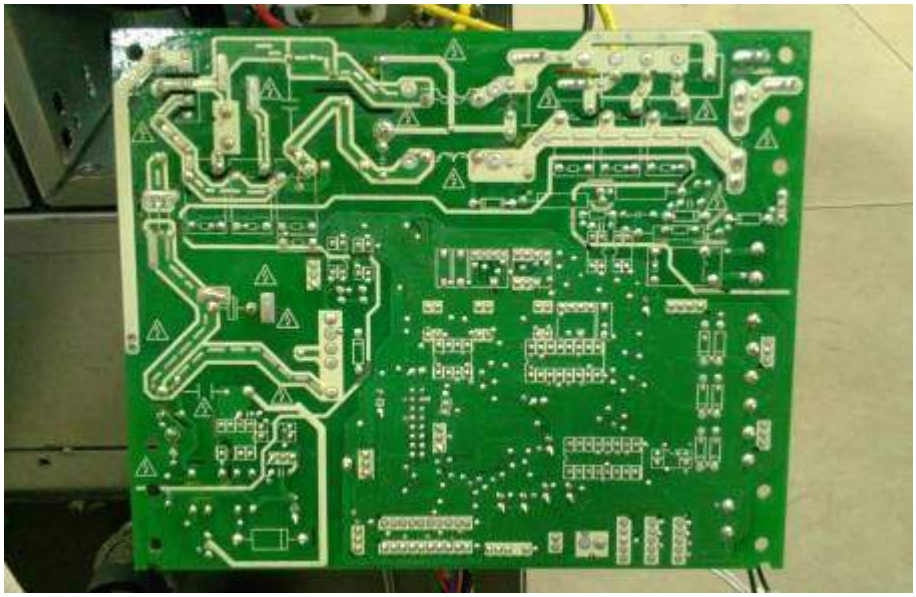

Details of: General view of indoor unit (MCA2I-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MCA2I-07HRFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MCA2I-07HRFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MCA2I-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Main PCB of indoor unit (MCA2I-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Main PCB of indoor unit (MCA2I-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

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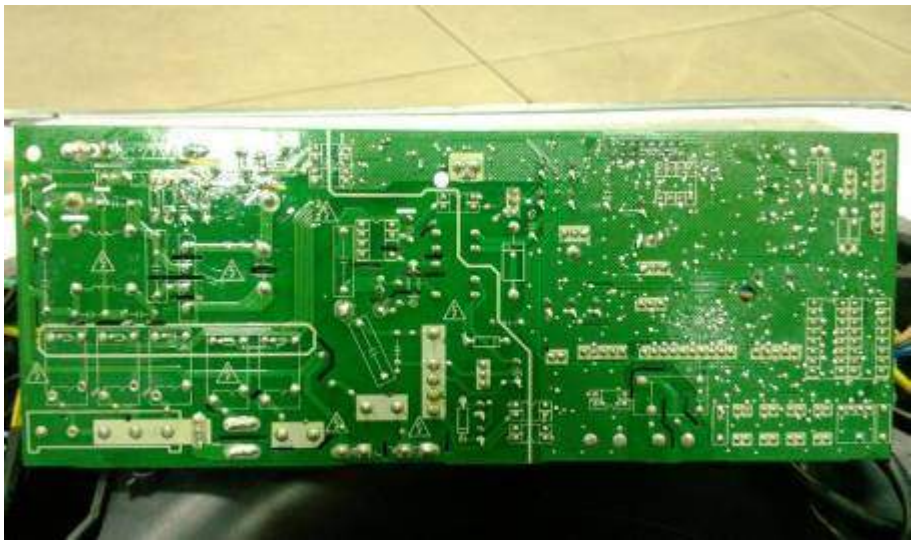

Details of: Inner view of indoor unit (MCA2I-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

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☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MCA2I-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MCA21-18HRDN1)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MCA21-18HRDN1)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of indoor unit (MCA21-18HRDN1)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MCA21-18HRDN1)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB of indoor unit (MCA21-18HRDN1)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB lay-out of indoor unit (MCA21-18HRDN1)

View:

☒ general

☐ front

☐ rear

☐ right

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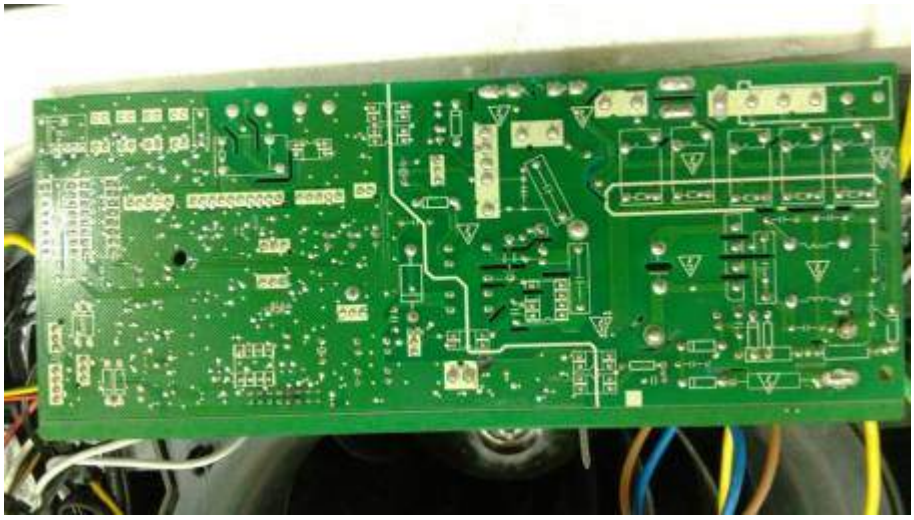

Details of: Inner view of indoor unit (MCA21-18HRDN1)

View:

☒ general

☐ front

☐ rear

☐ right

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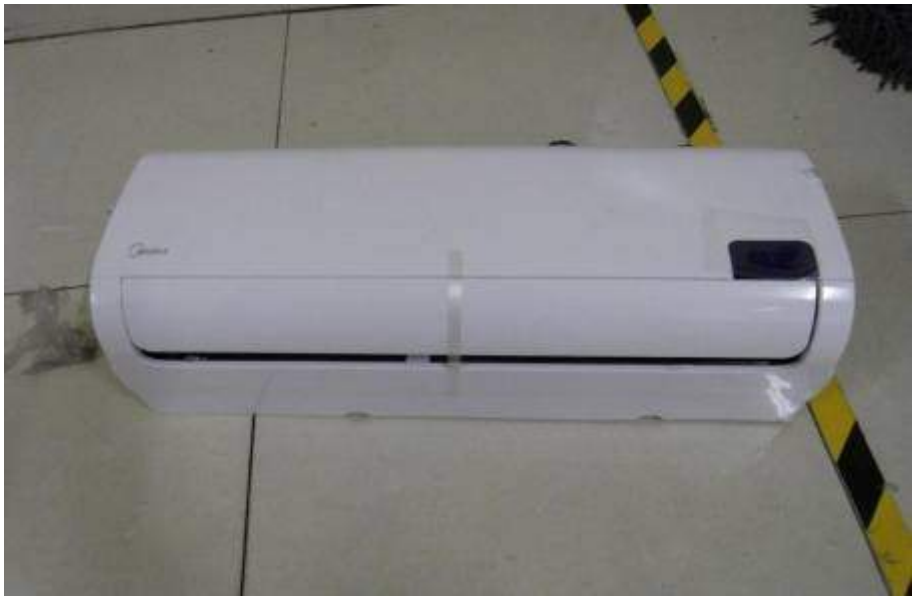
Attachment 4

Details of: General view of indoor unit (MS9AI-07HRFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit (MS9AI-07HRFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MS9AI-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

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☐ top

☐ bottom

Details of: General view of indoor unit (MS9AI-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS9AI-07HRFN1-Q)

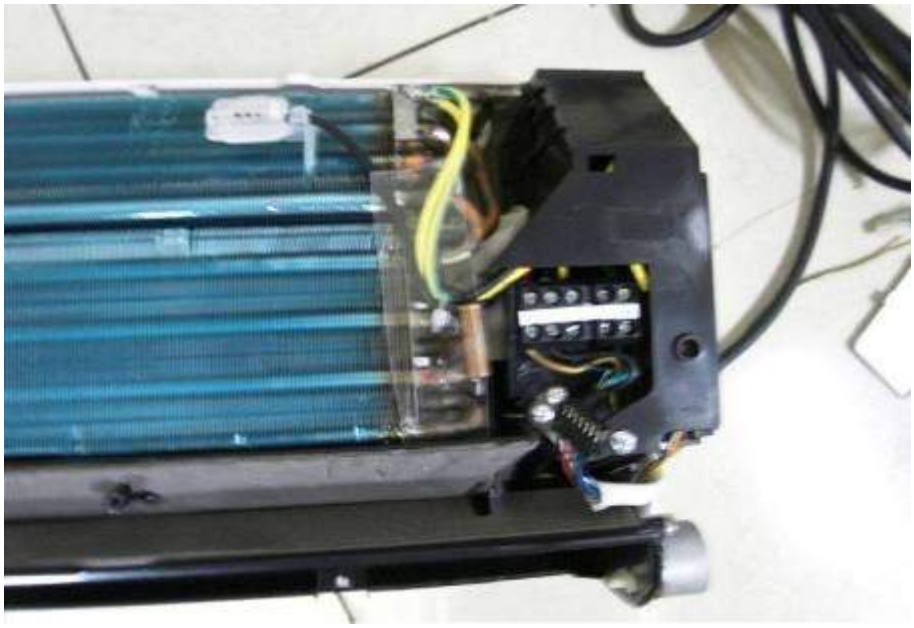
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS9AI-07HRFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Main PCB of indoor unit (MS9AI-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Main PCB of indoor unit (MS9AI-07HRFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

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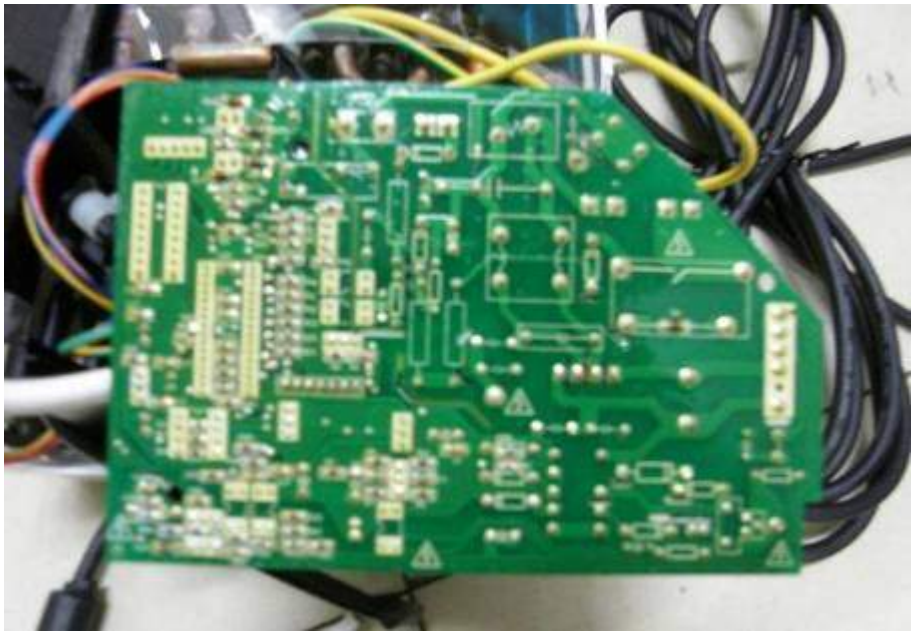

Attachment 4

Details of: Display PCB of indoor unit (MS9AI-07HRFN1-Q)

View:

☒ general

☐ front

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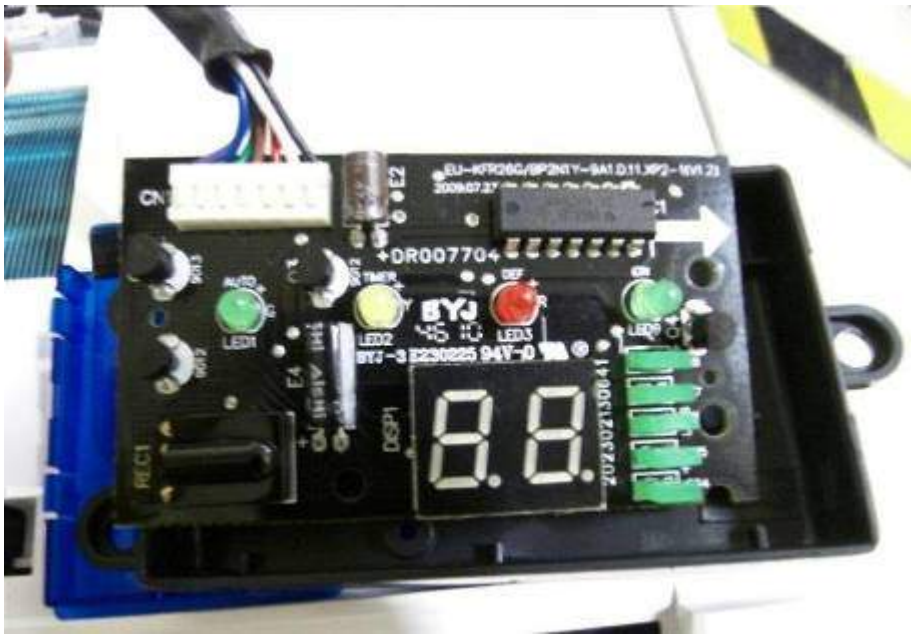
☐ top

☐ bottom



Details of: General view of indoor unit (MS9AU-18HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS9AU-18HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS9AU-18HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS9AU-18HRFN1-QRC8W)

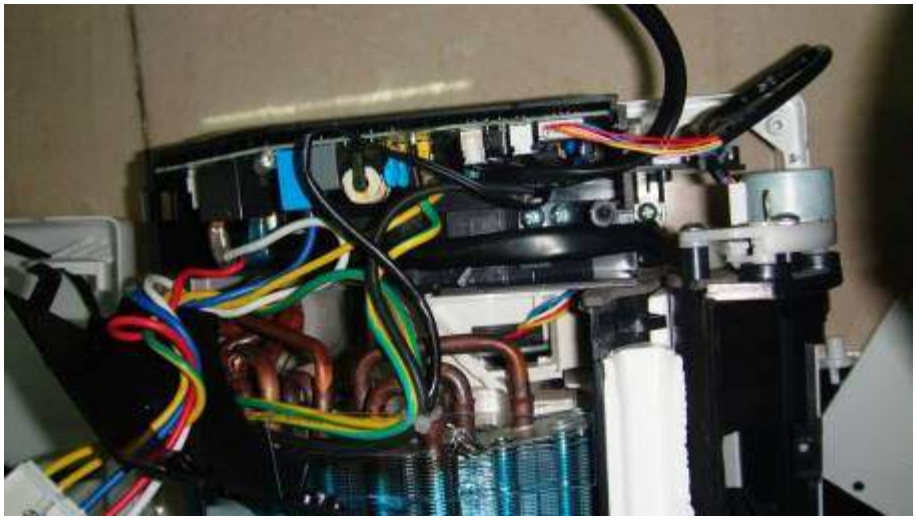
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS9AU-18HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Main PCB of indoor unit (MS9AU-18HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ top

☐ bottom

Details of: Main PCB of indoor unit (MS9AU-18HRFN1-QRC8W)

View:

☒ general

☐ front

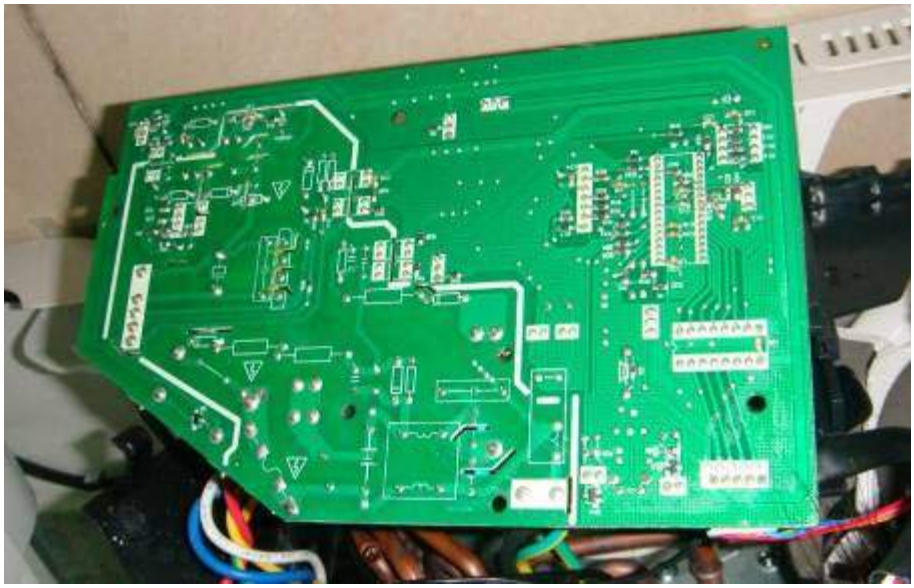
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of outdoor unit (M2OD-14HFN1-Q)

View:

☒ general

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☐ rear

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☐ bottom

Details of: General view of outdoor unit (M2OD-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M2OD-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit (M2OD-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M2OD-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ top

☐ bottom

Details of: Inner view of outdoor unit (M2OD-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB 1 of outdoor unit (M2OD-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

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☐ bottom

Details of: PCB 1 lay-out of outdoor unit (M2OD-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB 2 of outdoor unit (M2OD-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

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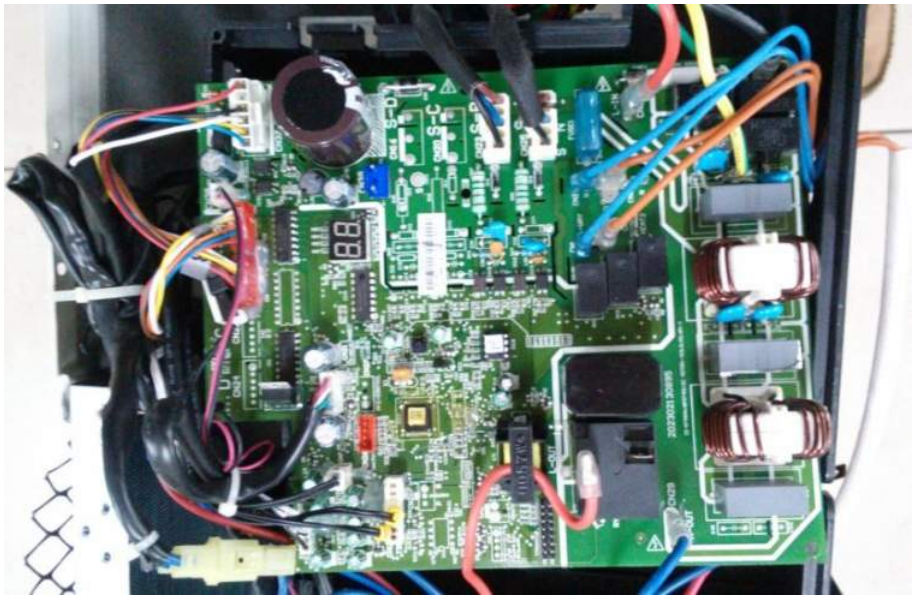

Details of: PCB 2 lay-out of outdoor unit (M2OD-14HFN1-Q)

View:

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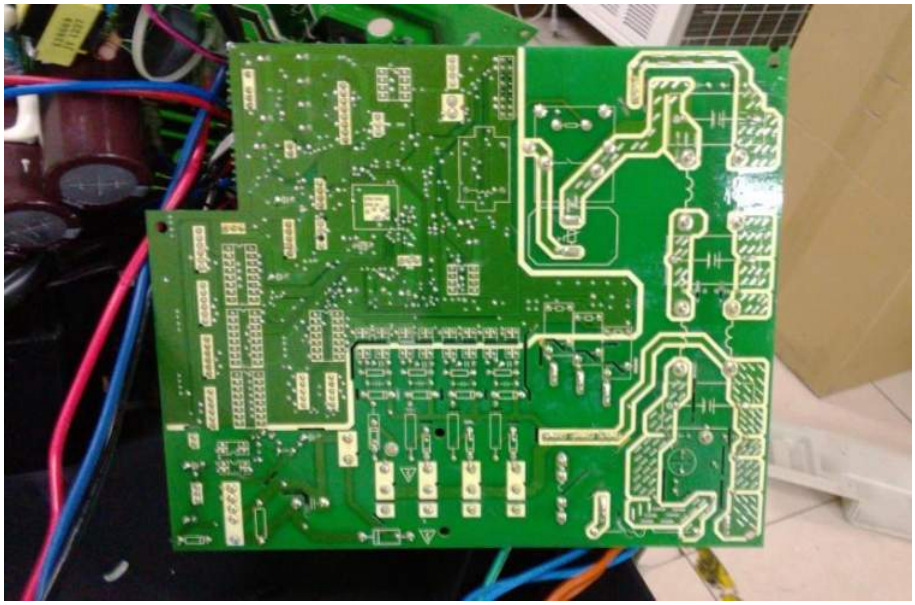

Attachment 4

Details of: Terminal block of outdoor unit (M2OD-14HFN1-Q)

View:

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☐ bottom

Details of: General view of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB 1 of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

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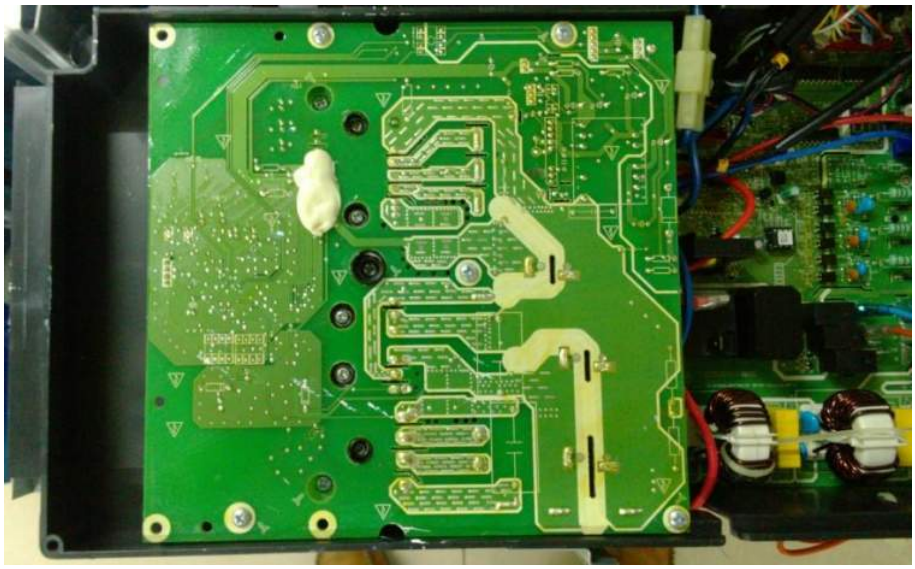

Attachment 4

Details of: PCB 1 of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

☐ front

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☐ bottom

Details of: PCB 2 of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

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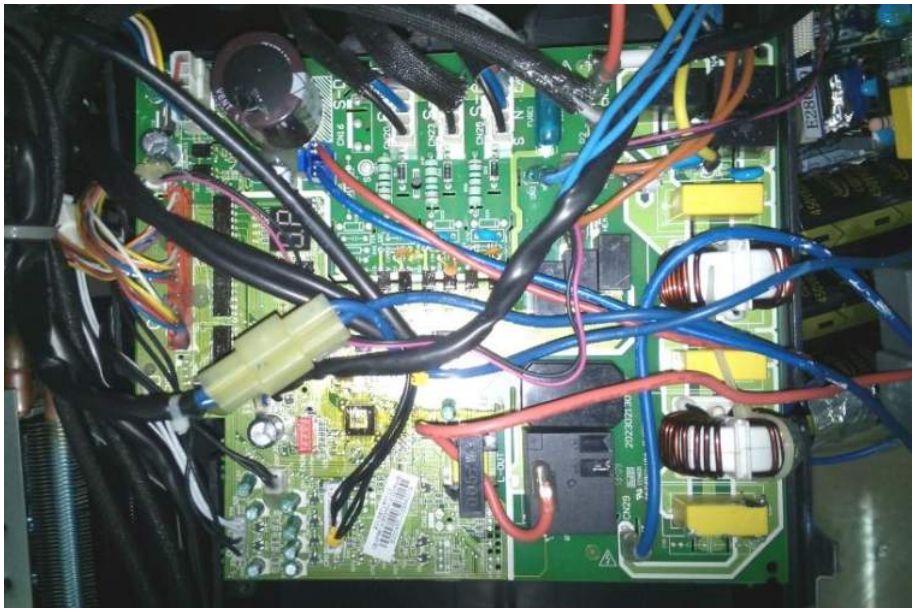

Attachment 4

Details of: PCB 2 lay-out of outdoor unit (M3OD-21HFN1-Q)

View:

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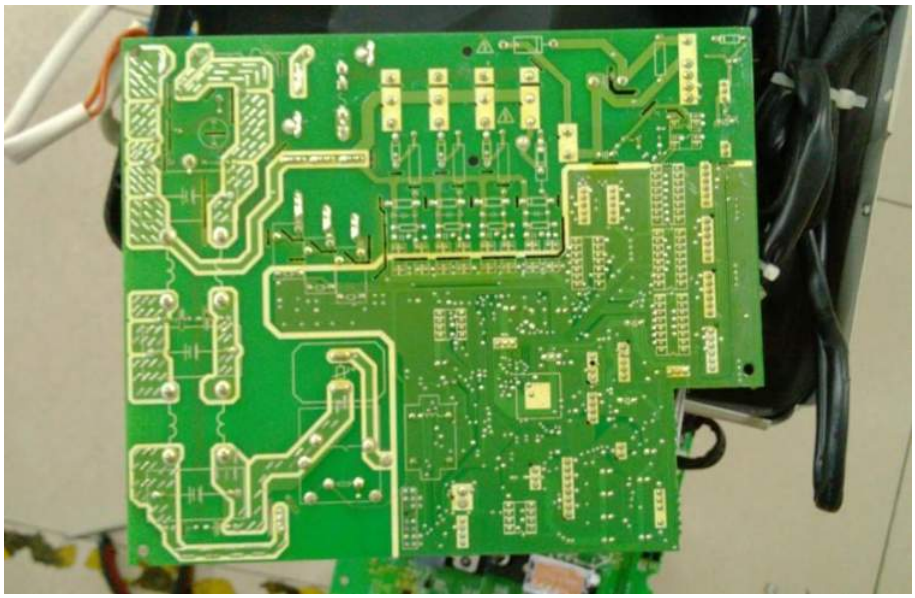

Details of: Terminal block of outdoor unit (M3OD-21HFN1-Q)

View:

☒ general

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Attachment 4

Details of: General view of outdoor unit (M4OD-28HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M4OD-28HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

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Attachment 4

Details of: General view of outdoor unit after remove the cover (M4OD-28HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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Details of: Inner view of outdoor unit (M4OD-28HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M4OD-28HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit (M4OD-28HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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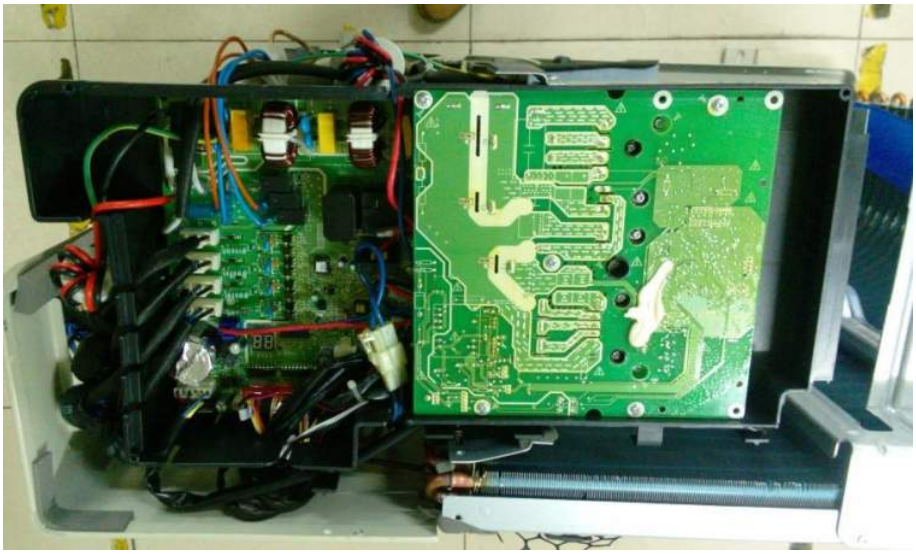

Attachment 4

Details of: PCB 1 of outdoor unit (M4OD-28HFN1-Q)

View:

☒ general

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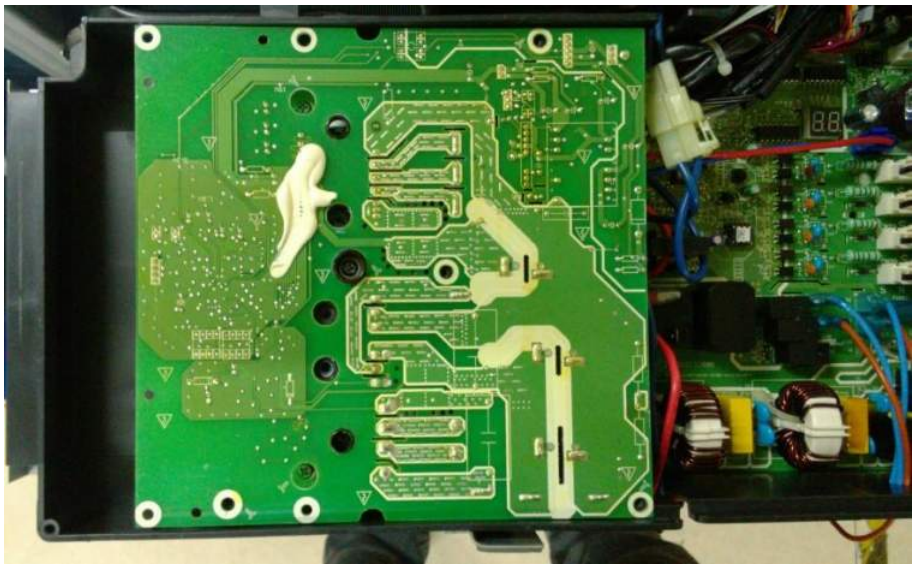

Details of: PCB 1 of outdoor unit (M4OD-28HFN1-Q)

View:

☒ general

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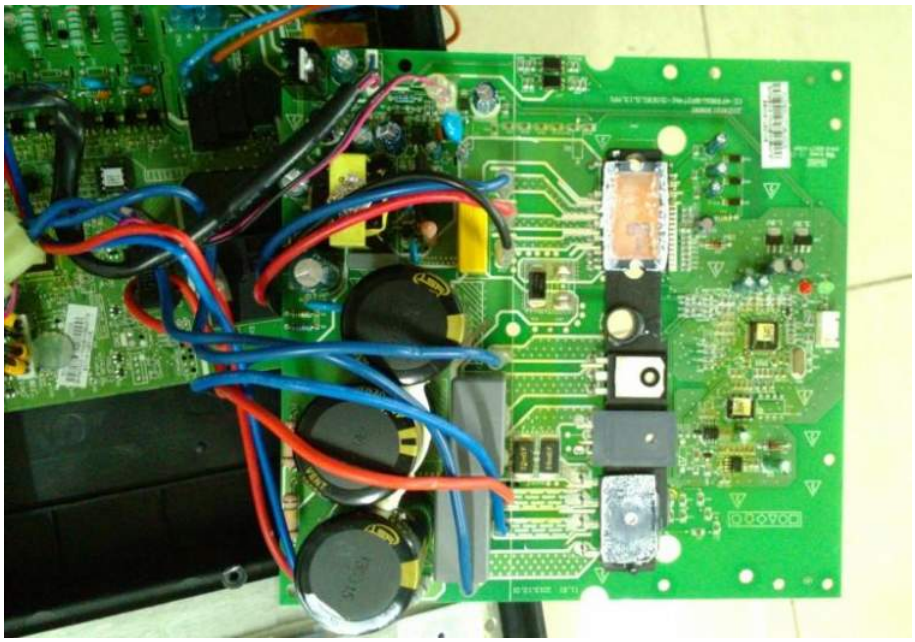

Attachment 4

Details of: PCB 2 of outdoor unit (M4OD-28HFN1-Q)

View:

☒ general

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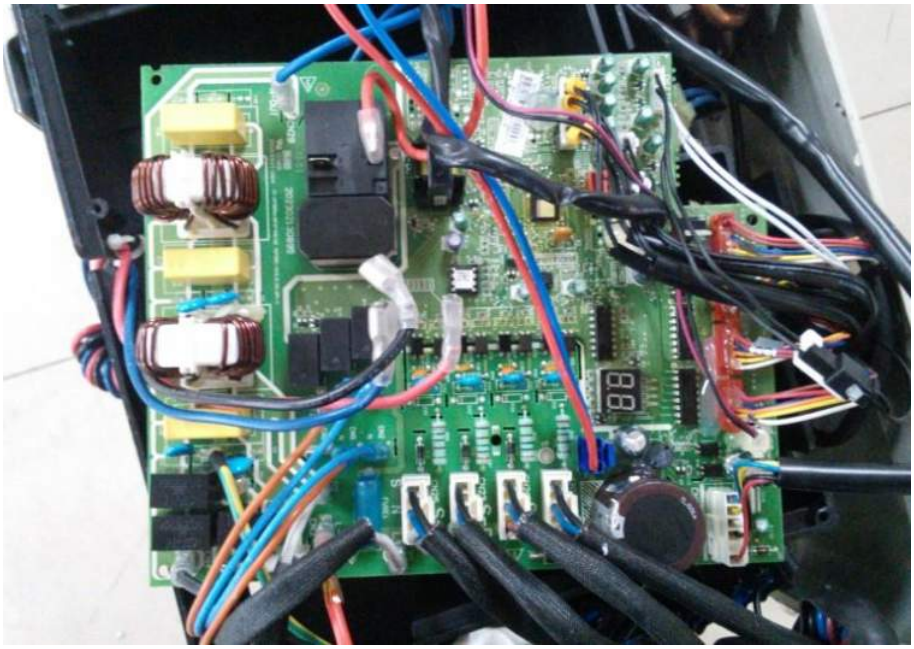

Details of: PCB 2 lay-out of outdoor unit (M4OD-28HFN1-Q)

View:

☒ general

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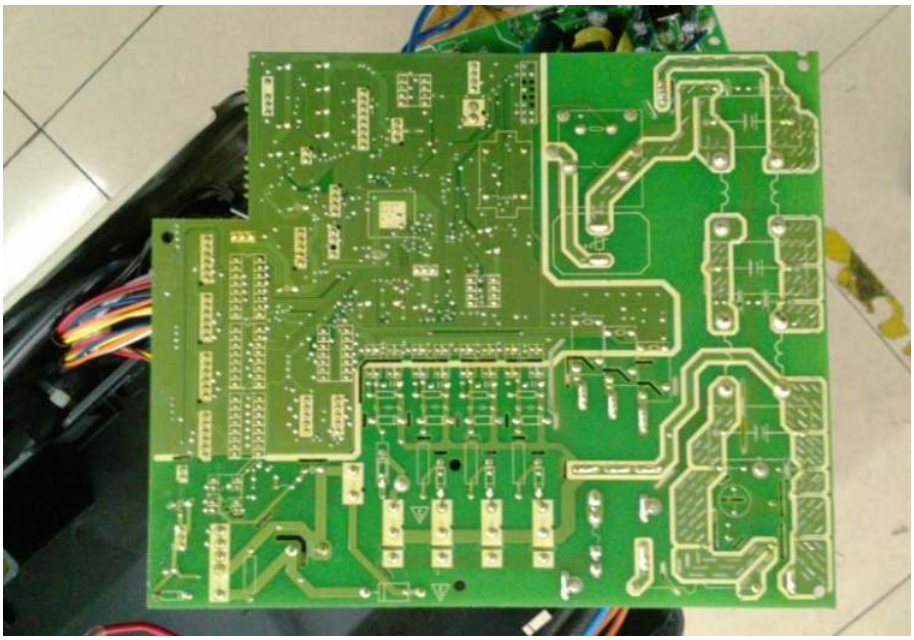

Attachment 4

Details of: General view of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

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☐ top

☐ bottom

Details of: General view of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

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☐ right

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Attachment 4

Details of: General view of outdoor unit after remove the cover (M5OC-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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Details of: Inner view of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB 1 of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

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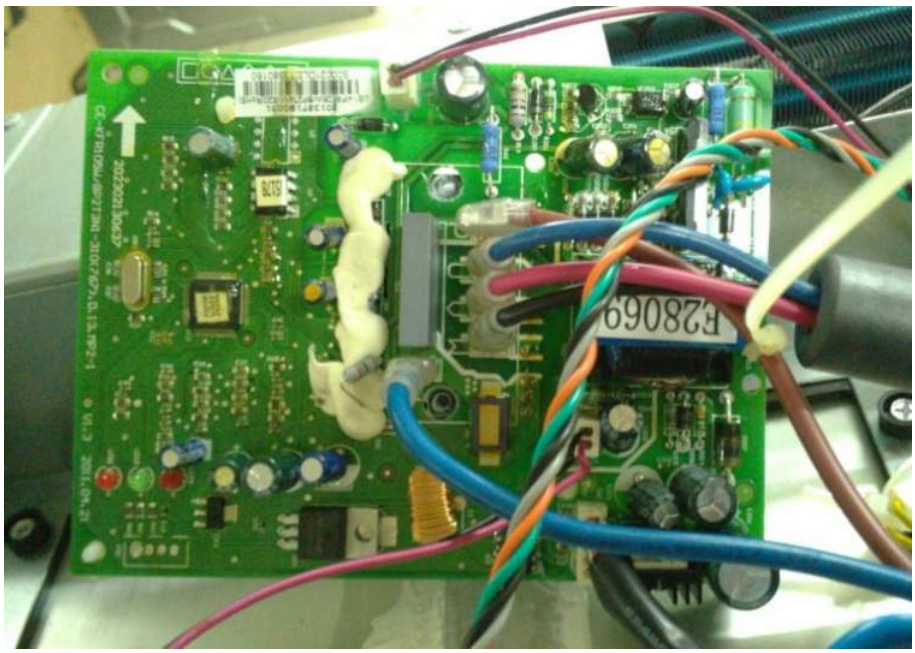

Details of: PCB 1 of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

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Attachment 4

Details of: PCB 2 of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

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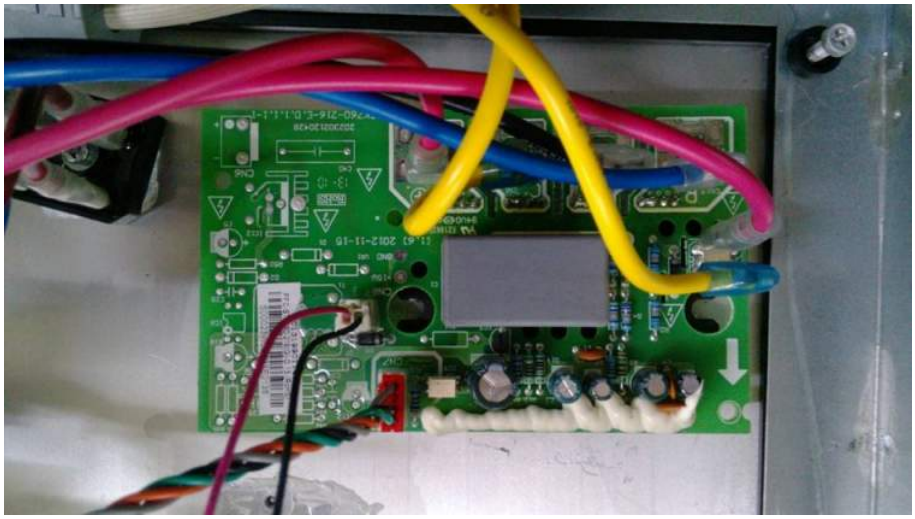

Details of: PCB 2 lay-out of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

☐ front

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☐ bottom

Attachment 4

Details of: PCB 3 of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ top

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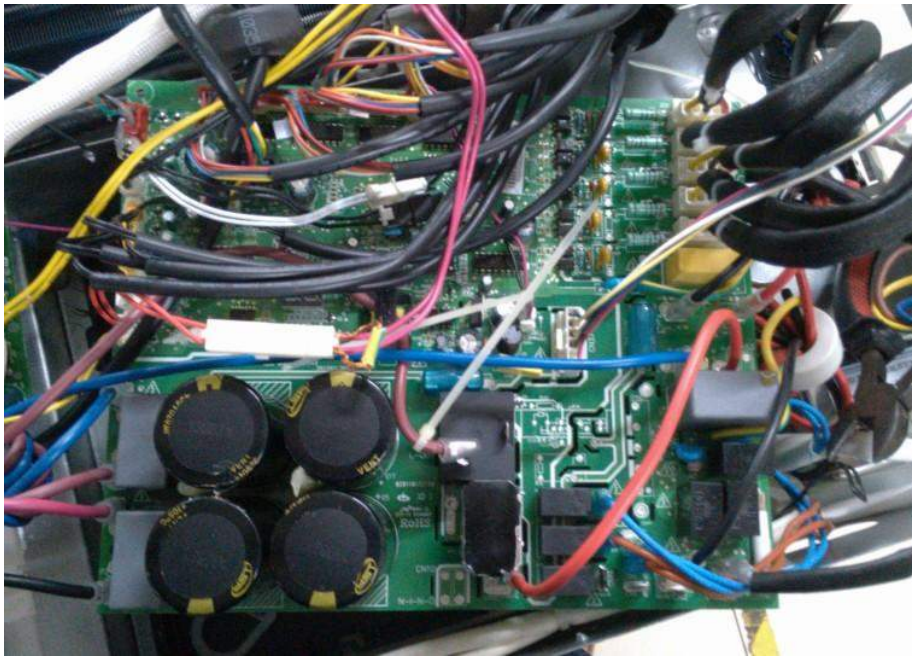

Details of: PCB 3 lay-out of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

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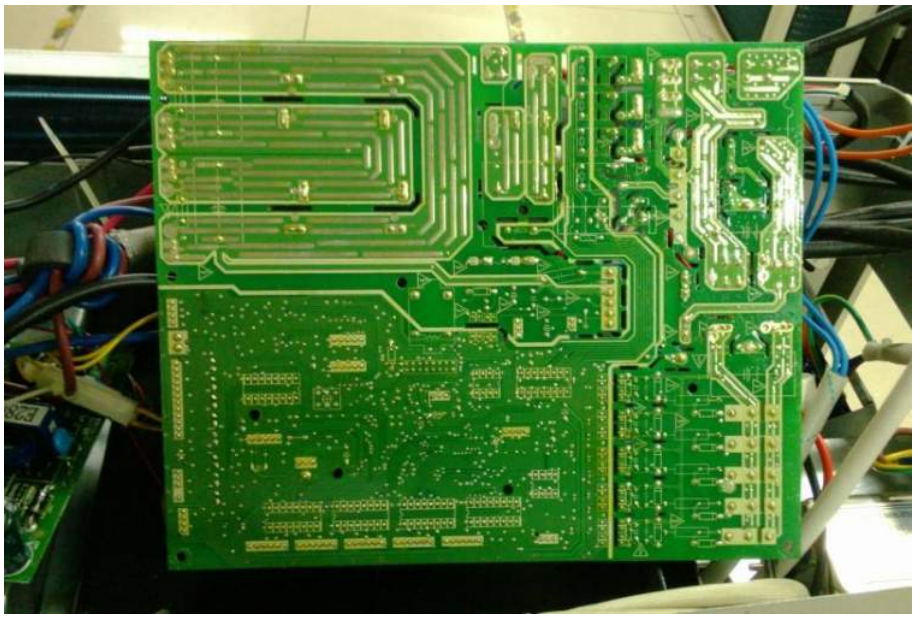

Attachment 4

Details of: Terminal block of outdoor unit (M5OC-36HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ top

☐ bottom

Details of: General view of indoor unit (MS12FI-07HRDN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS12FI-07HRDN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS12FI-07HRDN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS12FI-07HRDN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS12FI-07HRDN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of indoor unit(MS12FI-07HRDN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of indoor unit(MS12FI-07HRDN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB of indoor unit(MS12FI-07HRDN1-QRC8W)

View:

☒ general

☐ front

☐ rear

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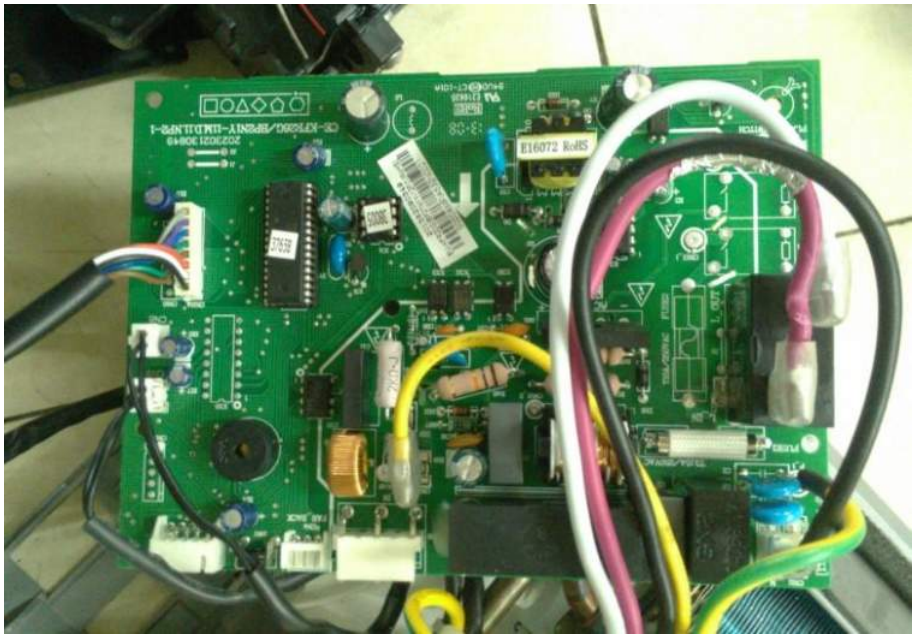

Details of: PCB lay-out of indoor unit(MS12FI-07HRDN1-QRC8W)

View:

☒ general

☐ front

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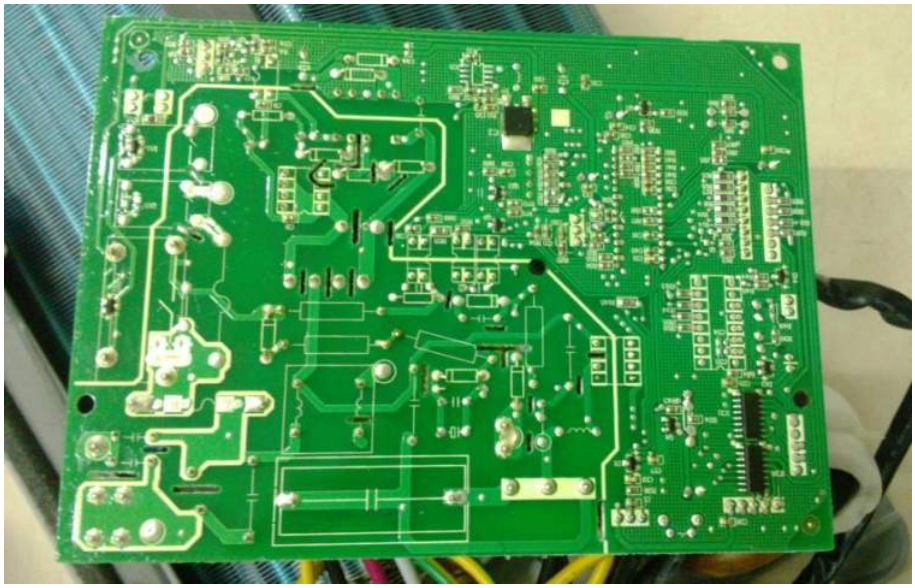

Attachment 4

Details of: Control PCB of indoor unit(MS12FI-07HRDN1-QRC8W)

View:

☒ general

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☐ top

☐ bottom

Details of: General view of indoor unit (MS12FU-12HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS12FU-12HRFN1-QRC8W)

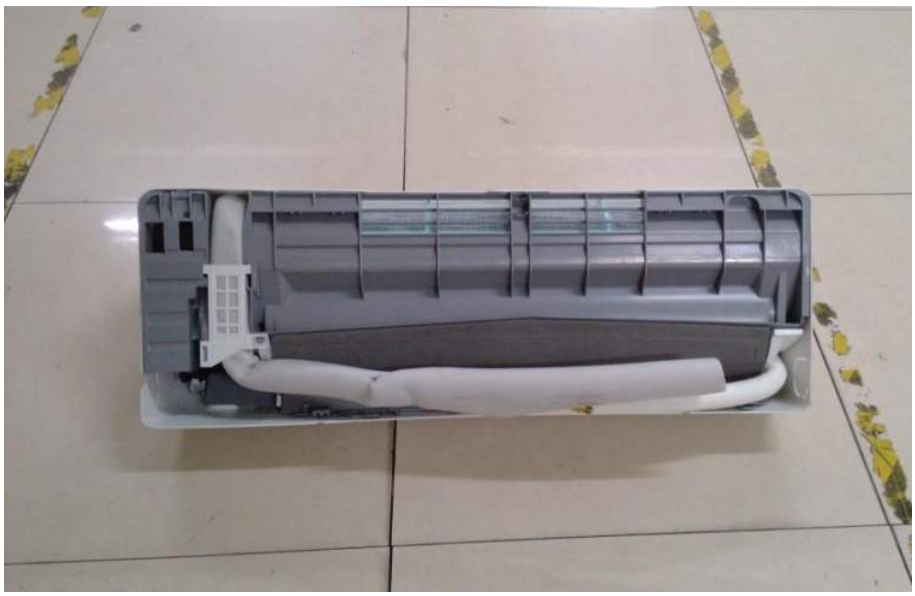
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS12FU-12HRFN1-QRC8W)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: General view of indoor unit (MS12FU-12HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ top

☐ bottom

Details of: General view of indoor unit (MS12FU-12HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

☐ right

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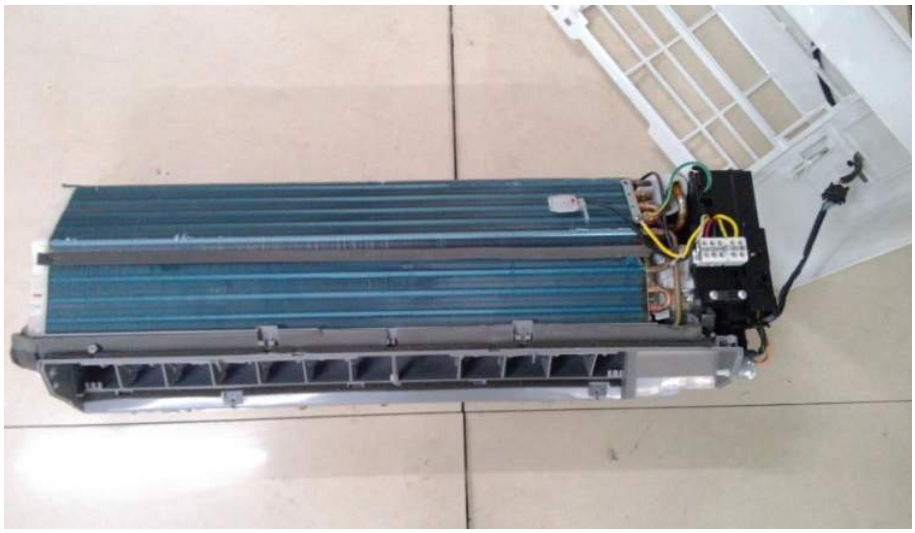

Attachment 4

Details of: Inner view of indoor unit(MS12FU-12HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

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☐ top

☐ bottom

Details of: PCB of indoor unit(MS12FU-12HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

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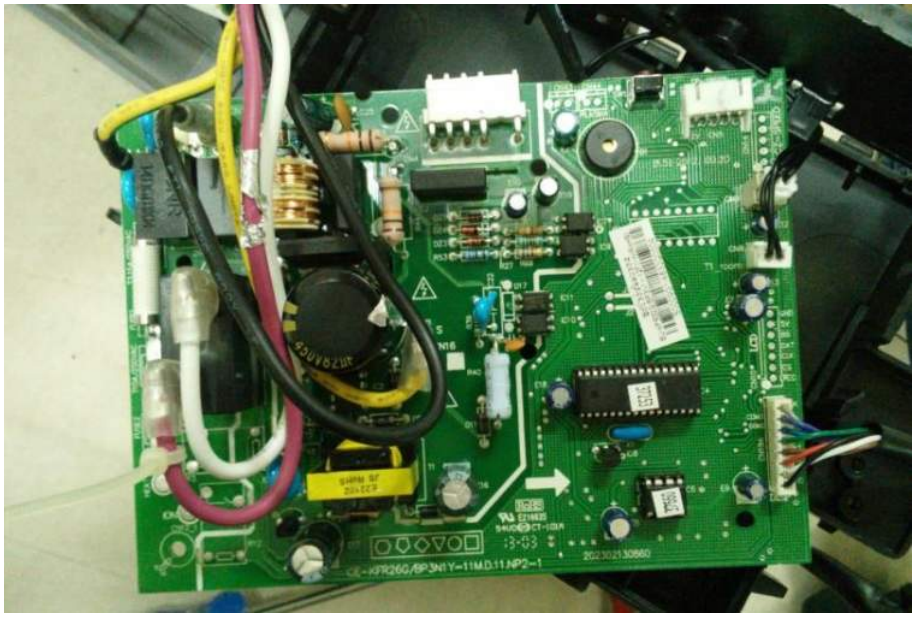

Attachment 4

Details of: PCB lay-out of indoor unit(MS12FU-12HRFN1-QRC8W)

View:

☒ general

☐ front

☐ rear

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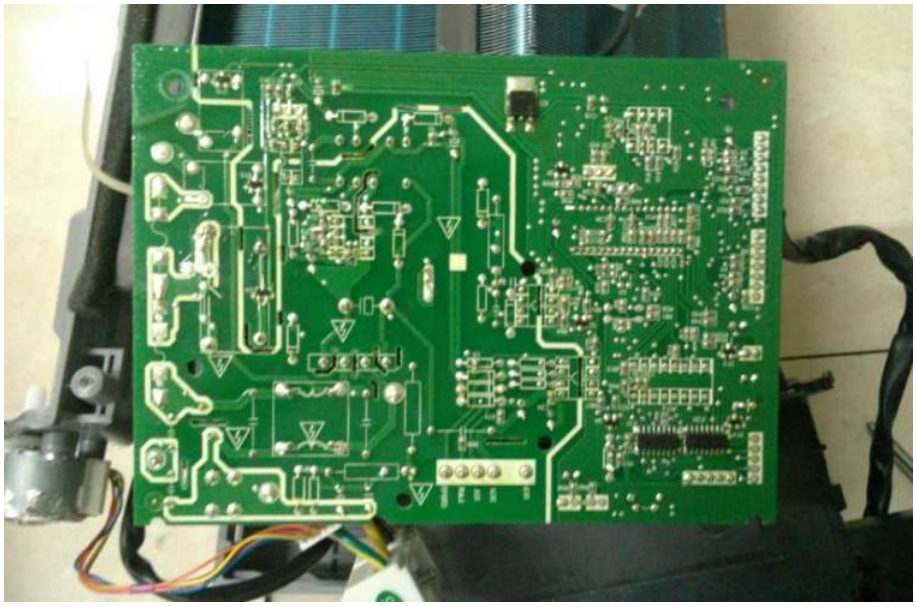

Details of: Control PCB of indoor unit(MS12FU-12HRFN1-QRC8W)

View:

☒ general

☐ front

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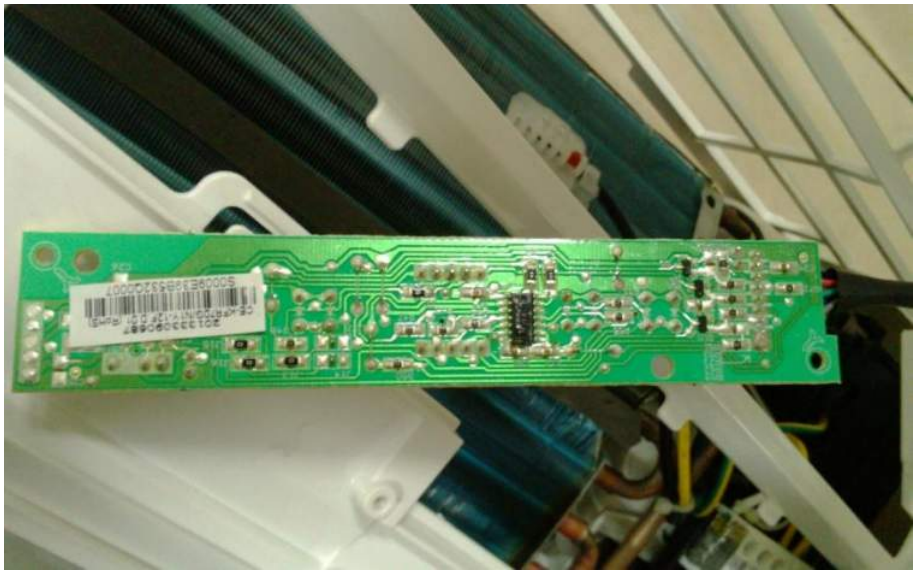
☐ bottom



Attachment 4

Details of: General view of indoor unit (MTBI-18HWDN1-QRC8)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of unit (MTBI-18HWDN1-QRC8)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of unit (MTBI-18HWDN1-QRC8)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of unit (MTBI-18HWDN1-QRC8)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of unit (MTBI-18HWDN1-QRC8)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of unit (MTBI-18HWDN1-QRC8)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB of unit (MTBI-18HWDN1-QRC8)

View:

☒ general

☐ front

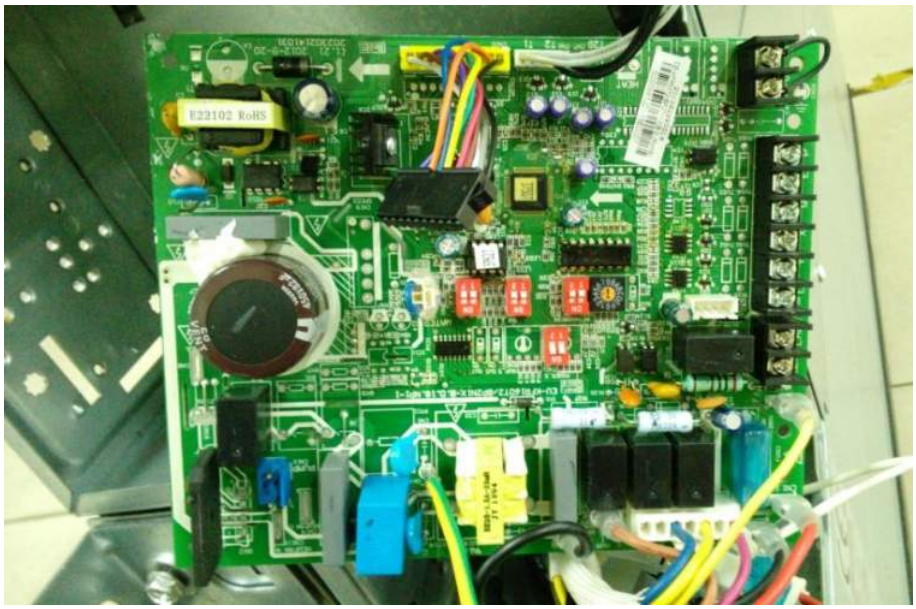
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB lay-out of unit (MTBI-18HWDN1-QRC8)

View:

☒ general

☐ front

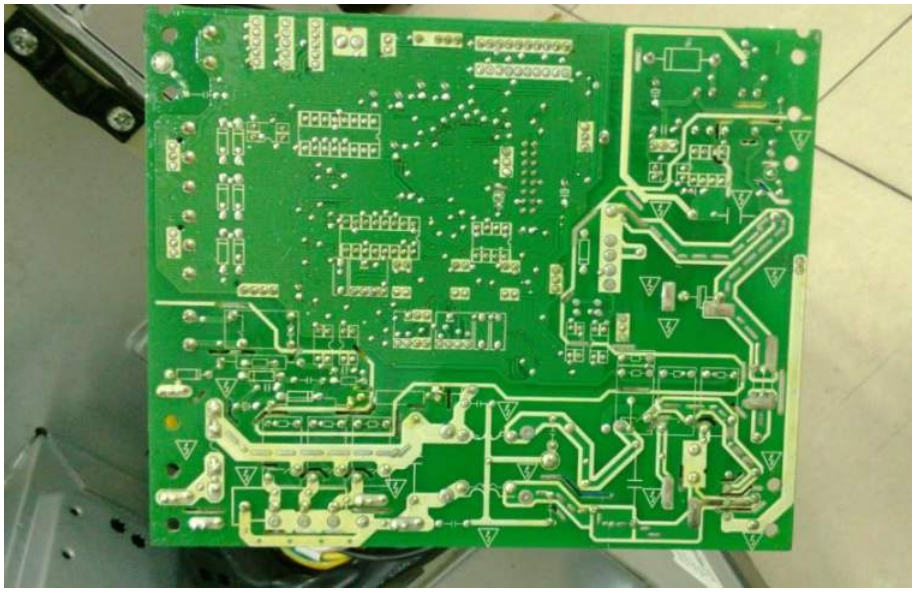
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of indoor unit MFAI-07HRFN1-QRC8

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MFAI-07HRFN1-QRC8

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MFAI-07HRFN1-QRC8

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MFAI-07HRFN1-QRC8

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MFAI-07HRFN1-QRC8

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit MFAI-07HRFN1-QRC8

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit MFAI-07HRFN1-QRC8

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit MFAI-07HRFN1-QRC8

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit MFAI-07HRFN1-QRC8

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

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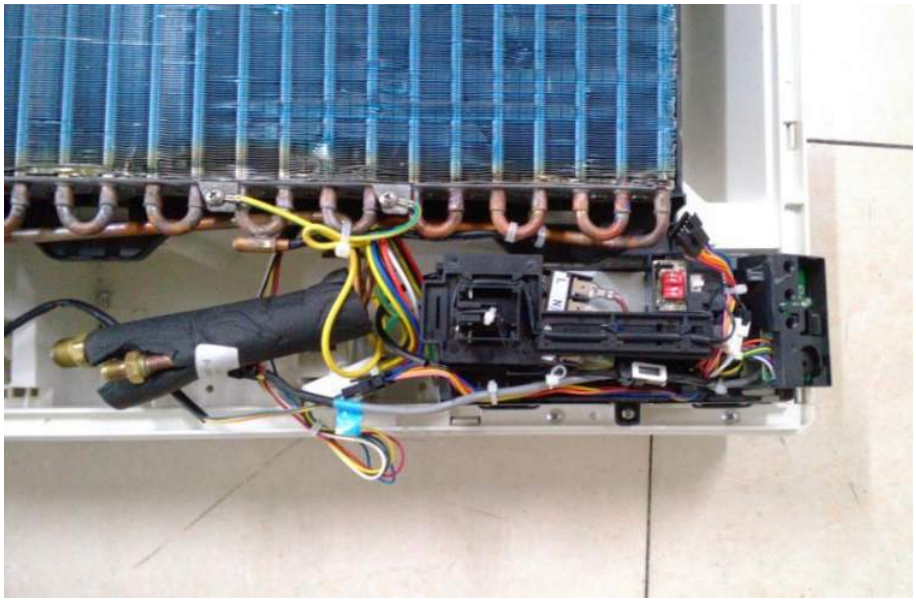


Details of: Inner view of indoor unit MFAI-07HRFN1-QRC8

View:

☒ general

☐ front

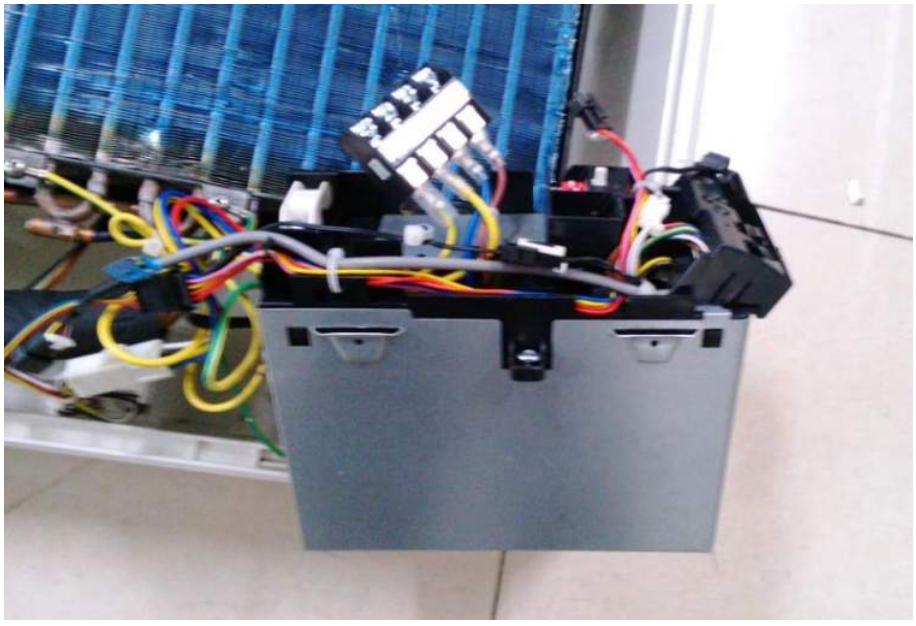
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Inner view of indoor unit MFAI-07HRFN1-QRC8

View:

☒ general

☐ front

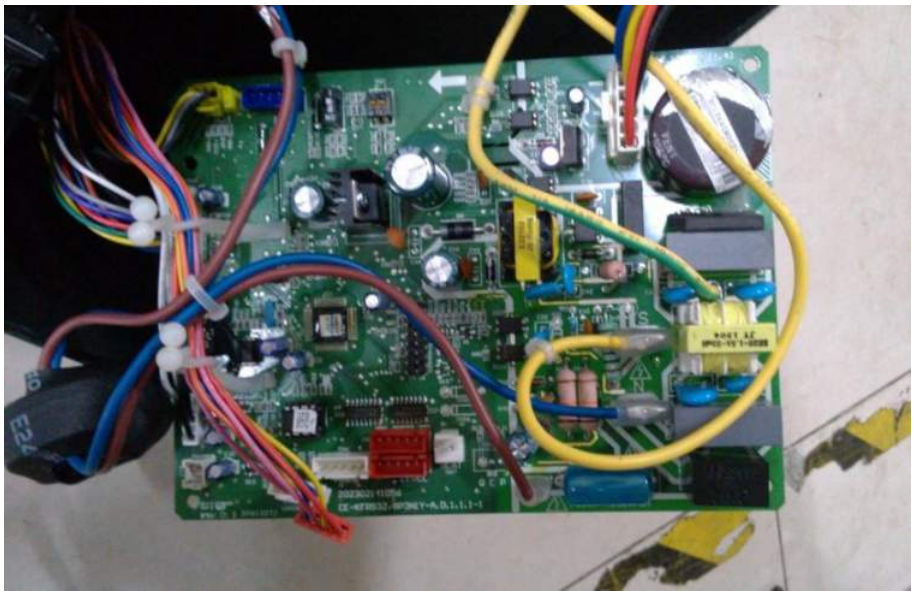
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Inner view of indoor unit MFAI-07HRFN1-QRC8

View:

☒ general

☐ front

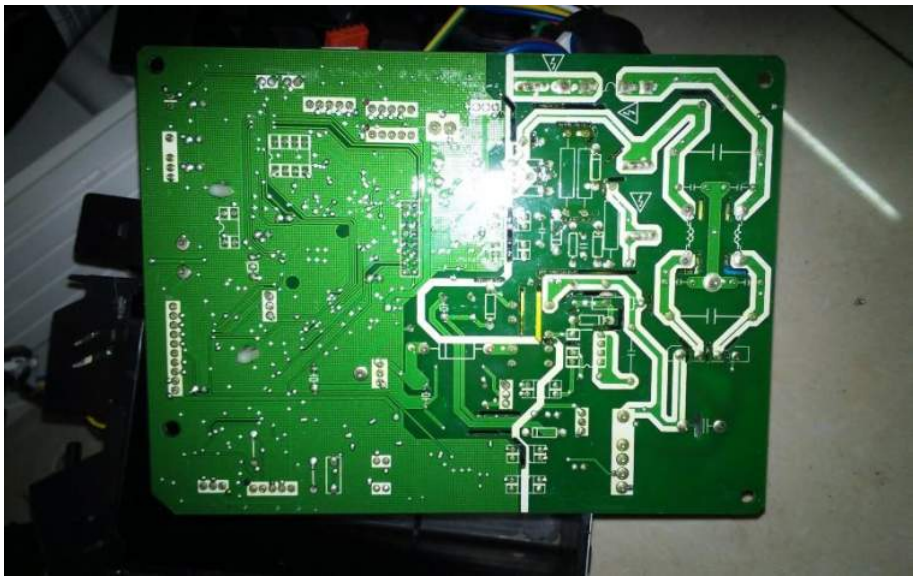
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Inner view of indoor unit MFAI-07HRFN1-QRC8

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of indoor unit MFAI-07HRFN1-QRC8

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MFAI-18HRFN1-QRC8

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MFAI-18HRFN1-QRC8

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of indoor unit MFAI-18HRFN1-QRC8 – evaporator

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MCA2I-18HRDN1-QRC8 After remove the panel cover

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MCA2I-18HRDN1-QRC8

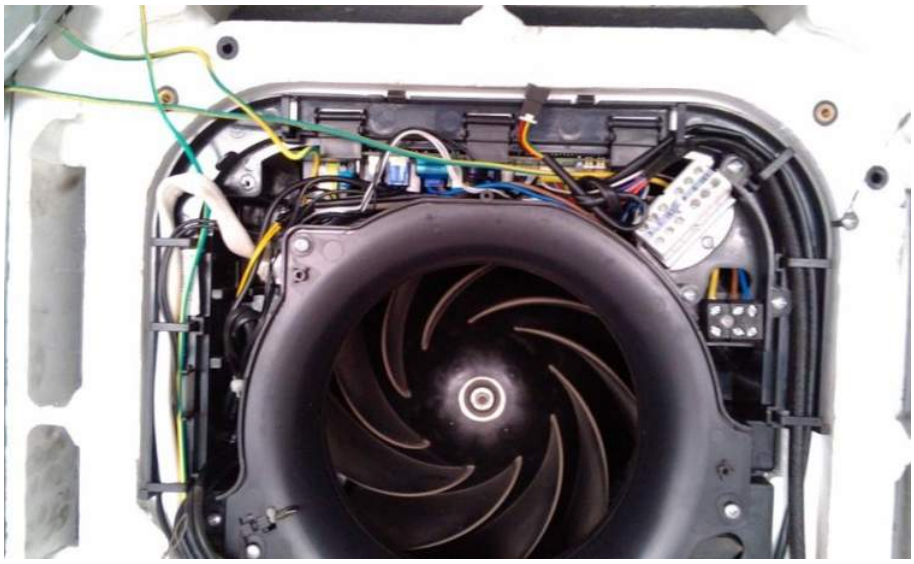
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit MCA2I-18HRDN1-QRC8

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Inner view of indoor unit MCA2I-18HRDN1-QRC8

View:

☒ general

☐ front

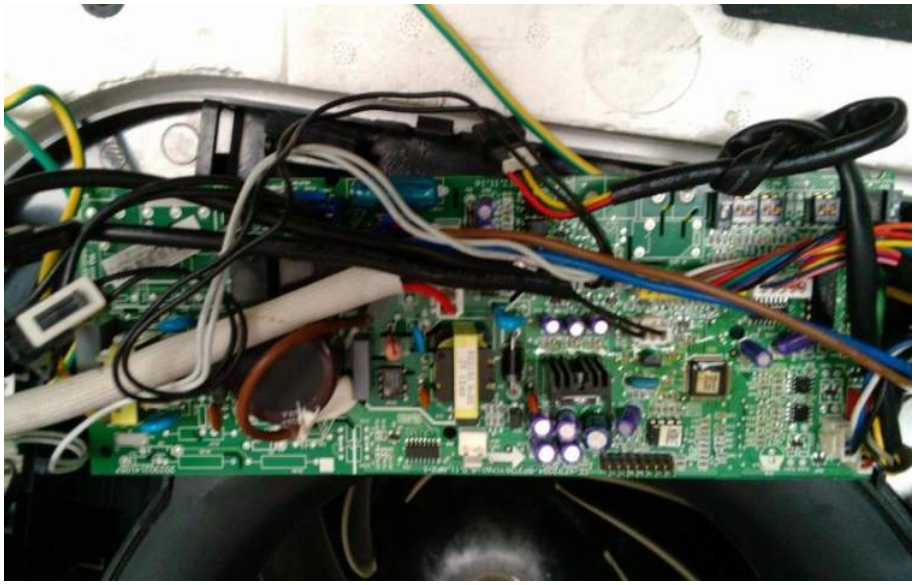
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Inner view of indoor unit MCA2I-18HRDN1-QRC8

View:

☒ general

☐ front

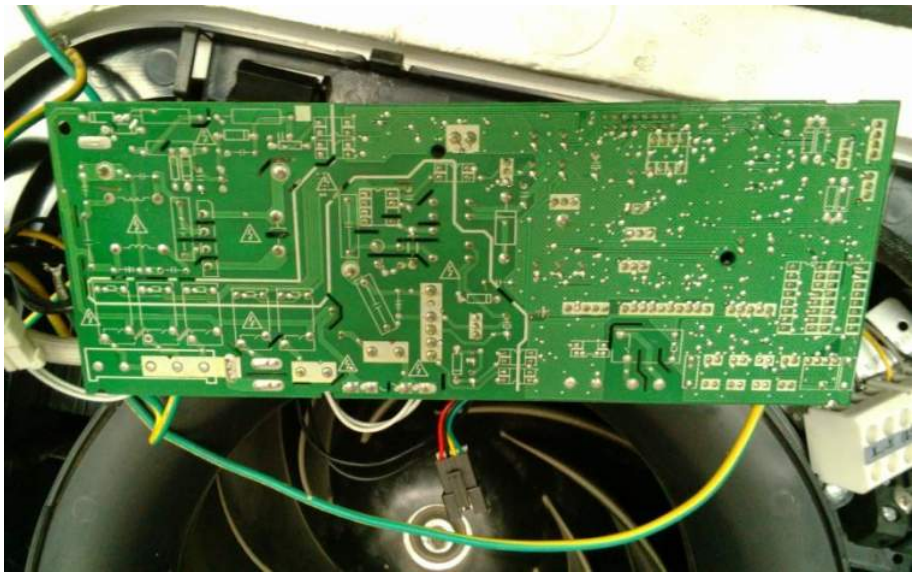
☐ rear

☐ right

☐ left

☐ top

☐ bottom

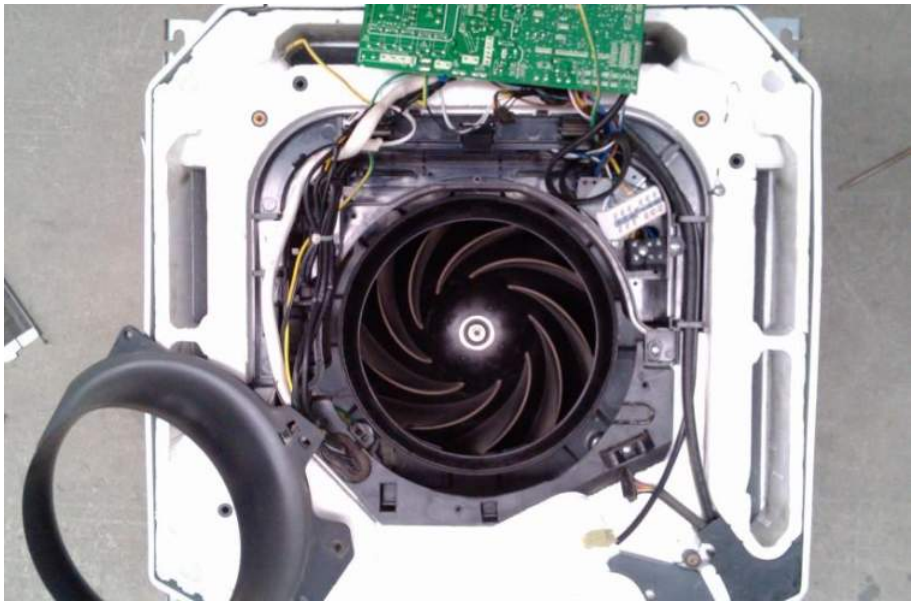


Attachment 4

Details of: Inner view of indoor unit MCA2I-18HRDN1-QRC8

View:

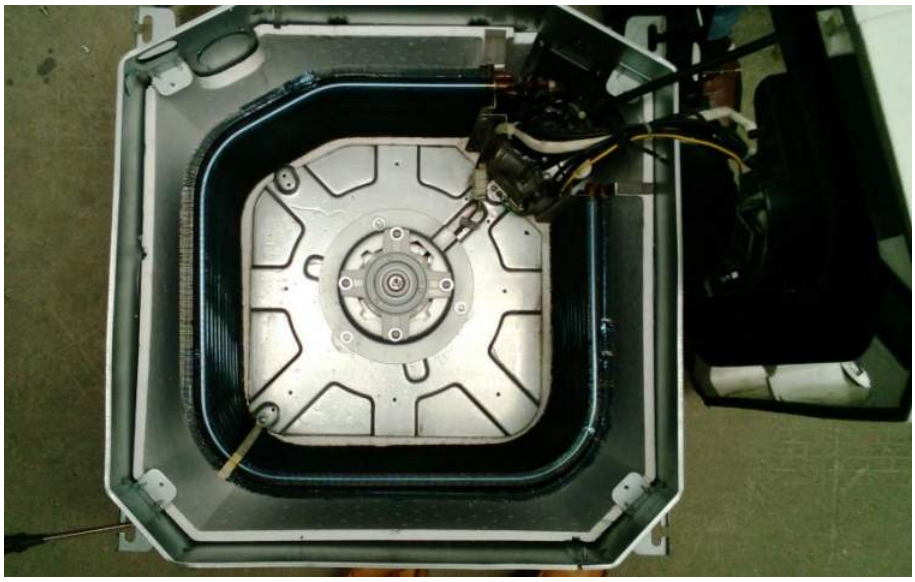
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Inner view of indoor unit MCA2I-18HRDN1-QRC8

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: General view of outdoor unit (M2OD-18HFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of outdoor unit (M2OD-18HFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of outdoor unit (M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB 1 of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB 1 lay-out of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

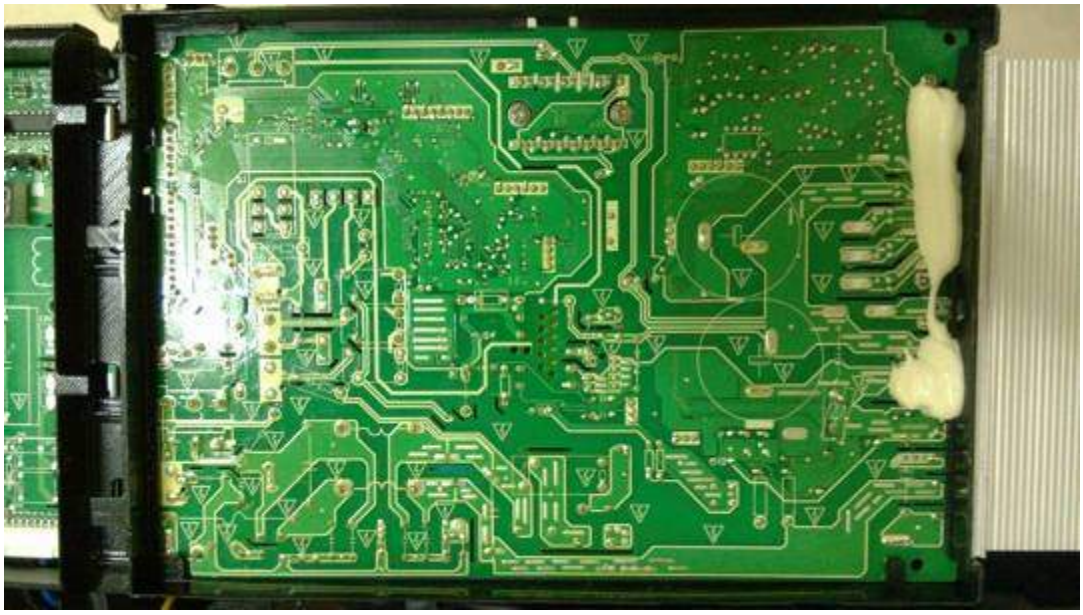
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: PCB 2 of outdoor unit (M2OD-18HFN1-Q)

View:

☒ general

☐ front

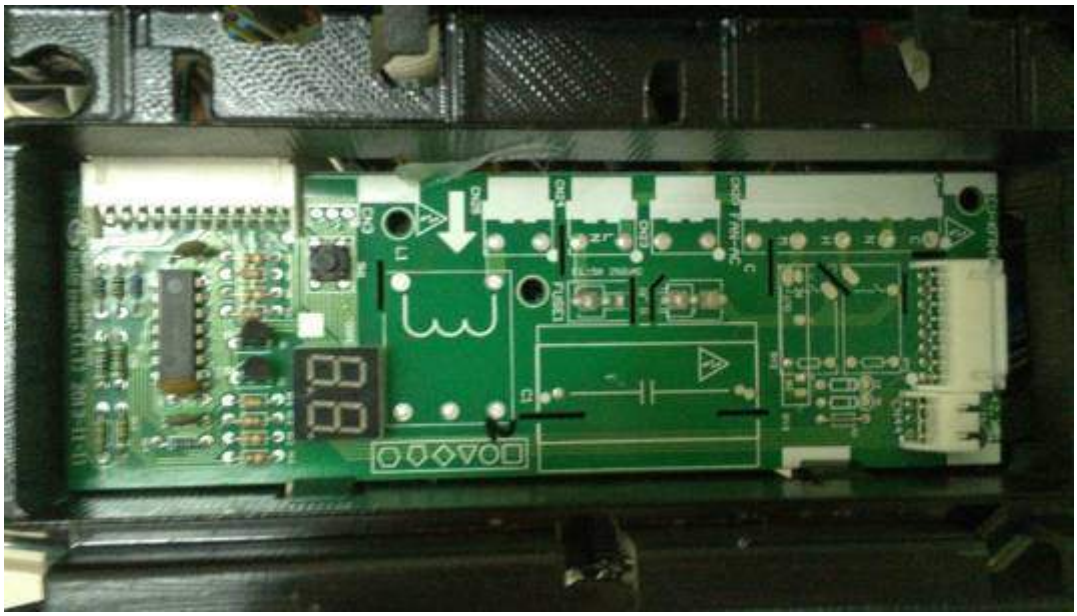
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB 2 lay-out of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

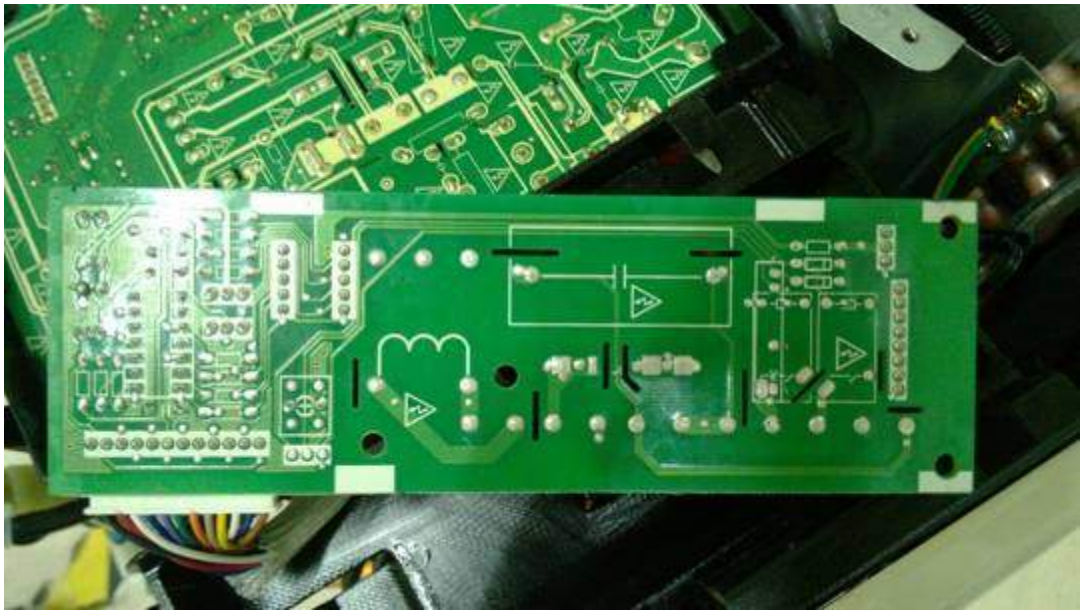
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Terminal block of outdoor unit(M2OD-18HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB 1 of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB 1 lay-out of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB 2 of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB 2 lay-out of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

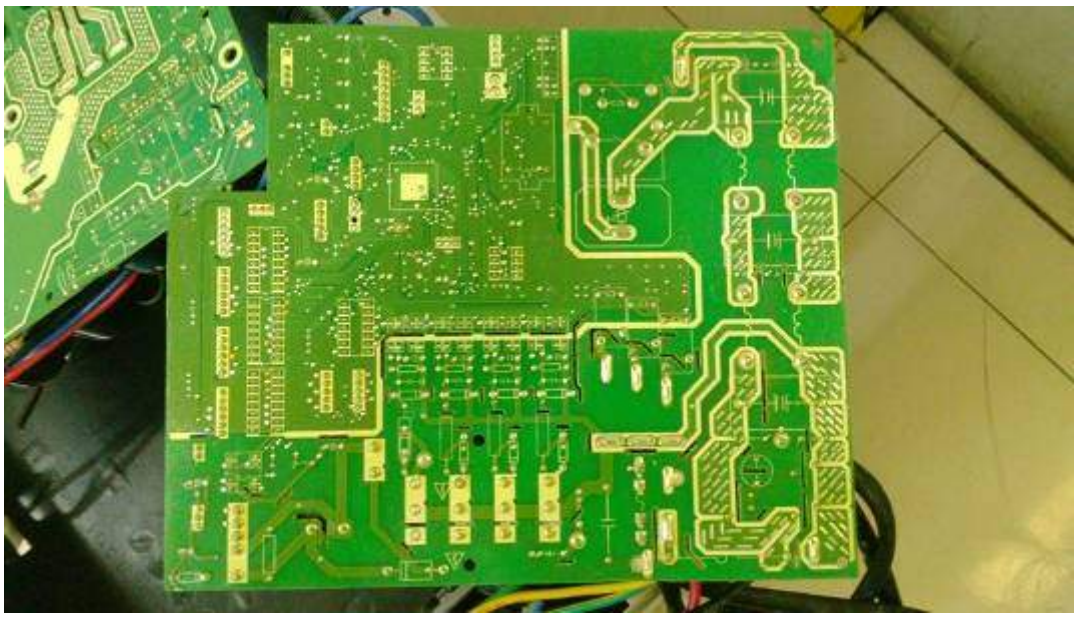
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Terminal block of outdoor unit (M3OD-26HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit(MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit(MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: PCB of indoor unit(MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

☒ general

☐ front

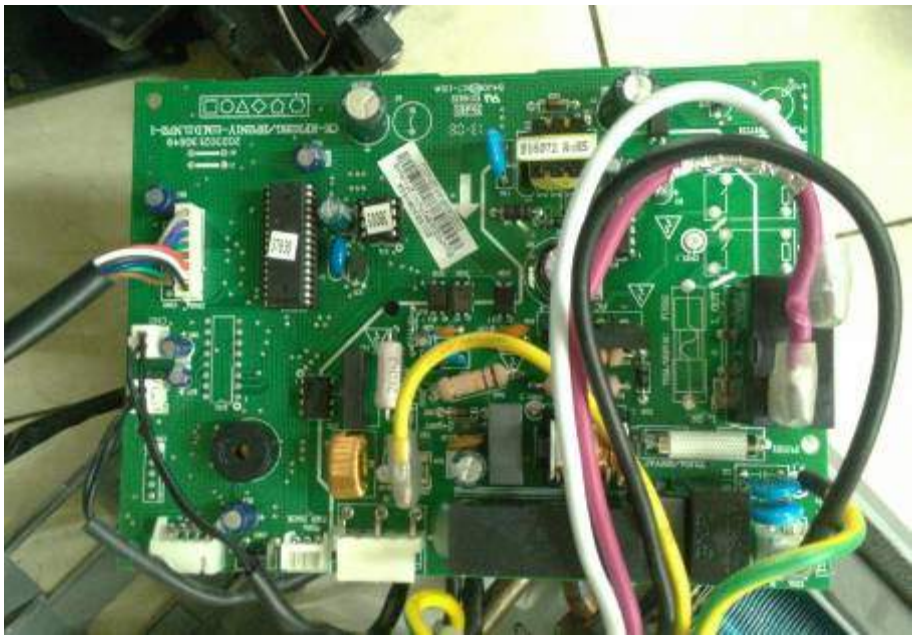
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB lay-out of indoor unit(MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

☒ general

☐ front

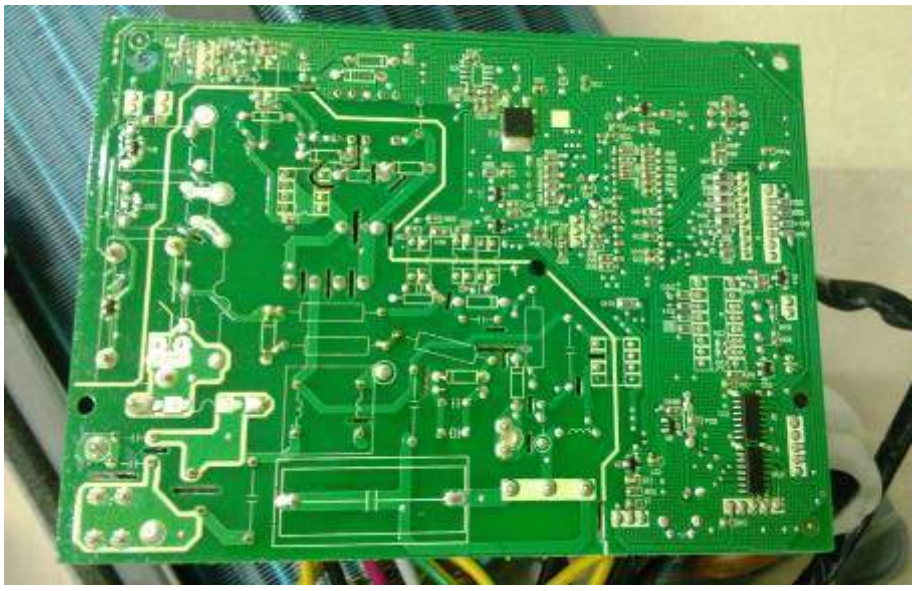
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Control PCB of indoor unit(MS12FU-09HRDN1-QRC8GW, MS12FU-12HRDN1-QRC8GW)

View:

☒ general

☐ front

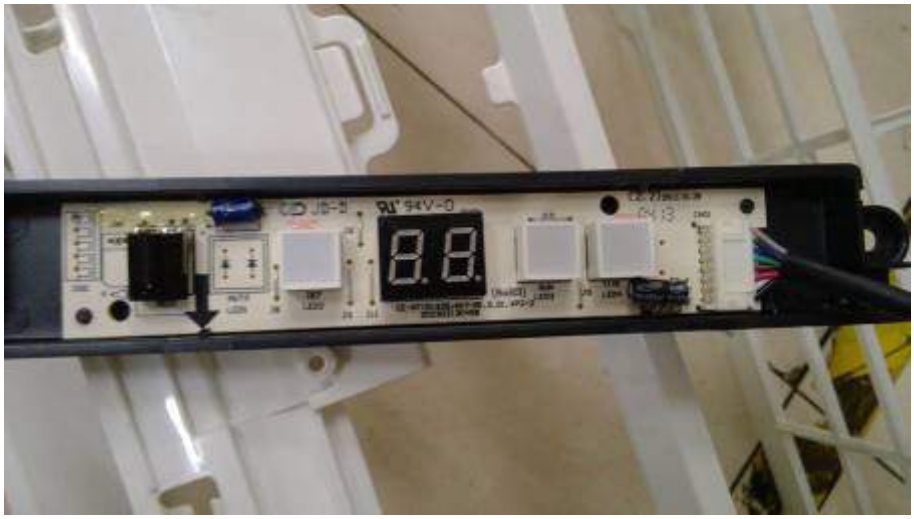
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of indoor unit (MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW(B), MS12FU-18HRFN1-QRC8GW, MS12FU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW(B), MS12FU-18HRFN1-QRC8GW, MS12FU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW(B), MS12FU-18HRFN1-QRC8GW, MS12FU-18HRFN1-QRD0GW)

View:

☒ general

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☐ right

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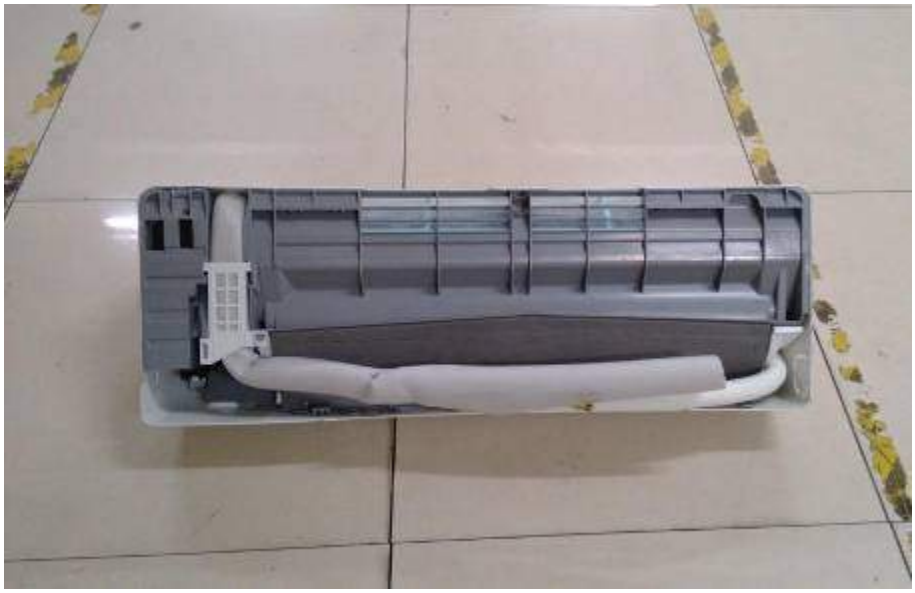

Attachment 4

Details of: General view of indoor unit (MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW(B), MS12FU-18HRFN1-QRC8GW, MS12FU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit(MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW(B), MS12FU-18HRFN1-QRC8GW, MS12FU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW(B), MS12FU-18HRFN1-QRC8GW, MS12FU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

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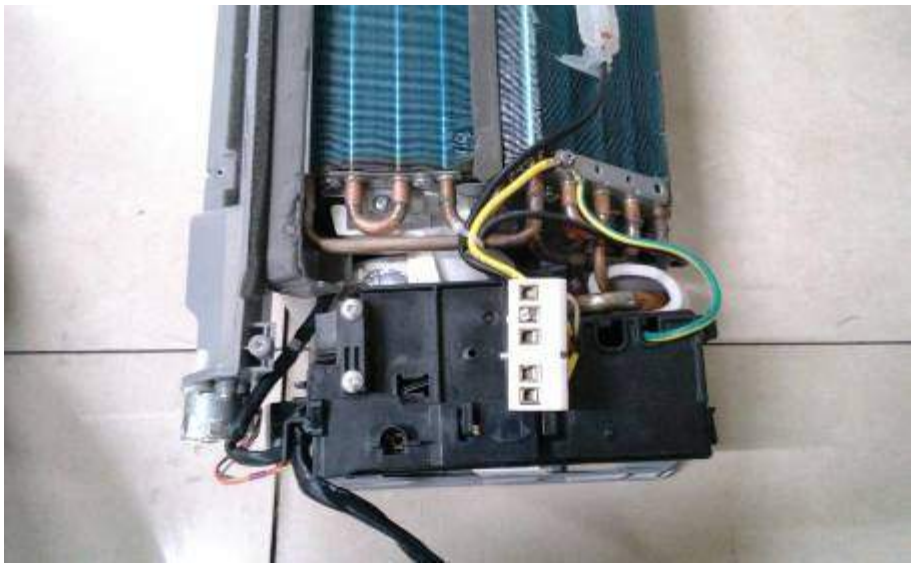
☐ top

☐ bottom



Details of: PCB of indoor unit (MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW(B), MS12FU-18HRFN1-QRC8GW, MS12FU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: PCB lay-out of indoor unit (MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW(B), MS12FU-18HRFN1-QRC8GW, MS12FU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

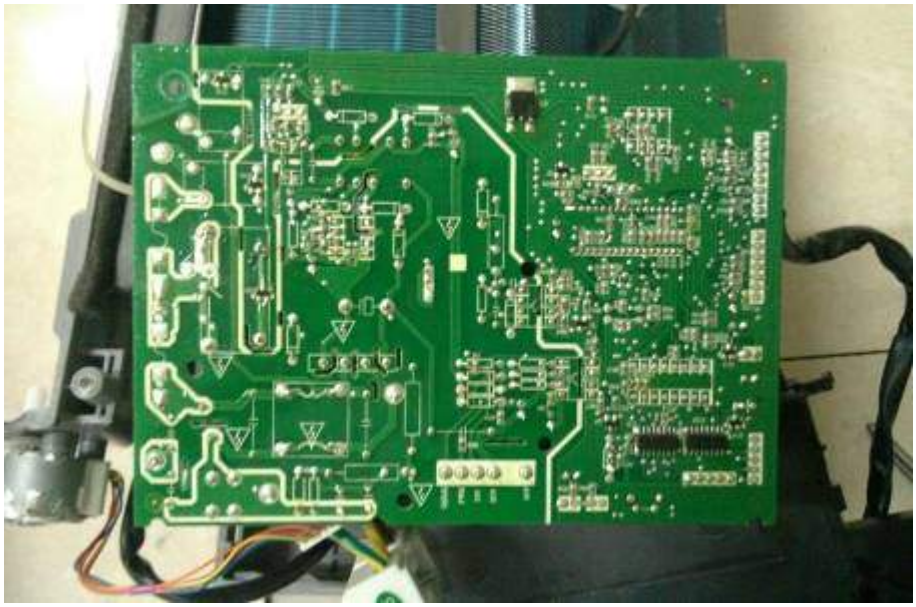
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Control PCB of indoor unit (MS12FU-09HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW, MS12FU-12HRFN1-QRD0GW(B), MS12FU-18HRFN1-QRC8GW, MS12FU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M2OD-16HFN1-Q)

View:

☒ general

☐ front

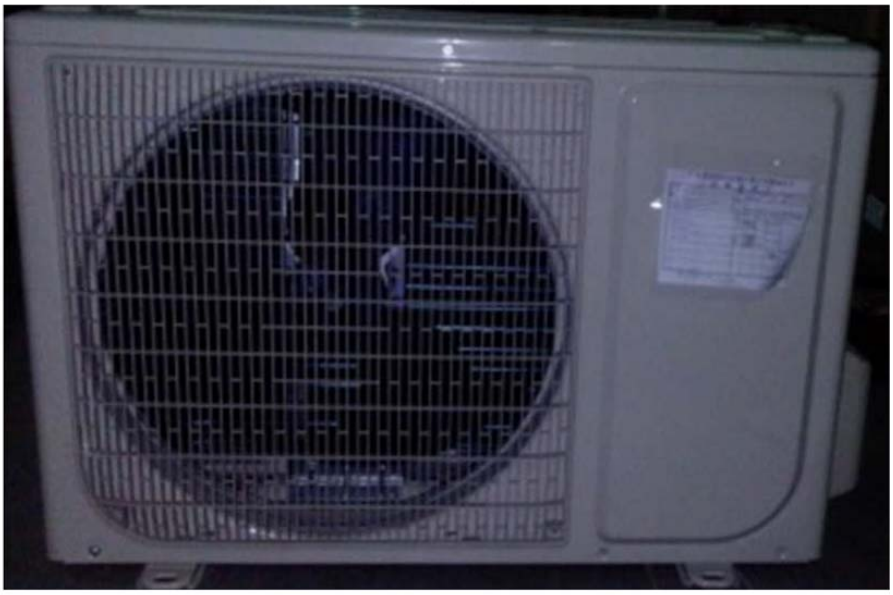
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of outdoor unit (M2OD-16HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M2OD-16HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit(M2OD-16HFN1-Q)

View:

☒ general

☐ front

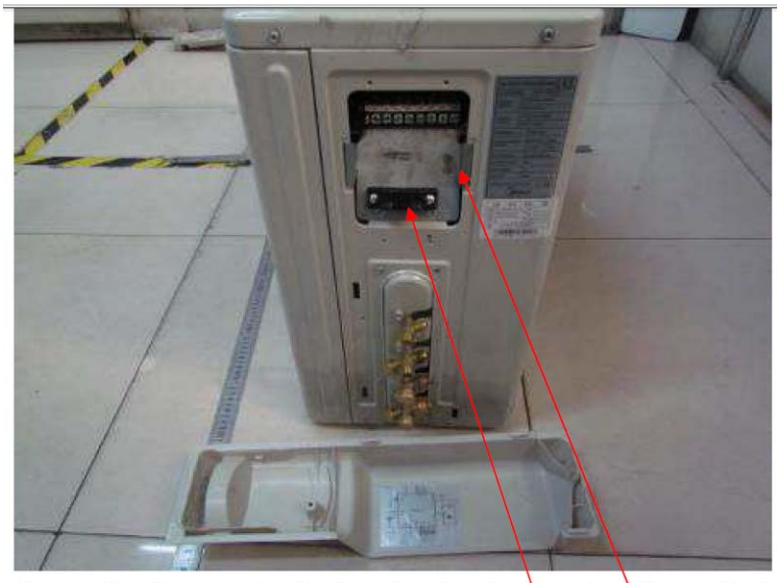
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Remove the side cover view (location of cord anchorage and earthing marking)

Attachment 4

Details of: Inner view of outdoor unit(M2OD-16HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit(M2OD-16HFN1-Q)

View:

☒ general

☐ front

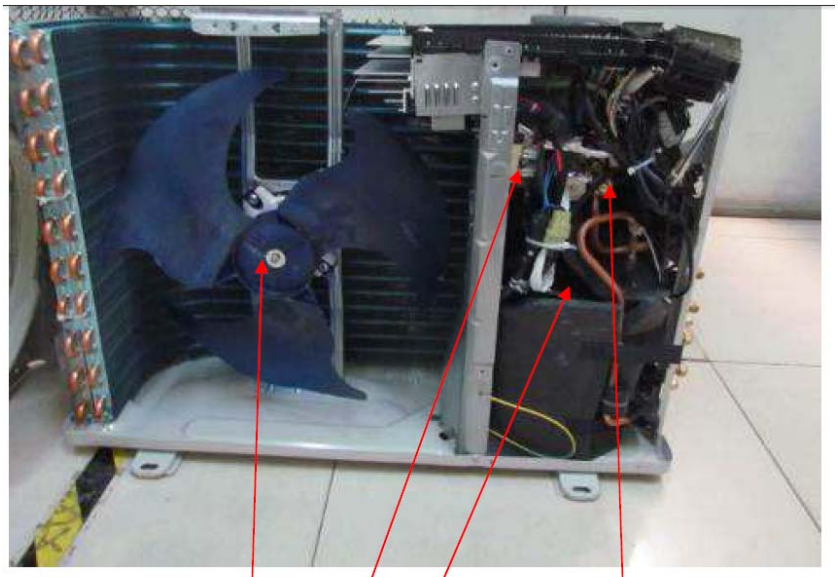
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Location of fan motor, reactor, compressor and 4 way valve

Attachment 4

Details of: PCB of outdoor unit(M2OD-16HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB lay-out of outdoor unit(M2OD-16HFN1-Q)

View:

☒ general

☐ front

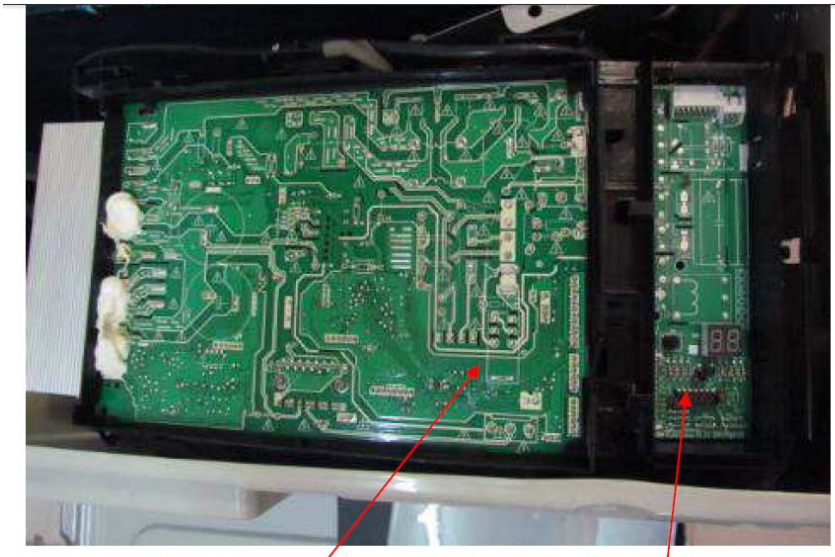
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Internal view of electrical box (main PCB and display PCB for maintain checking use)

Attachment 4

Details of: General view of outdoor unit (M5OD-42HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M5OD-42HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M5OD-42HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M5OD-42HFN1-Q)

View:

☒ general

☐ front

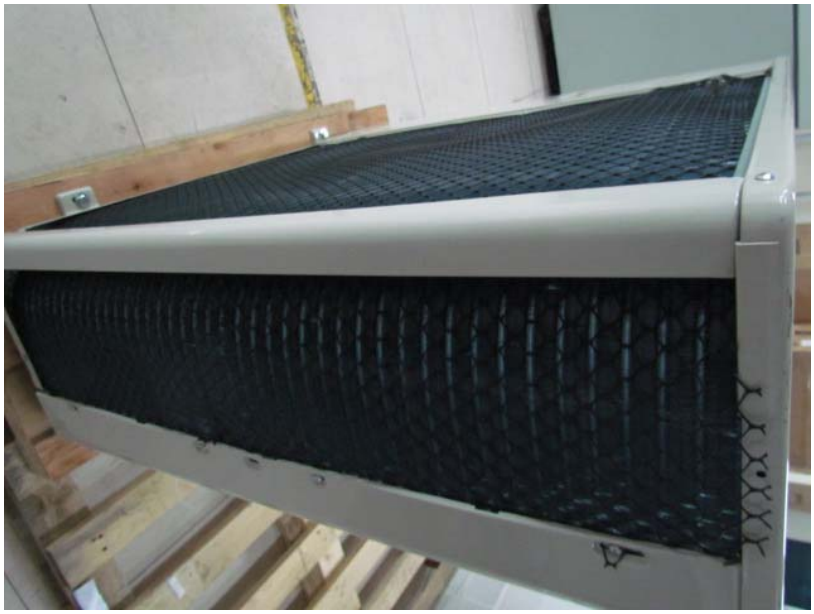
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Inner view of outdoor unit (M5OD-42HFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of outdoor unit (M5OD-42HFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of outdoor unit (M5OD-42HFN1-Q)

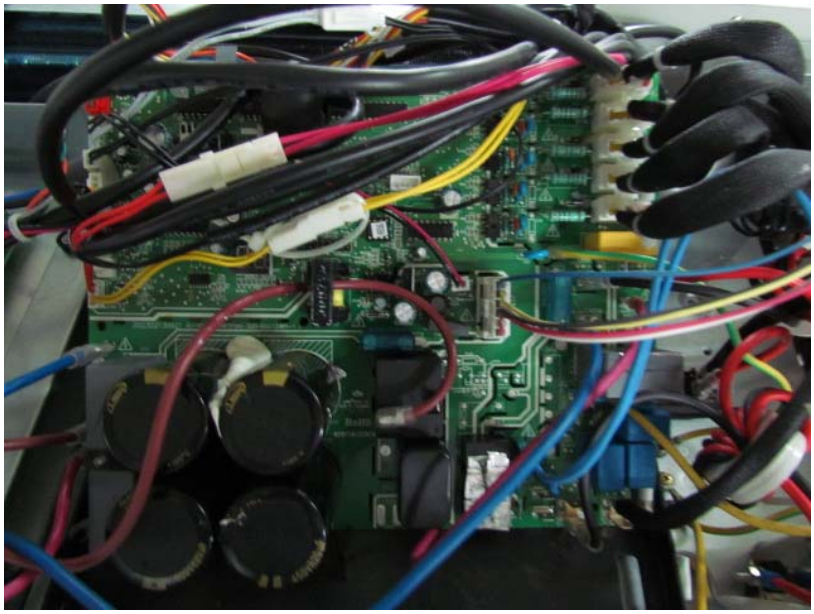
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: PCB of outdoor unit(M5OD-42HFN1-Q)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: PCB lay-out of outdoor unit(M5OD-42HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

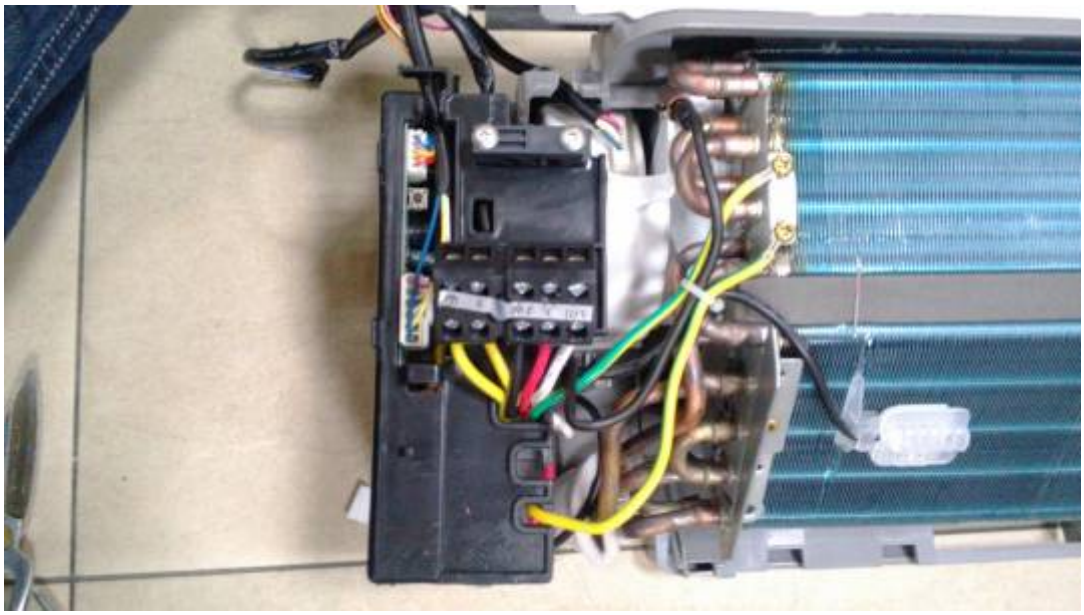
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: PCB of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

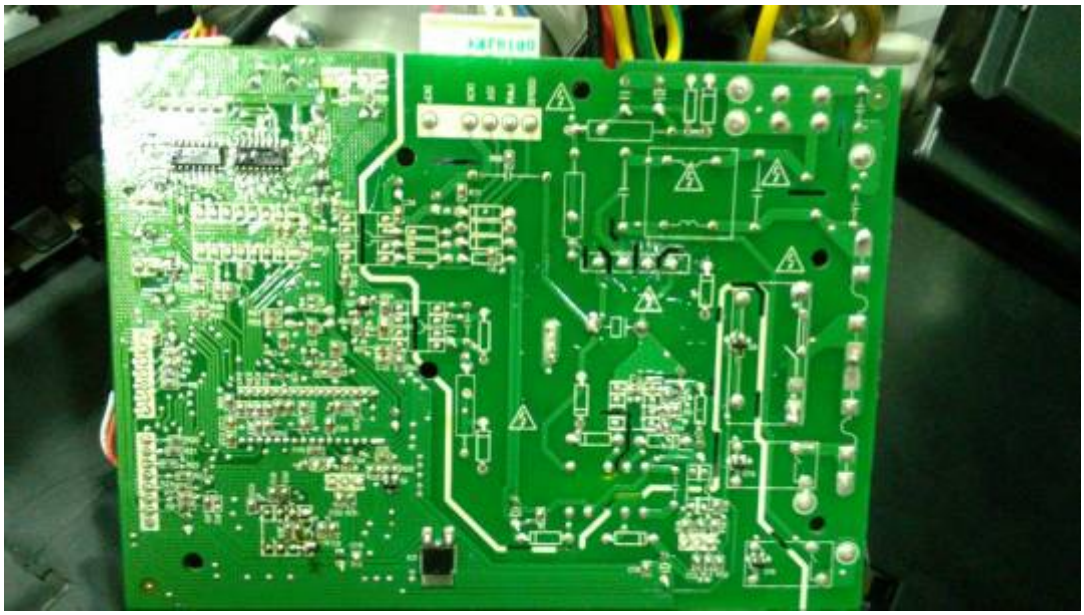
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: PCB lay-out of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

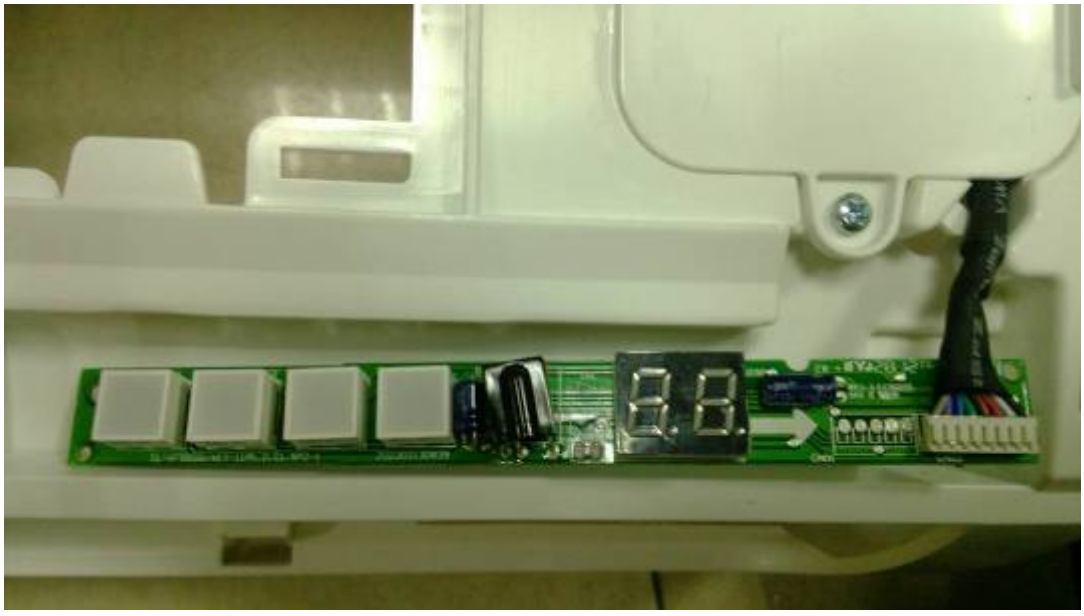
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Display PCB lay-out of indoor unit (MS11MU-09HRFN1-QRD0GW(A))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

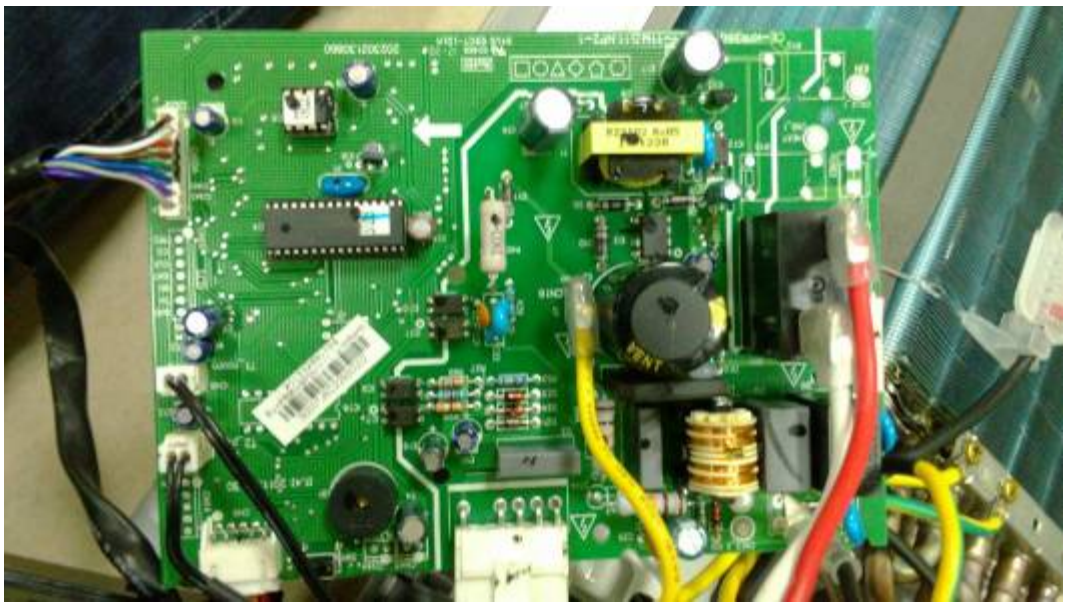
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: PCB of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

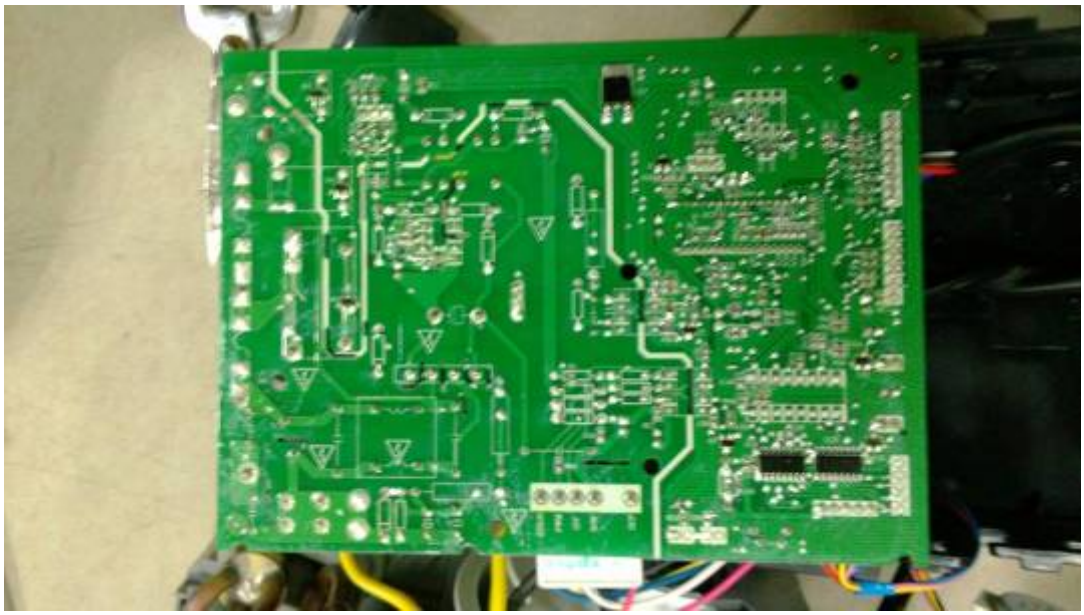


Attachment 4

Details of: PCB lay-out of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

View:

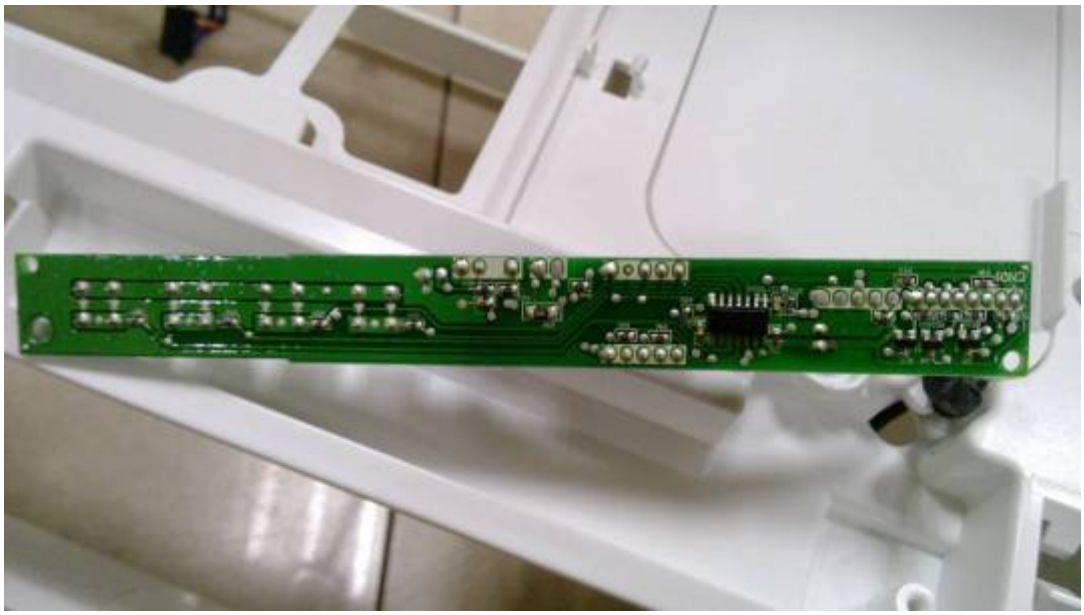
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Display PCB lay-out of indoor unit (MS11MU-12HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

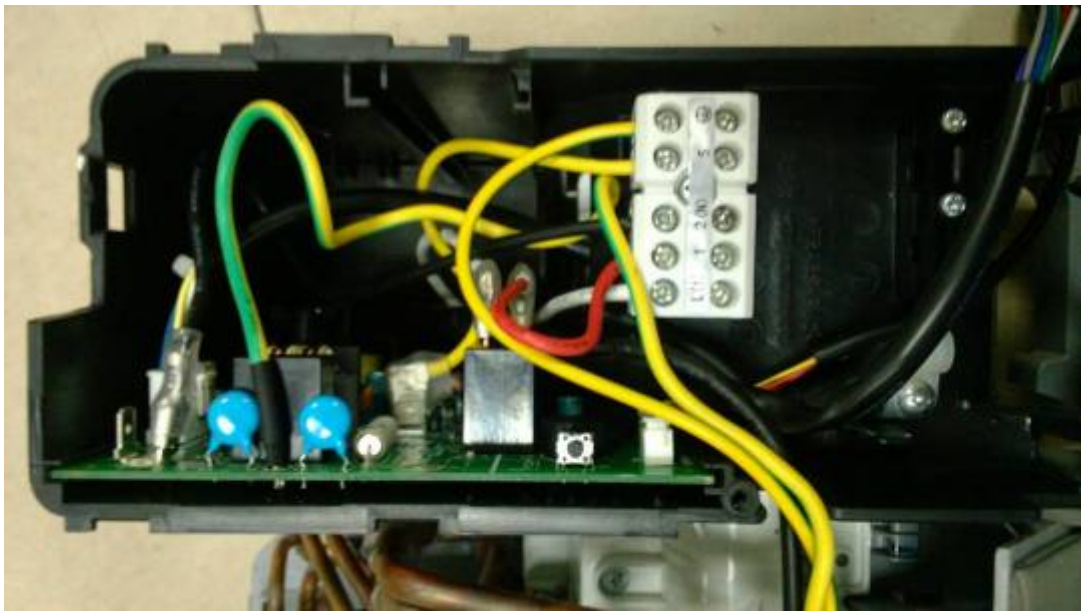
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

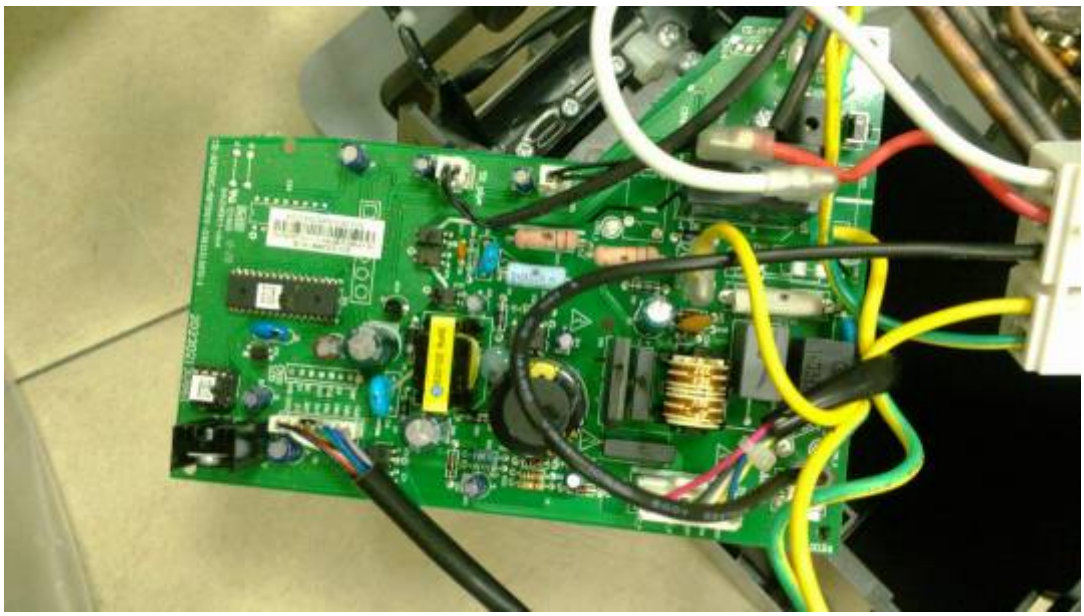
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: PCB of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

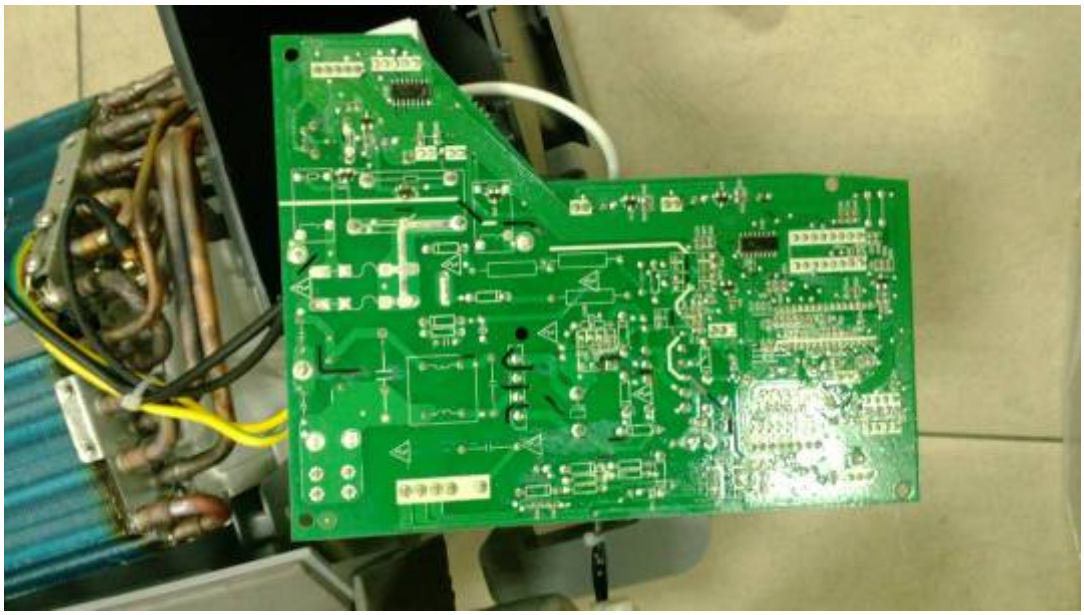


Attachment 4

Details of: PCB lay-out of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Display PCB lay-out of indoor unit (MS11MU-18HRFN1-QRD0GW(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: PCB of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1- QRD0GW(B))

View:

☒ general

☐ front

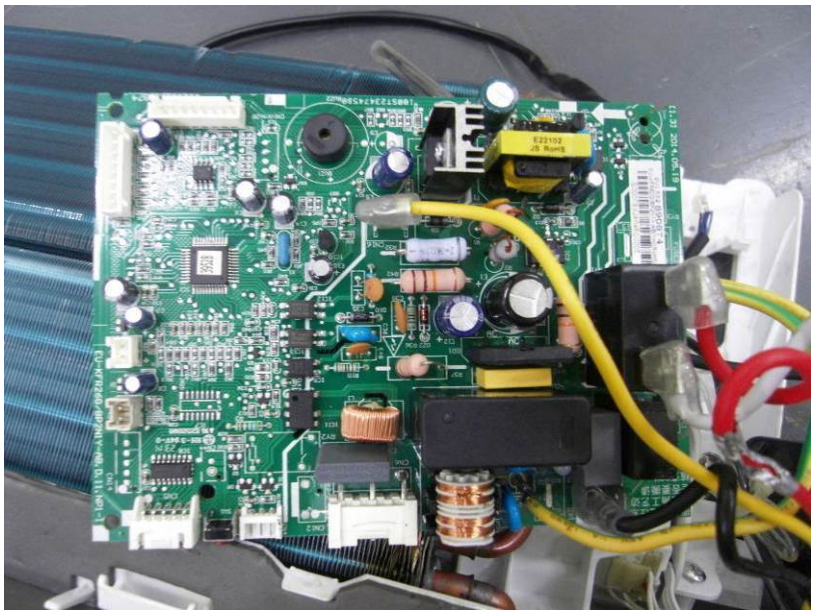
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB lay-out of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(B))

View:

☒ general

☐ front

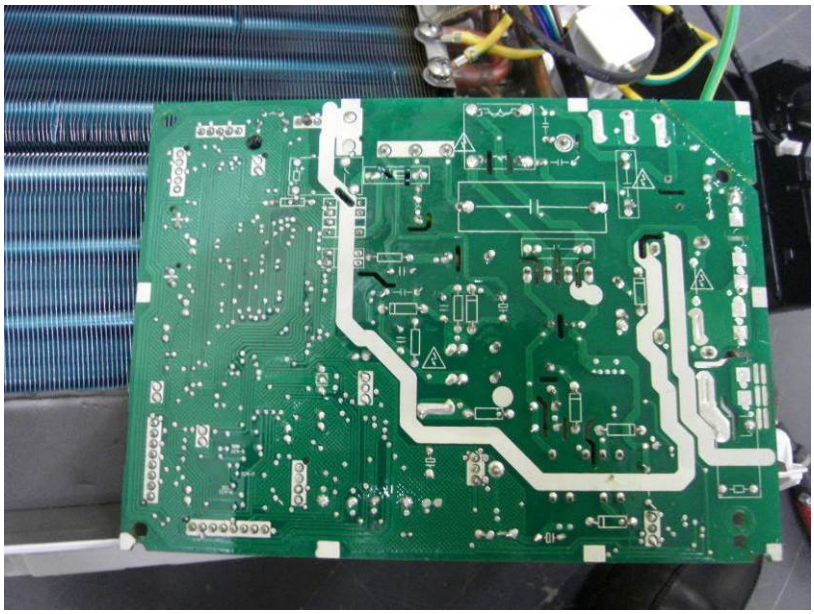
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Control PCB of indoor unit (MS12FU-09HRDN1-QRD0GW(B), MS12FU-12HRDN1-QRD0GW(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

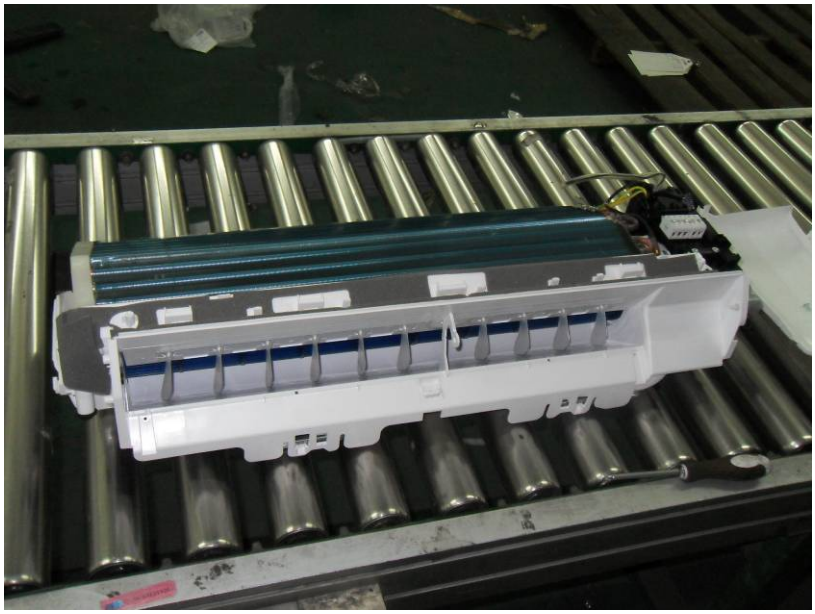
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

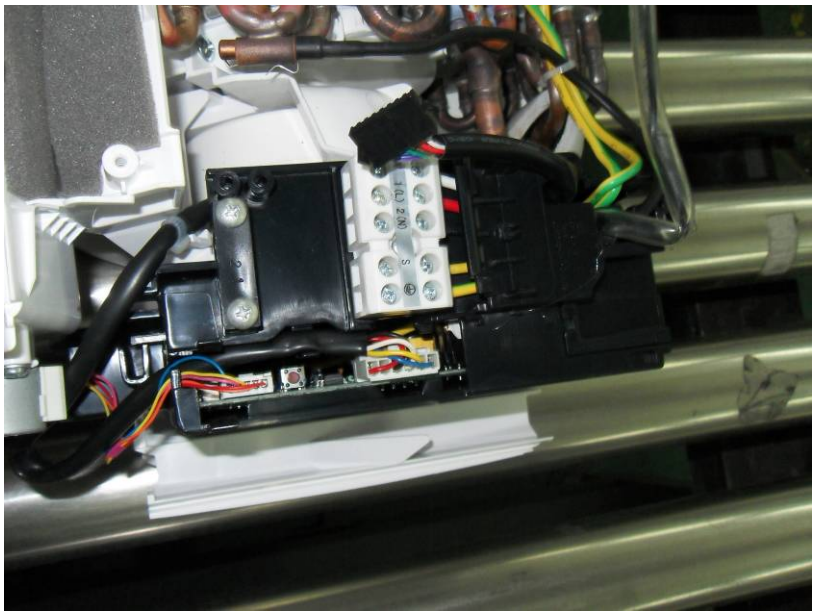


Attachment 4

Details of: Inner view of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

View:

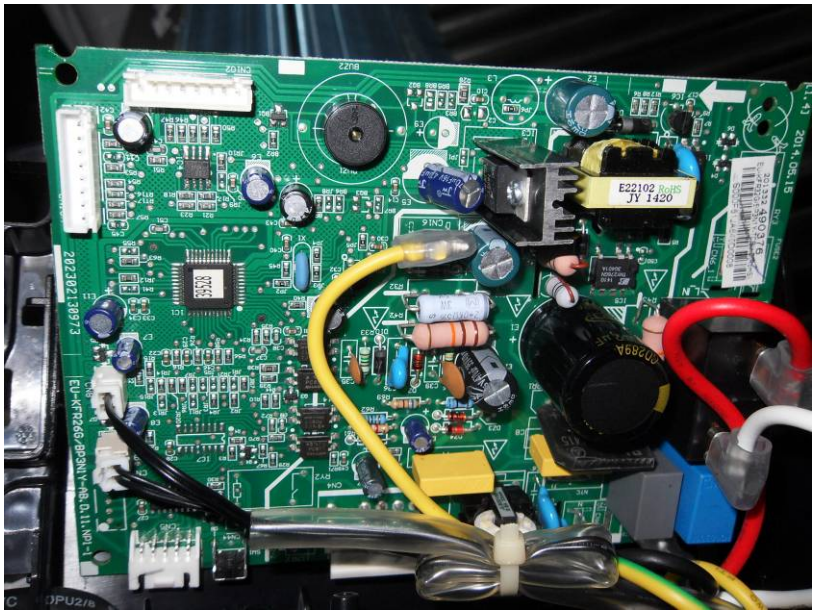
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: PCB of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: PCB lay-out of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

View:

☒ general

☐ front

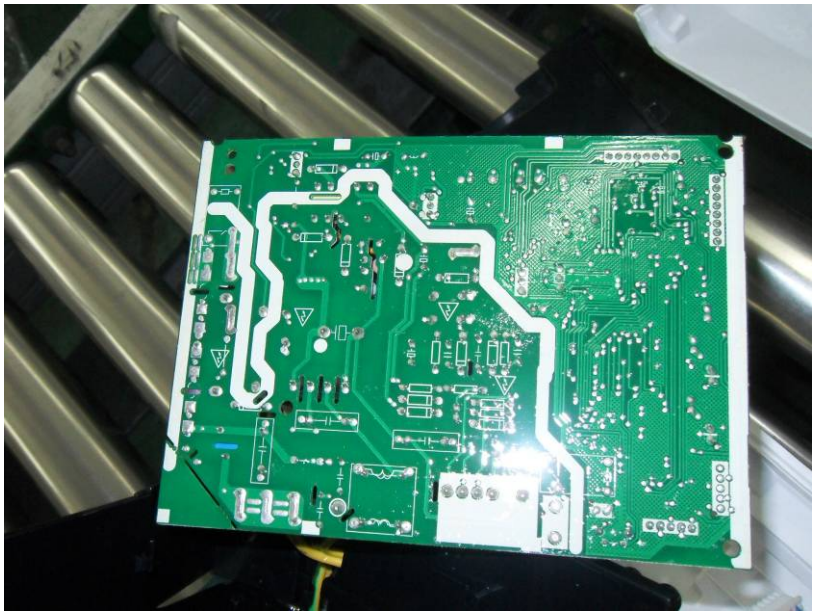
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Display PCB lay-out of indoor unit (MSTCAU-09HRFN1-QRD0GW, MSTCBU-12HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

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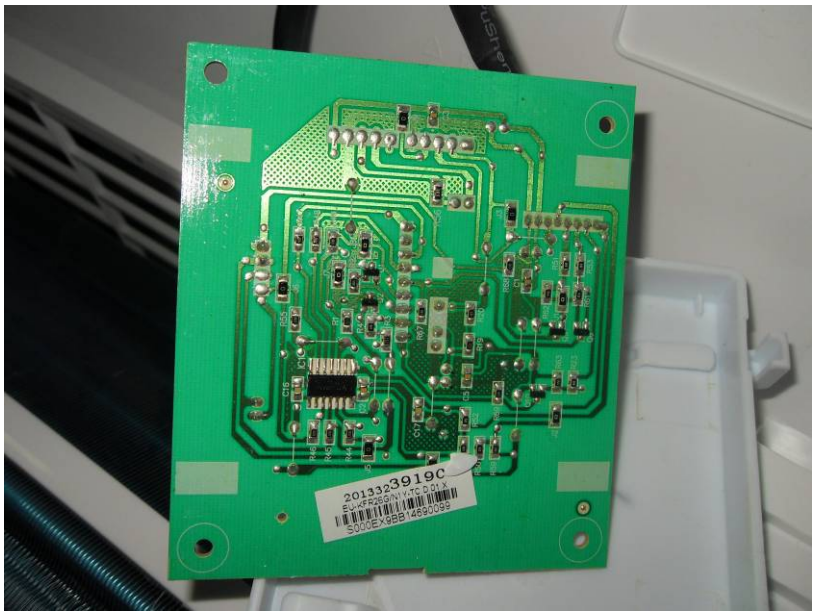

Details of: General view of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ bottom

Attachment 4

Details of: General view of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

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☐ top

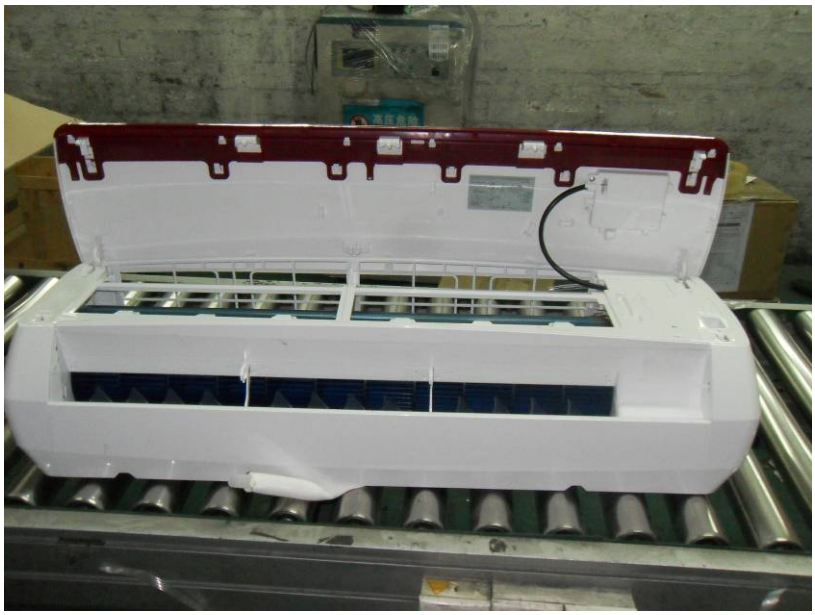
☐ bottom

Attachment 4

Details of: General view of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

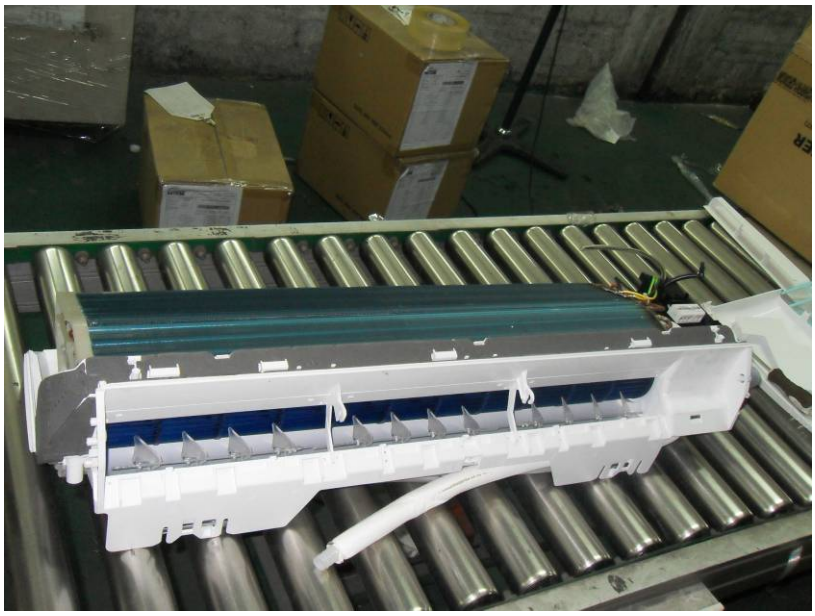
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Inner view of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Inner view of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

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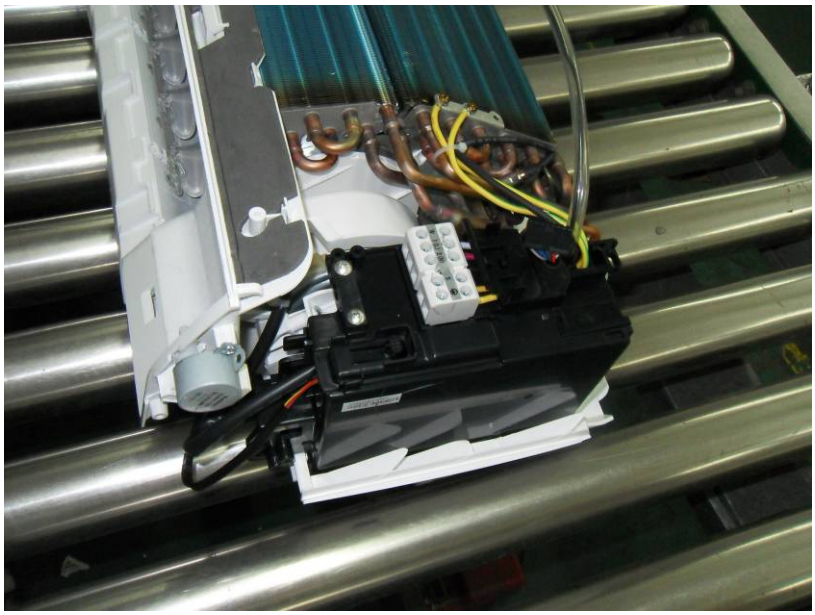
☐ top

☐ bottom



Details of: PCB of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

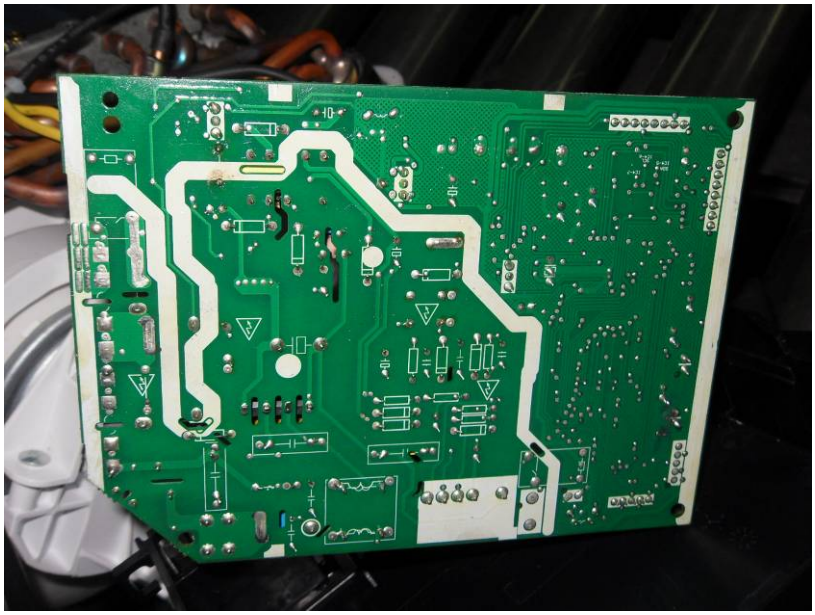
☐ bottom

Attachment 4

Details of: PCB lay-out of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Display PCB lay-out of indoor unit (MSTCCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

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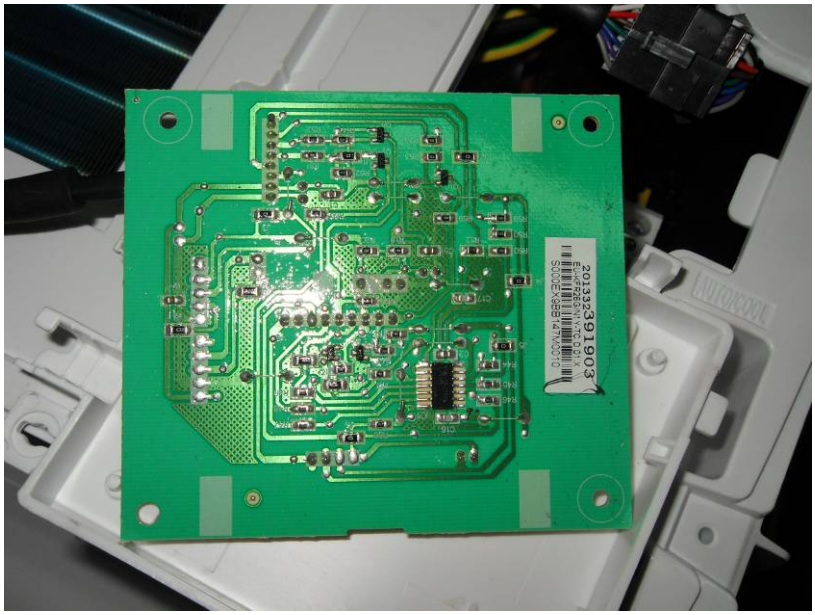


Details of: General view of indoor unit (MSABAU-09HRDN1-QRC8GW, MSABBU-12HRDN1-QRC8GW, MSABDU-18HRDN1-QRC8GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MSABAU-09HRDN1-QRC8GW, MSABBU-12HRDN1-QRC8GW, MSABDU-18HRDN1-QRC8GW)

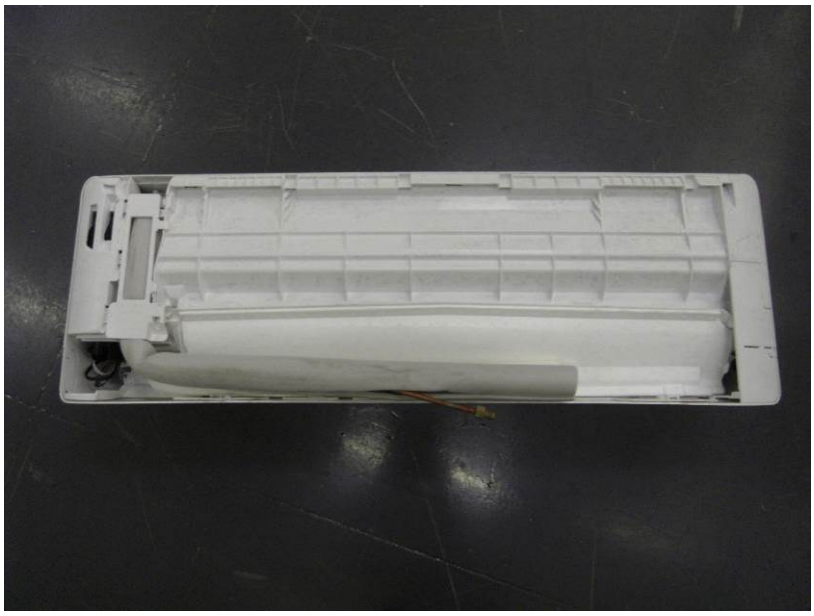
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MSABAU-09HRDN1-QRC8GW, MSABBU-12HRDN1-QRC8GW, MSABDU-18HRDN1-QRC8GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: General view of indoor unit (MSABAU-09HRDN1-QRC8GW, MSABBU-12HRDN1-QRC8GW, MSABDU-18HRDN1-QRC8GW)

View:

☒ general

☐ front

☐ rear

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☐ left

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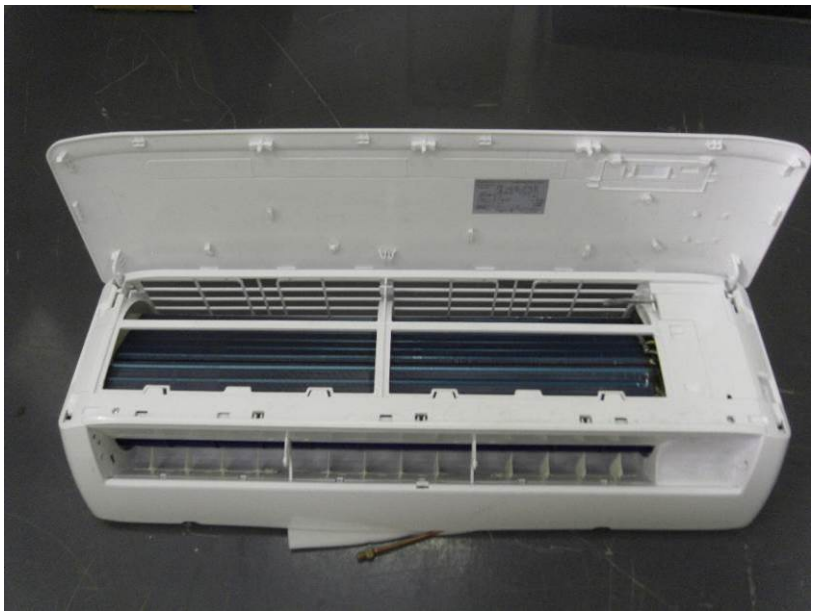
☐ bottom



Details of: Inner view of indoor unit (MSABAU-09HRDN1-QRC8GW, MSABBU-12HRDN1-QRC8GW, MSABDU-18HRDN1-QRC8GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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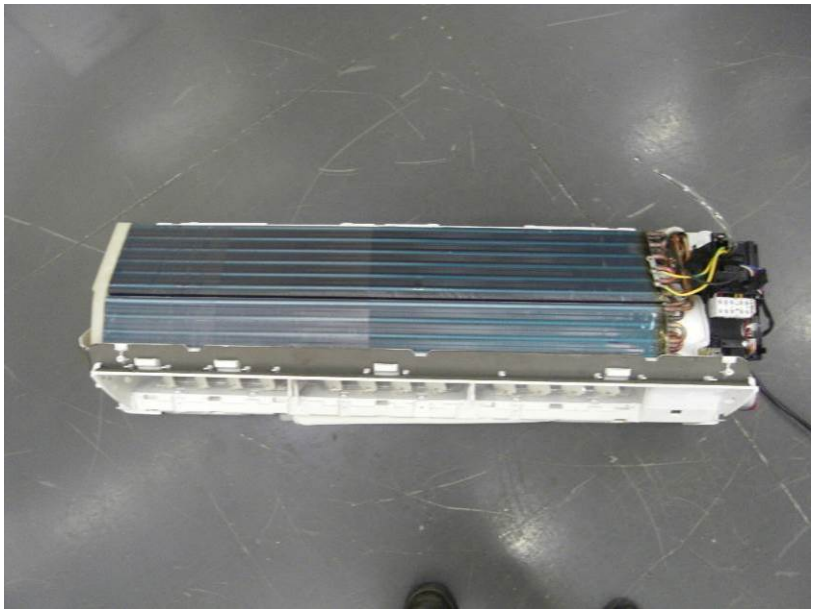
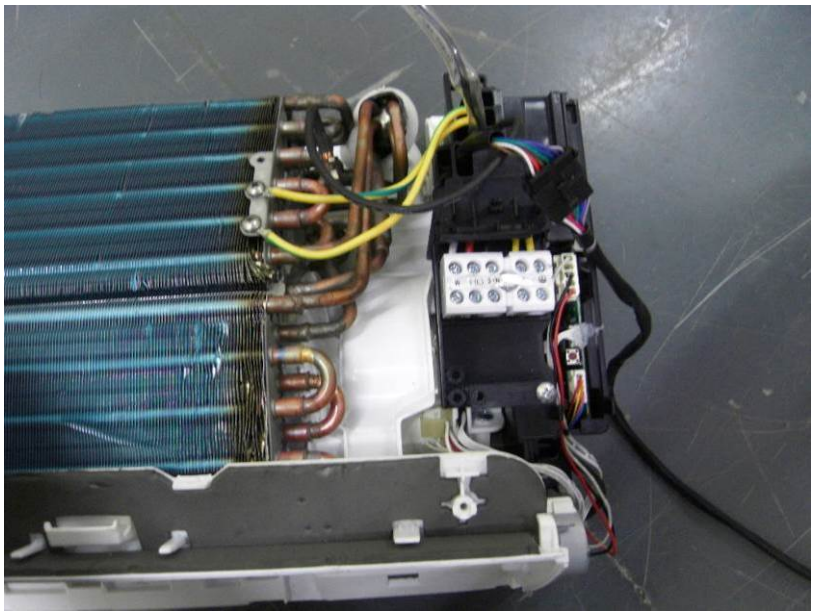


Attachment 4

Details of: Inner view of indoor unit (MSABAU-09HRDN1-QRC8GW, MSABBU-12HRDN1-QRC8GW, MSABDU-18HRDN1-QRC8GW)

View:

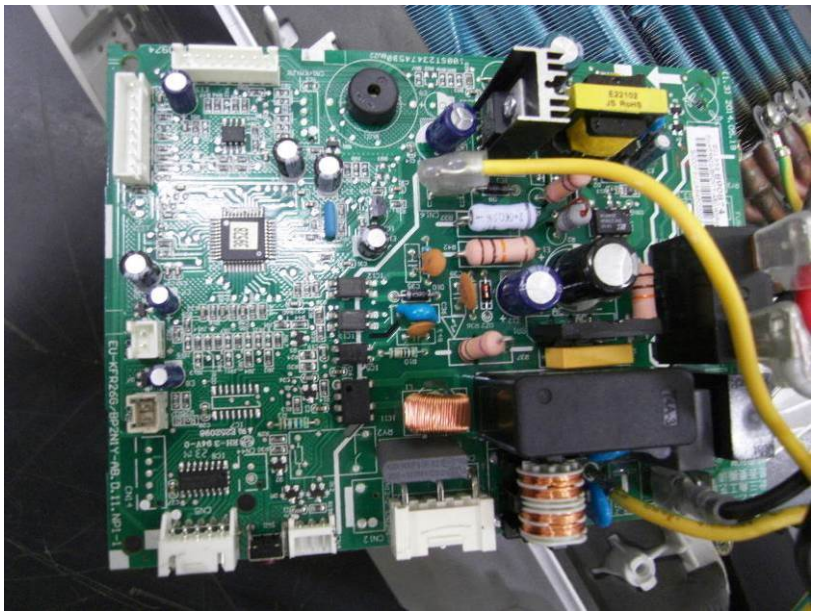
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: PCB of indoor unit (MSABAU-09HRDN1-QRC8GW, MSABBU-12HRDN1-QRC8GW, MSABDU-18HRDN1-QRC8GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

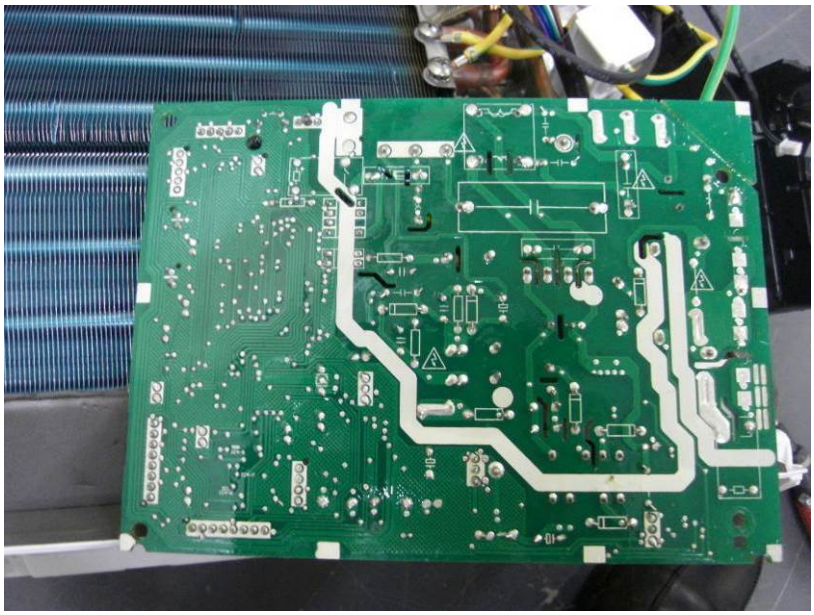


Attachment 4

Details of: PCB lay-out of indoor unit (MSABAU-09HRDN1-QRC8GW, MSABBU-12HRDN1-QRC8GW, MSABDU-18HRDN1-QRC8GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Display PCB lay-out of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

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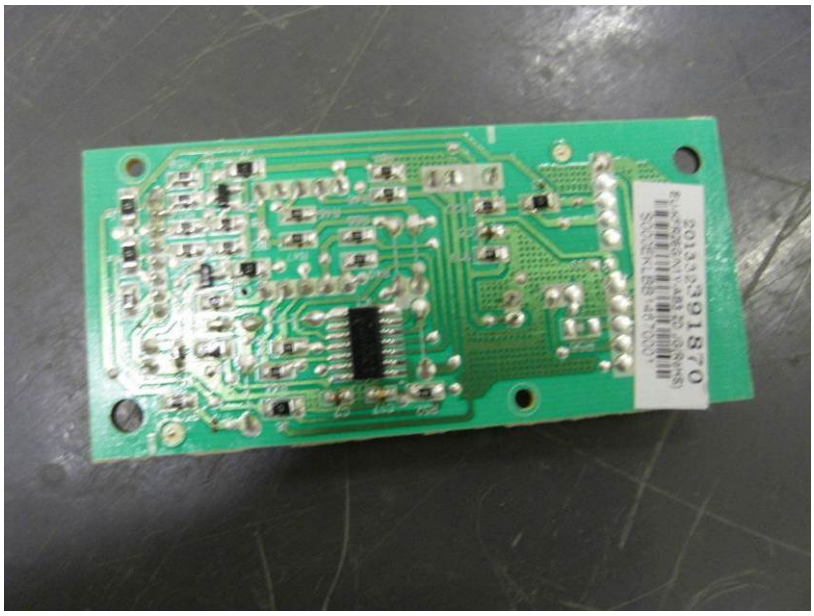

Details of: General view of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

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Attachment 4

Details of: General view of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

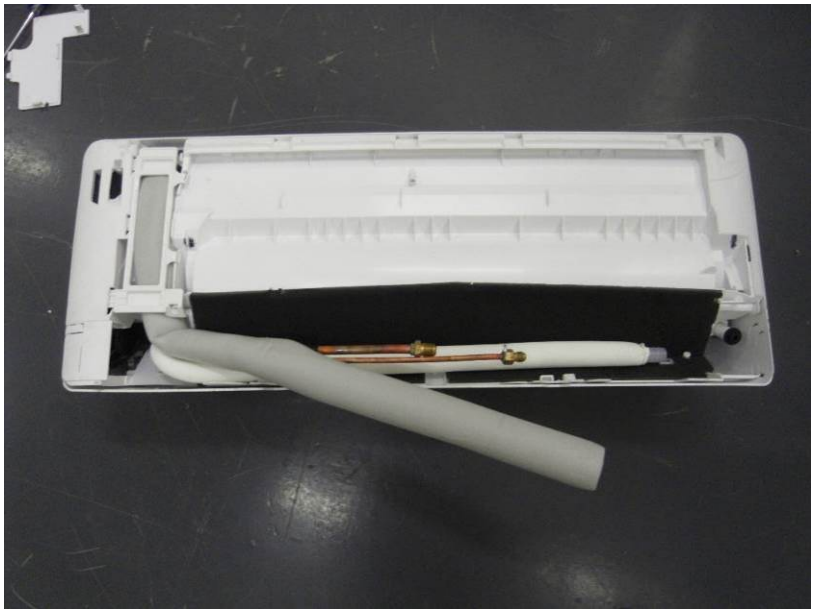
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: General view of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

☒ general

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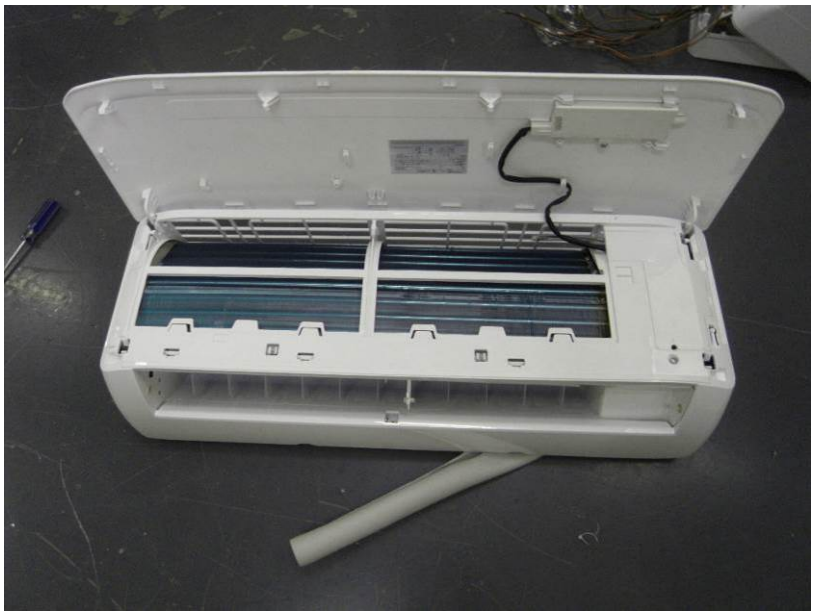

Details of: Inner view of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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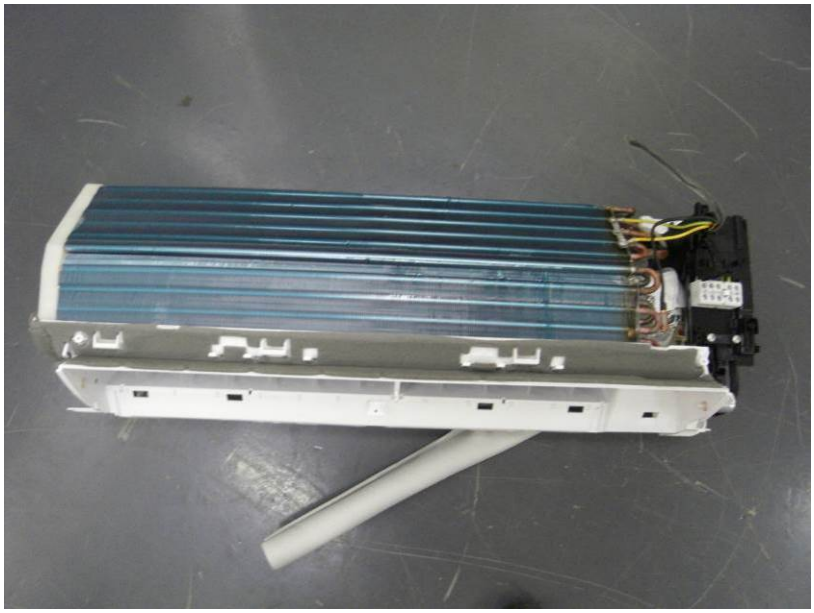


Attachment 4

Details of: Inner view of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

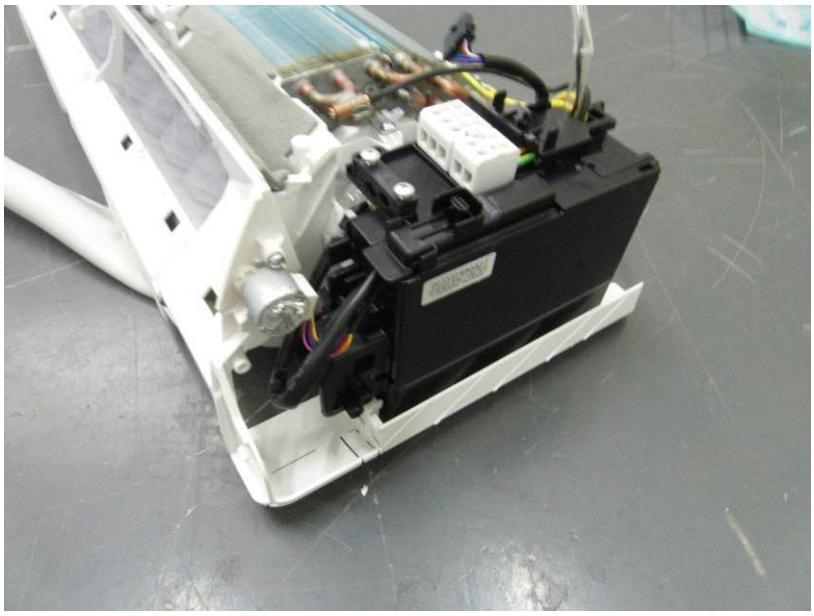
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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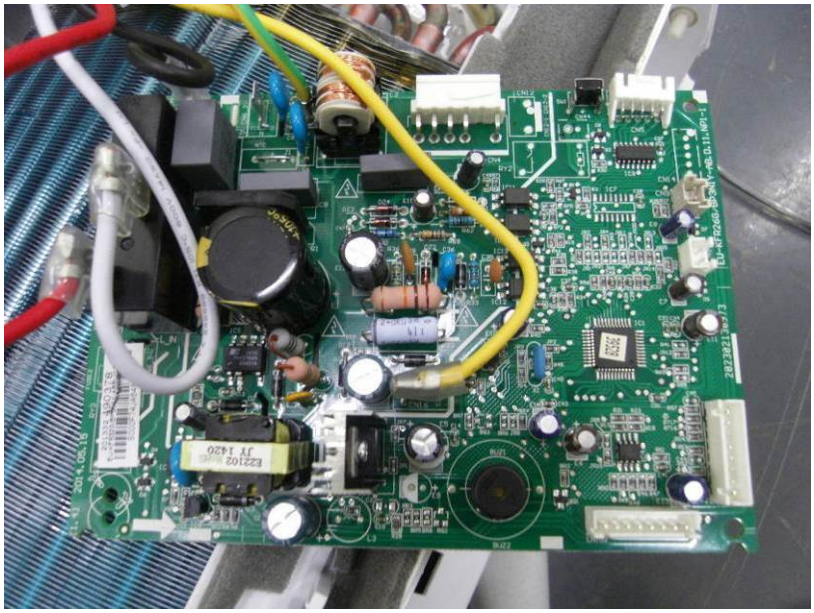
☐ bottom



Attachment 4

Details of: PCB lay-out of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

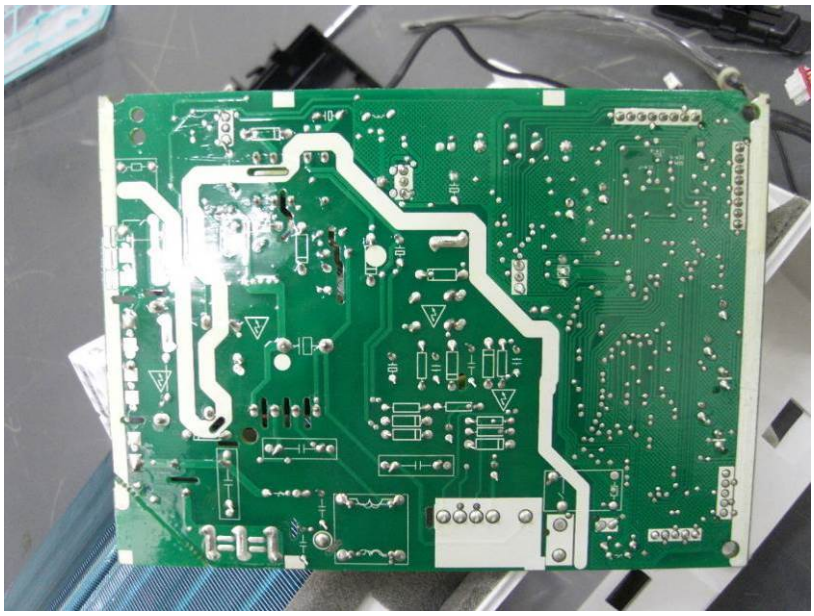
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

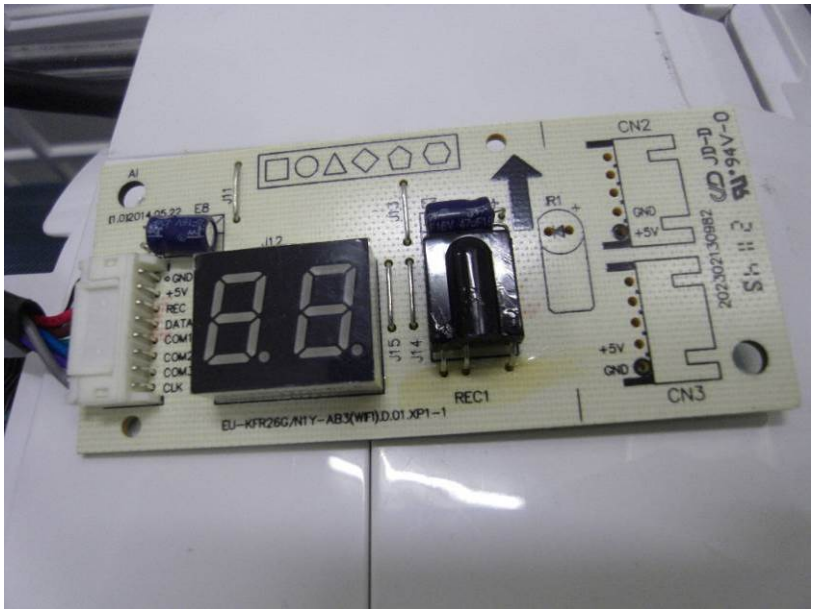
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Display PCB lay-out of indoor unit (MSABAU-07HRFN1-QRD0GW, MSABAU-09HRFN1-QRD0GW, MSABBU-12HRFN1-QRD0GW, MSABDU-18HRFN1-QRD0GW, MSMBAU-09HRFN1-QRD0GW, MSMBBU-12HRFN1-QRD0GW, MSMBCU-18HRFN1-QRD0GW)

View:

☒ general

☐ front

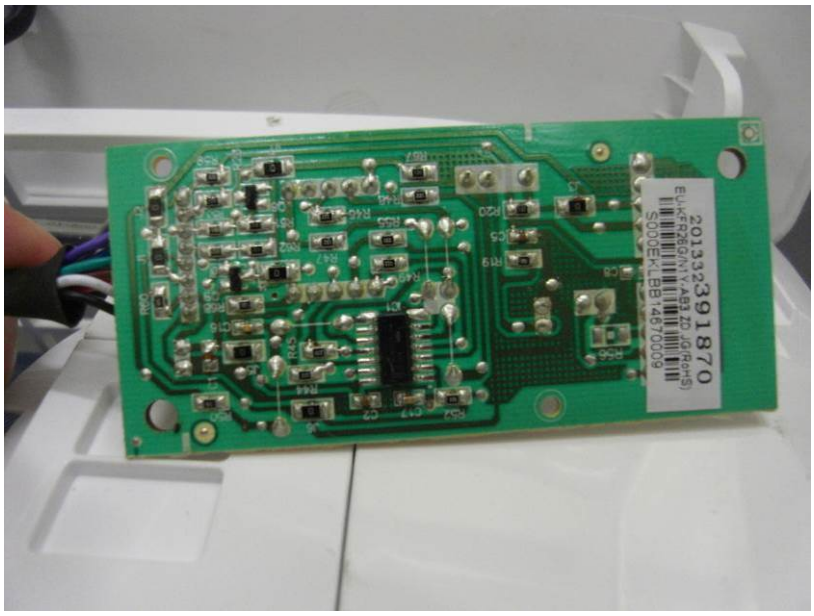
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of indoor unit (MCA3I-07HRFN1-QRC8, MCA3I-09HRFN1-QRC8, MCA3U-12HRFN1-QRD0W, MCA3I-18HRDN1-QRC8)

View:

☒ general

☐ front

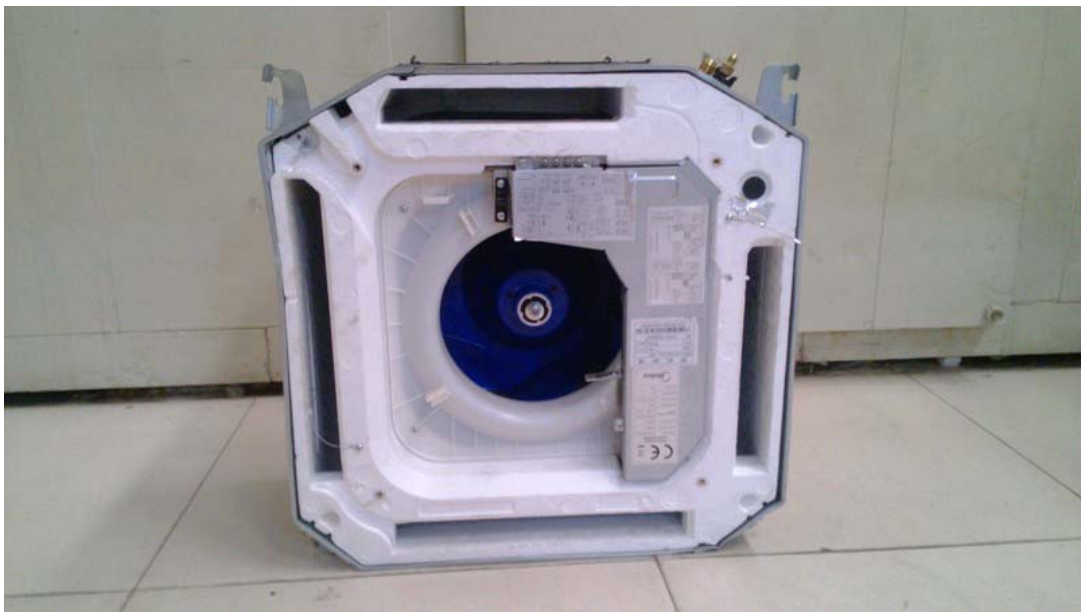
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of indoor unit (MCA3I-07HRFN1-QRC8, MCA3I-09HRFN1-QRC8, MCA3U-12HRFN1-QRD0W, MCA3I-18HRDN1-QRC8)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MCA3I-07HRFN1-QRC8, MCA3I-09HRFN1-QRC8, MCA3U-12HRFN1-QRD0W, MCA3I-18HRDN1-QRC8)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MCA3I-07HRFN1-QRC8, MCA3I-09HRFN1-QRC8, MCA3U-12HRFN1-QRD0W, MCA3I-18HRDN1-QRC8)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of indoor unit (MCA3I-07HRFN1-QRC8, MCA3I-09HRFN1-QRC8, MCA3U-12HRFN1-QRD0W, MCA3I-18HRDN1-QRC8)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MCA3I-07HRFN1-QRC8, MCA3I-09HRFN1-QRC8, MCA3U-12HRFN1-QRD0W, MCA3I-18HRDN1-QRC8)

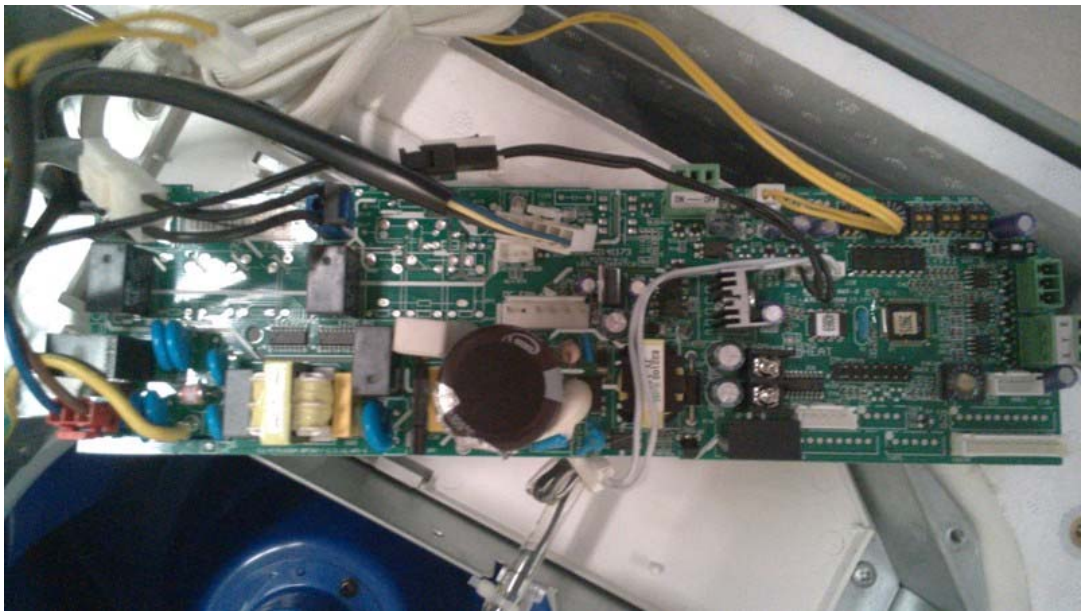
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: PCB of indoor unit (MCA3I-07HRFN1-QRC8, MCA3I-09HRFN1-QRC8, MCA3U-12HRFN1-QRD0W, MCA3I-18HRDN1-QRC8)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: PCB lay-out of indoor unit (MCA3I-07HRFN1-QRC8, MCA3I-09HRFN1-QRC8, MCA3U-12HRFN1-QRD0W, MCA3I-18HRDN1-QRC8)

View:

☒ general

☐ front

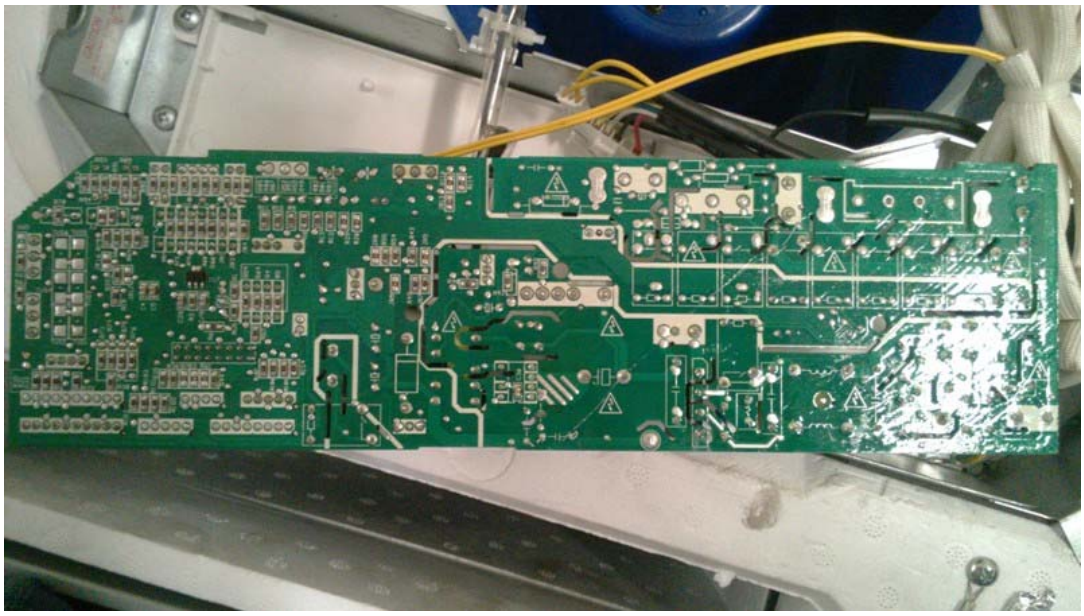
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of indoor unit (MTBU-12HWFN1-QRD0W, MTBU-12HRFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MTBU-12HWFN1-QRD0W, MTBU-12HRFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MTBU-12HWFN1-QRD0W, MTBU-12HRFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MTBU-12HWFN1-QRD0W, MTBU-12HRFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit (MTBU-12HWFN1-QRD0W, MTBU-12HRFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: PCB of indoor unit (MTBU-12HWFN1-QRD0W, MTBU-12HRFN1-QRC8W(B))

View:

☒ general

☐ front

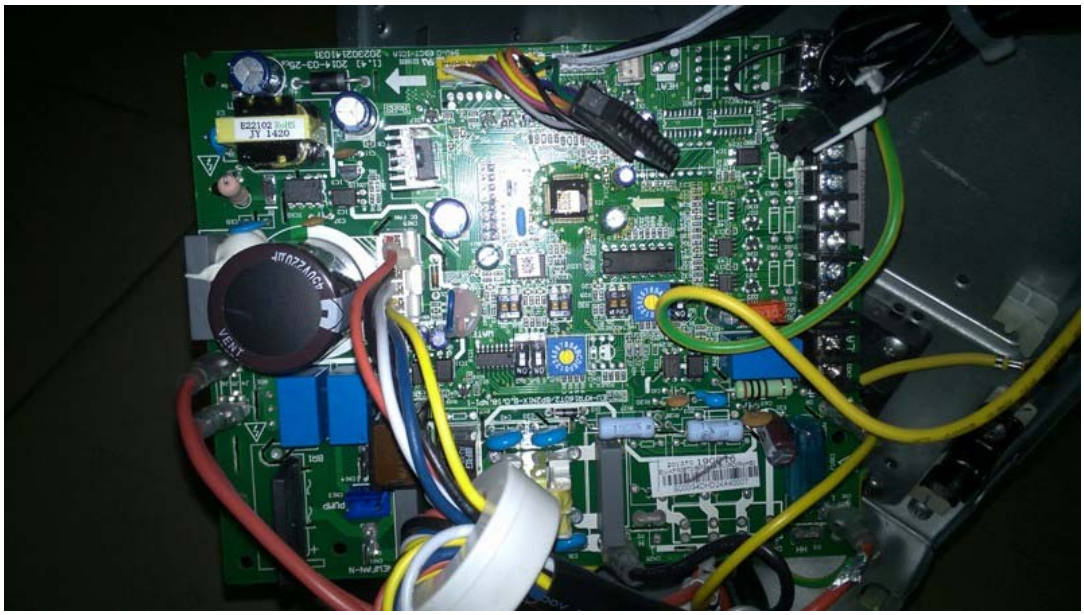
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB lay-out of indoor unit (MTBU-12HWFN1-QRD0W, MTBU-12HRFN1-QRC8W(B))

View:

☒ general

☐ front

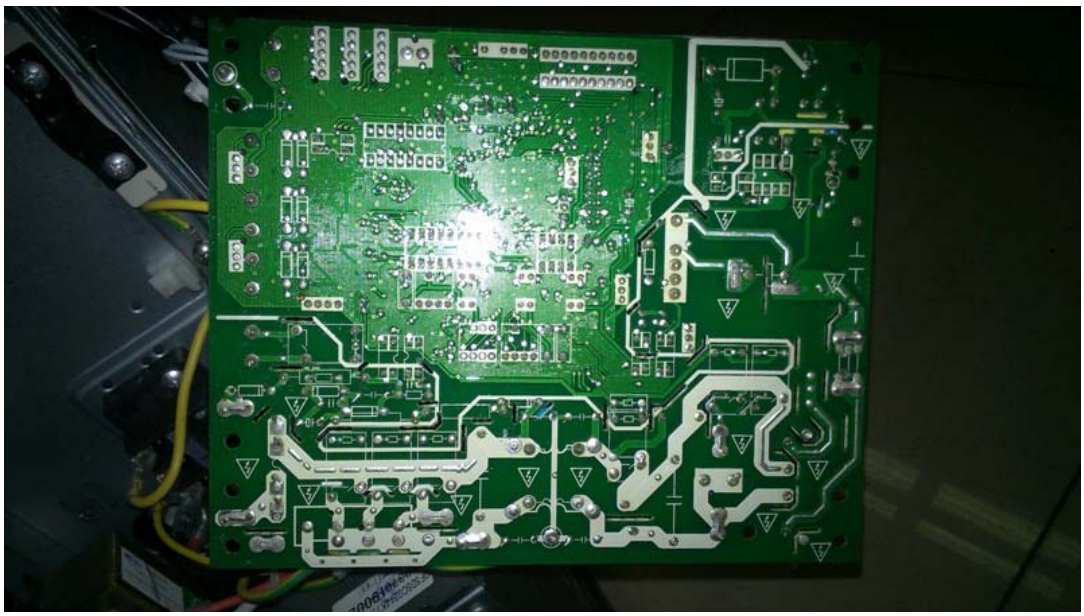
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of indoor unit (MTB-18HWFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MTB-18HWFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MTB-18HWFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MTB-18HWFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MTB-18HWFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB of indoor unit (MTB-18HWFN1-QRC8W(B))

View:

☒ general

☐ front

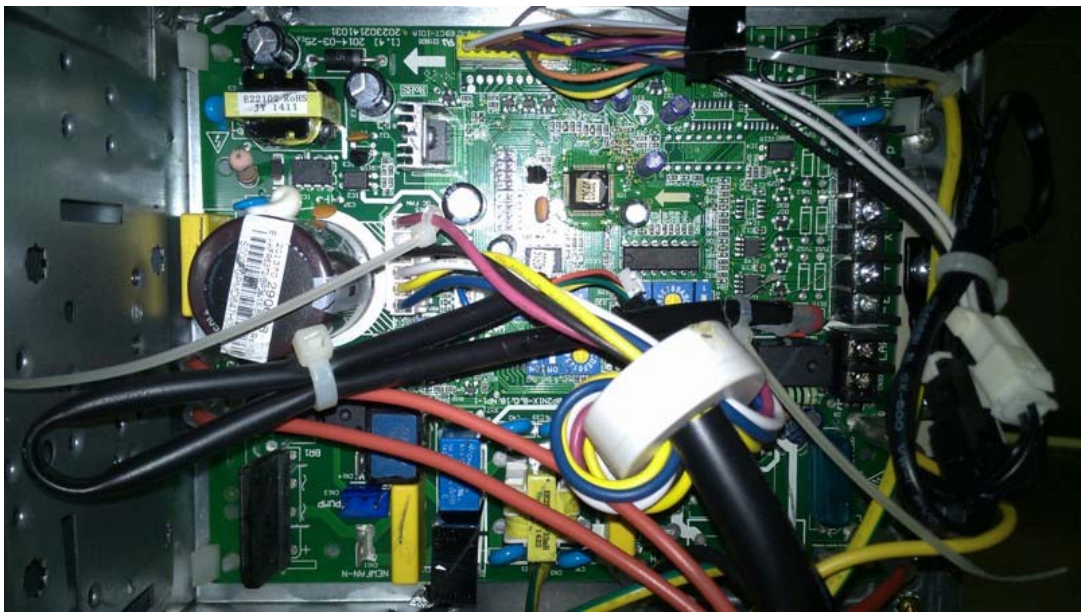
☐ rear

☐ right

☐ left

☐ top

☐ bottom

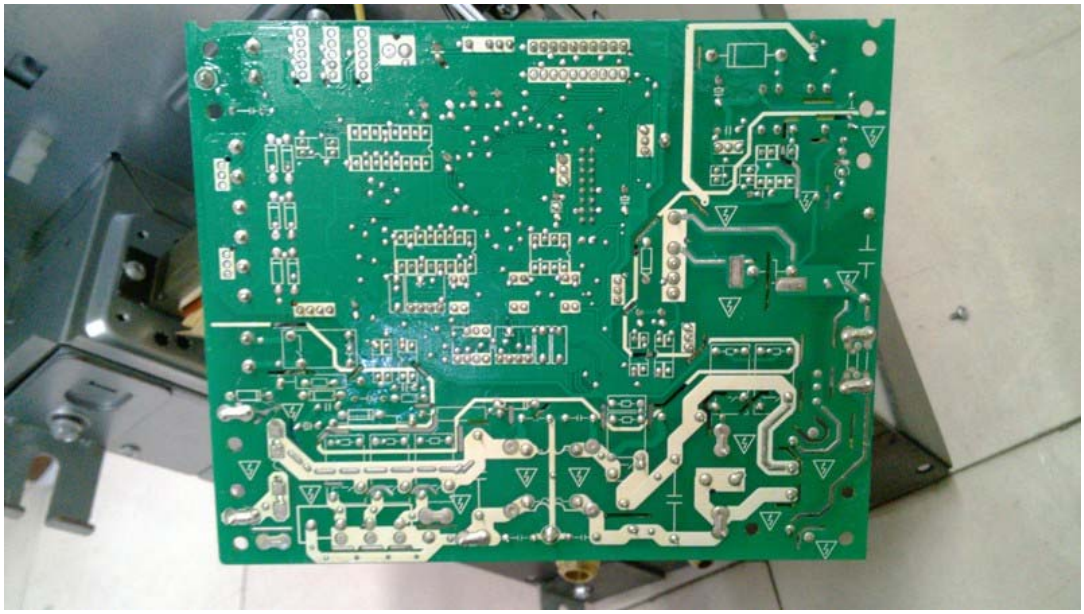


Attachment 4

Details of: PCB lay-out of indoor unit (MTB-18HWFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

☒ general

☐ front

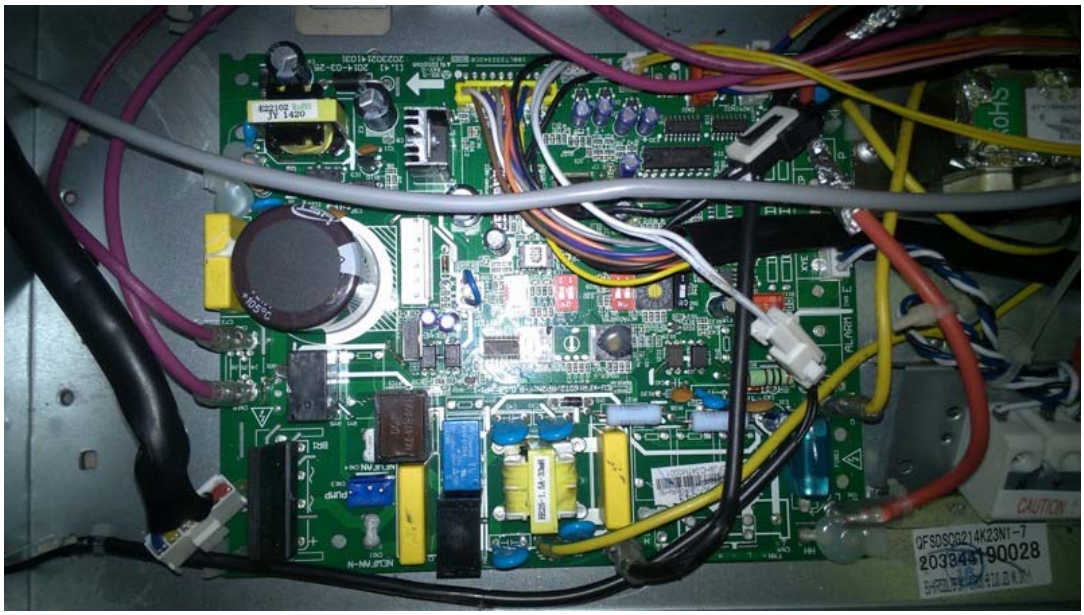
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: PCB lay-out of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

☒ general

☐ front

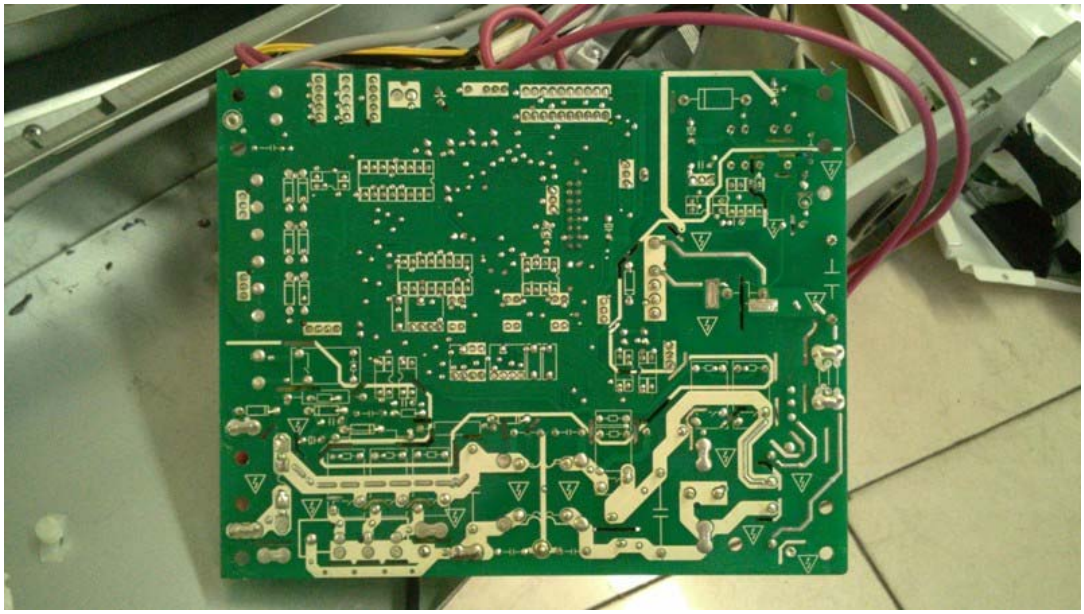
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

☒ general

☐ front

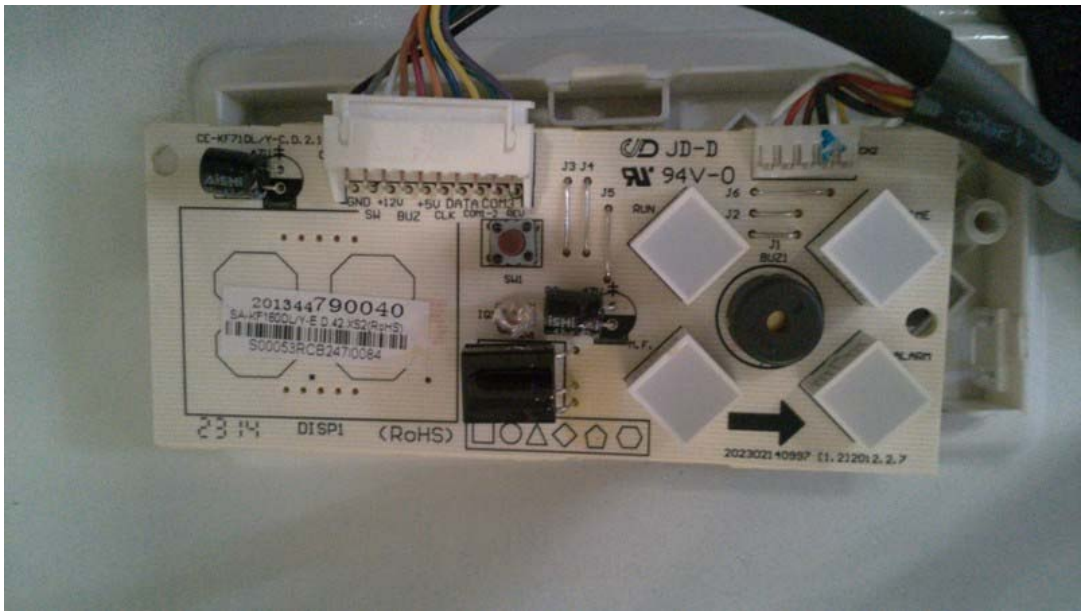
☐ rear

☐ right

☐ left

☐ top

☐ bottom

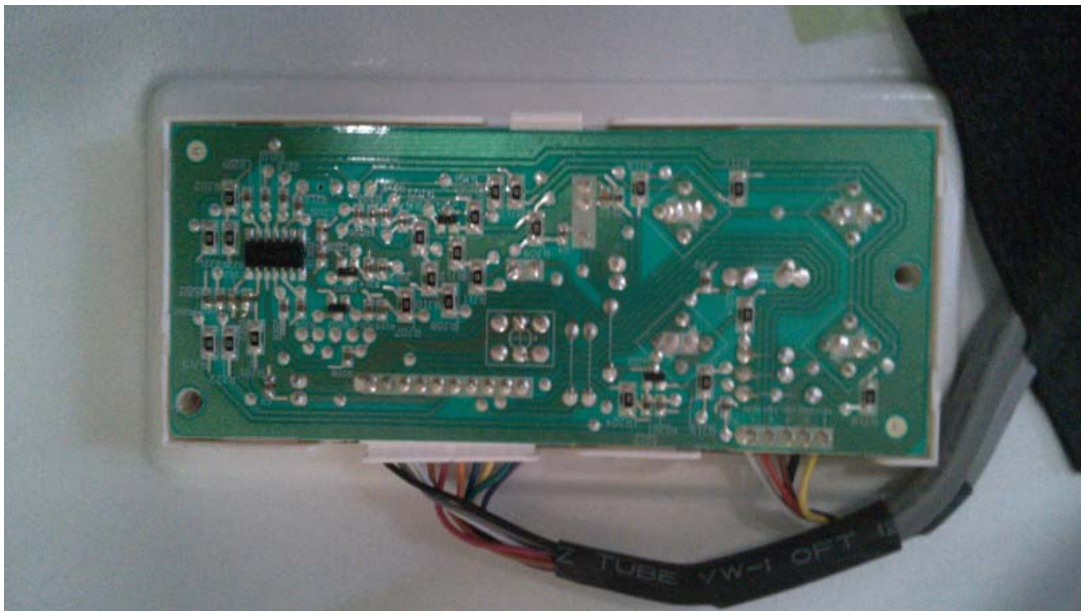


Attachment 4

Details of: Display PCB lay-out of indoor unit (MUE-18HRFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit (MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit (MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B))

View:

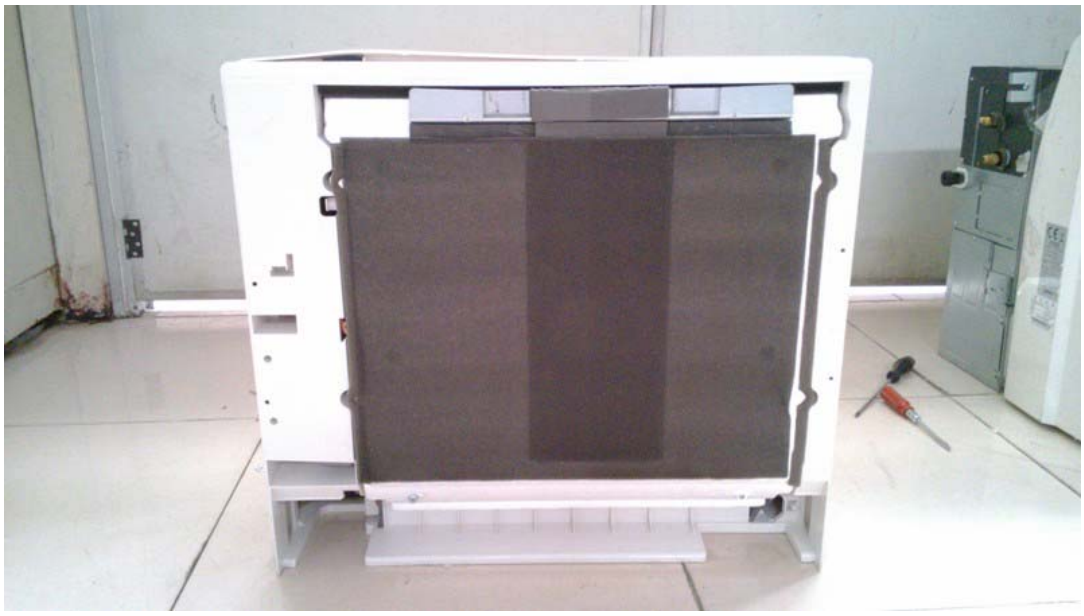
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit (MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B))

View:

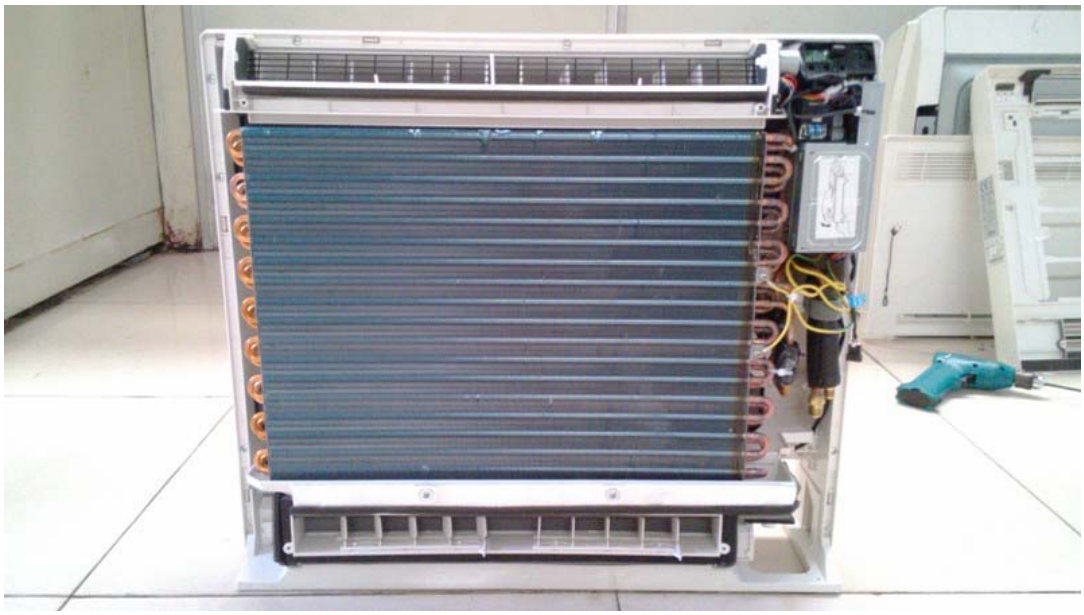
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Inner view of indoor unit (MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

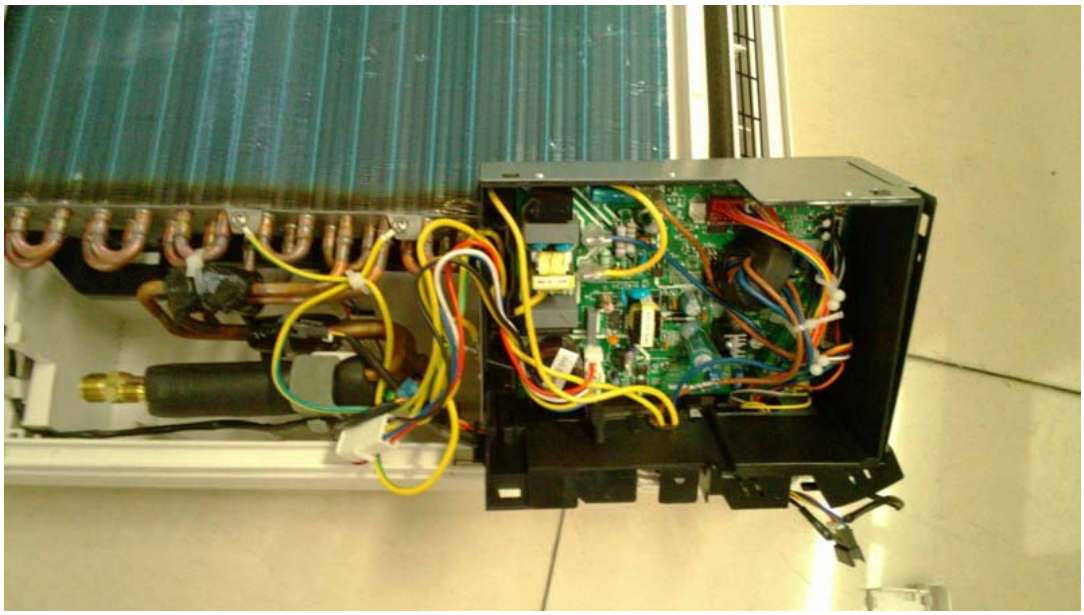


Attachment 4

Details of: Inner view of indoor unit (MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Inner view of indoor unit (MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B))

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: PCB of indoor unit (MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B))

View:

☒ general

☐ front

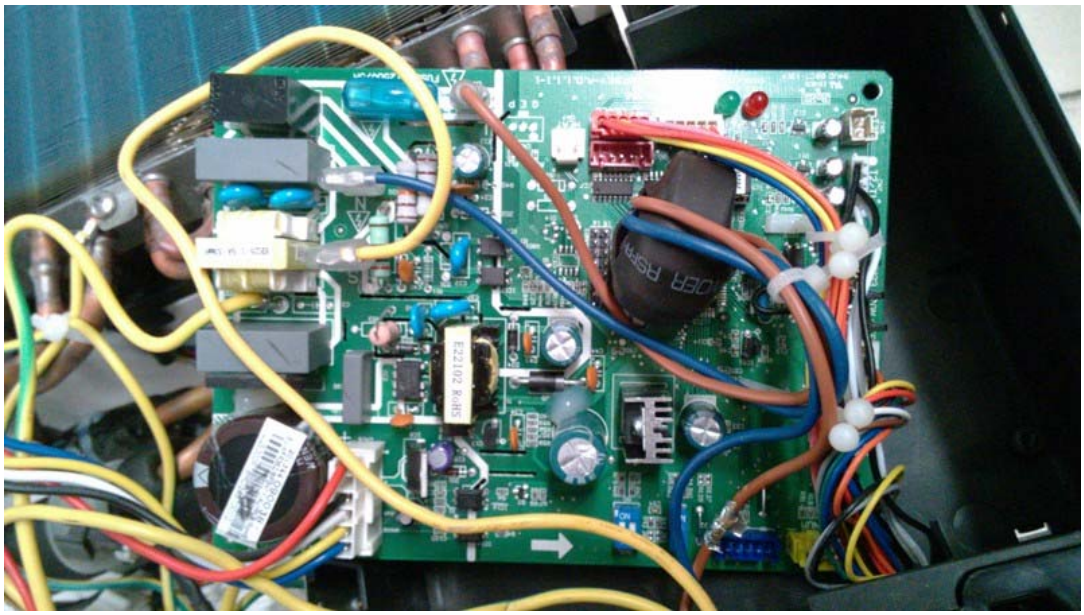
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB lay-out of indoor unit (MFAU-12HRFN1-QRC8W, MFAU-12HRFN1-QRC8W(B))

View:

☒ general

☐ front

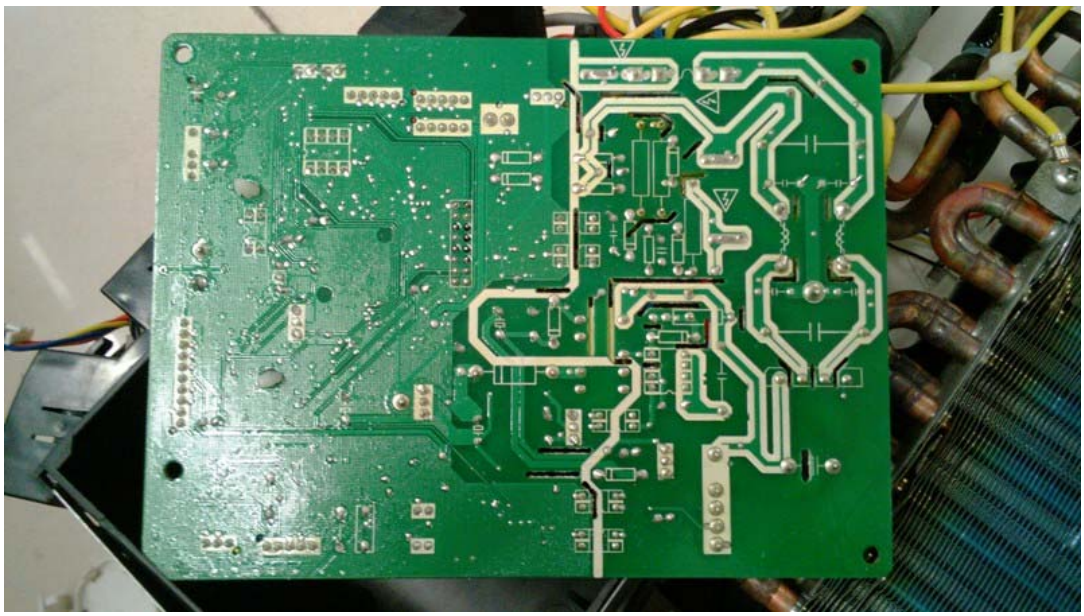
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

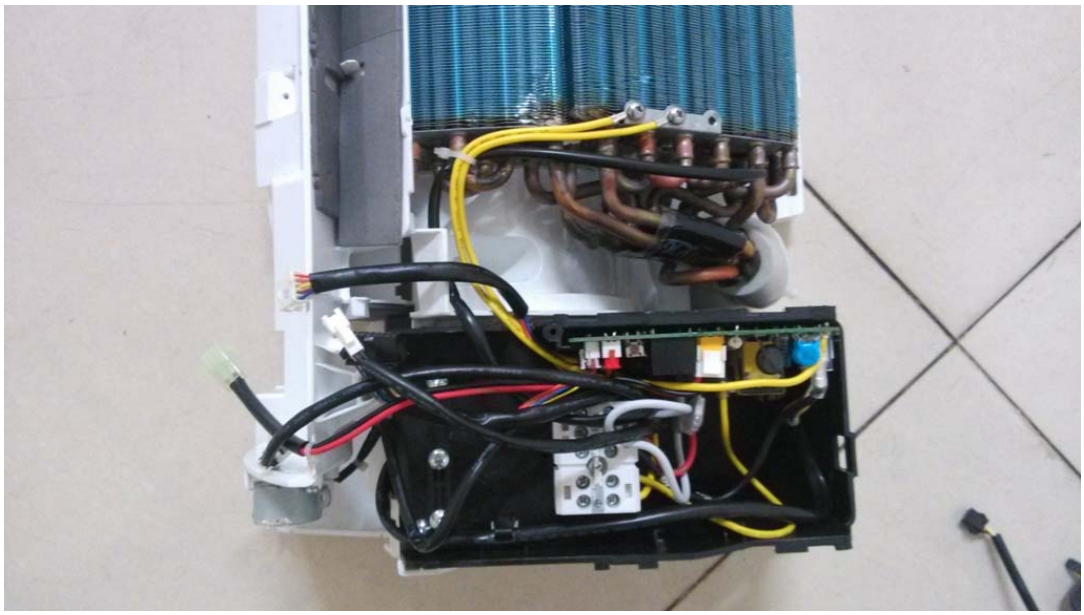
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: PCB of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

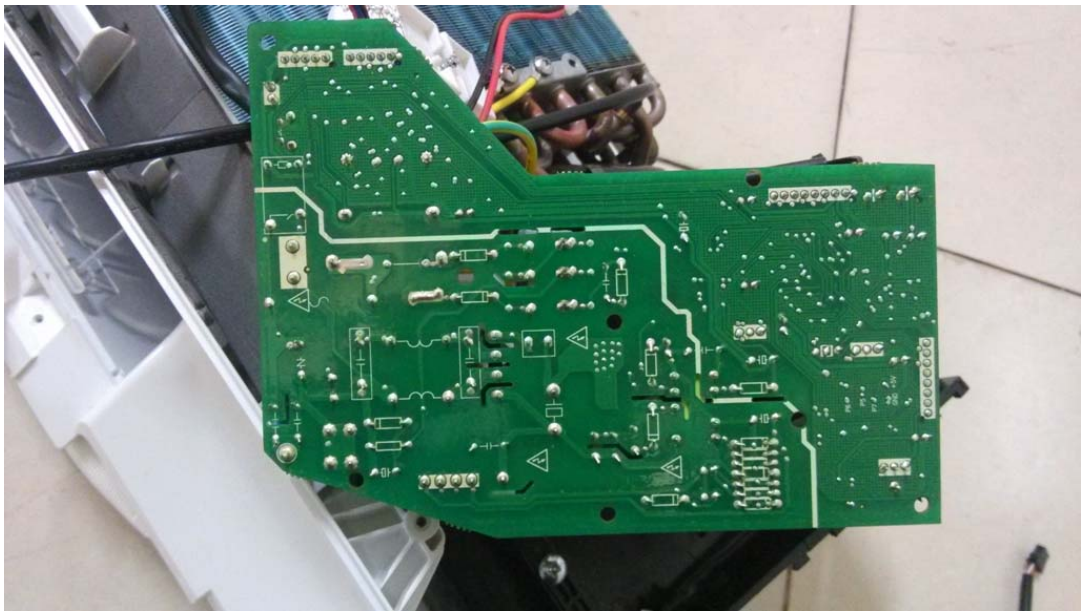
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: PCB lay-out of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Display PCB lay-out of indoor unit MSMBDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSABEU-24HRDN1-QRC8GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSABEU-24HRDN1-QRC8GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSABEU-24HRDN1-QRC8GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSABEU-24HRDN1-QRC8GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit MSABEU-24HRDN1-QRC8GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Inner view of indoor unit MSABEU-24HRDN1-QRC8GW

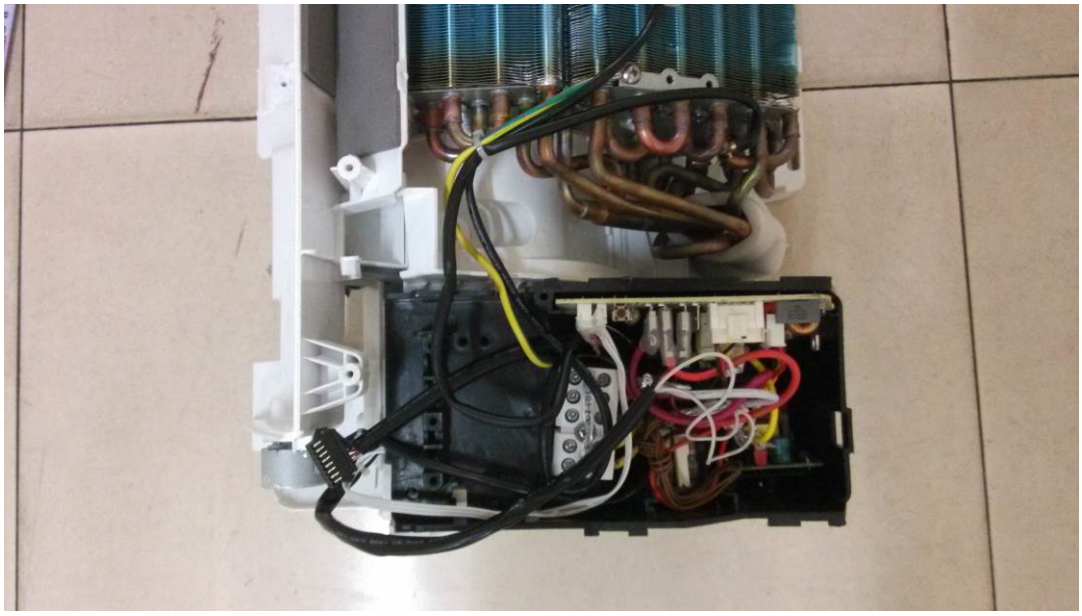
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit MSABEU-24HRDN1-QRC8GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

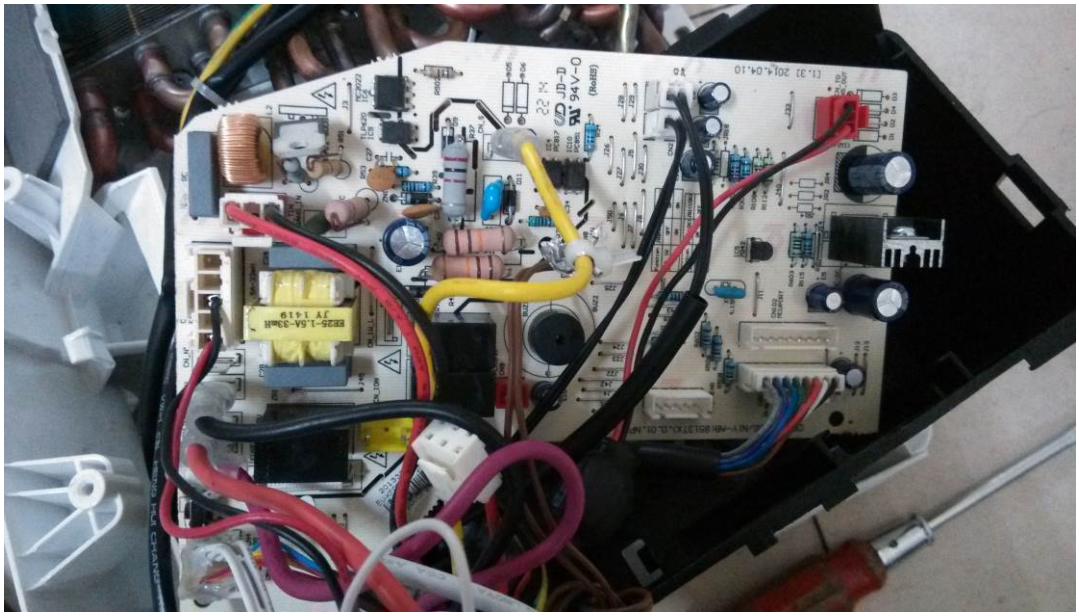


Attachment 4

Details of: PCB of indoor unit MSABEU-24HRDN1-QRC8GW

View:

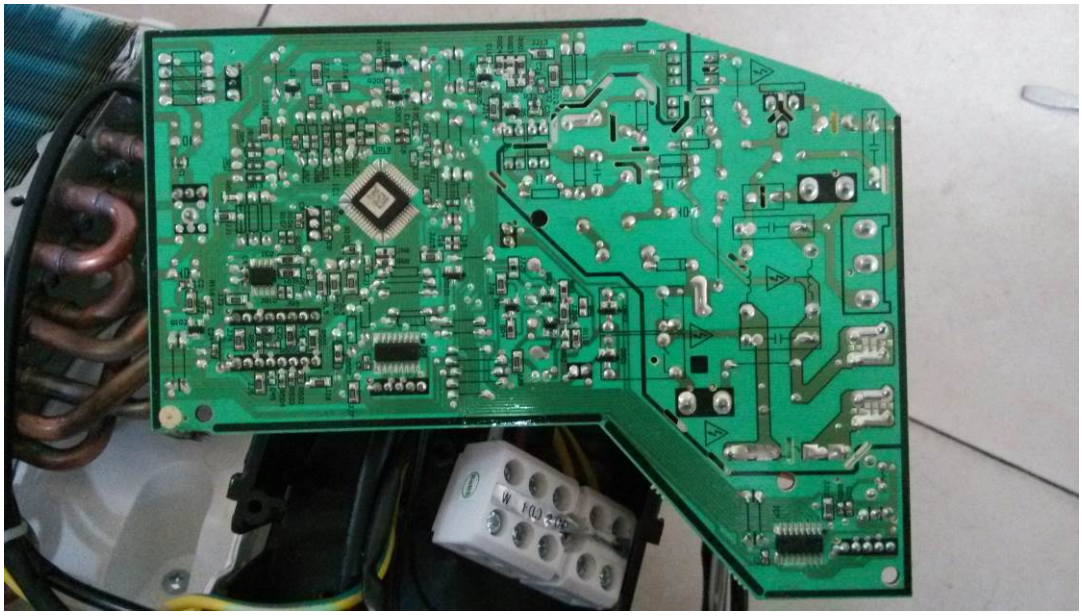
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: PCB lay-out of indoor unit MSABEU-24HRDN1-QRC8GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Display PCB of indoor unit MSABEU-24HRDN1-QRC8GW

View:

☒ general

☐ front

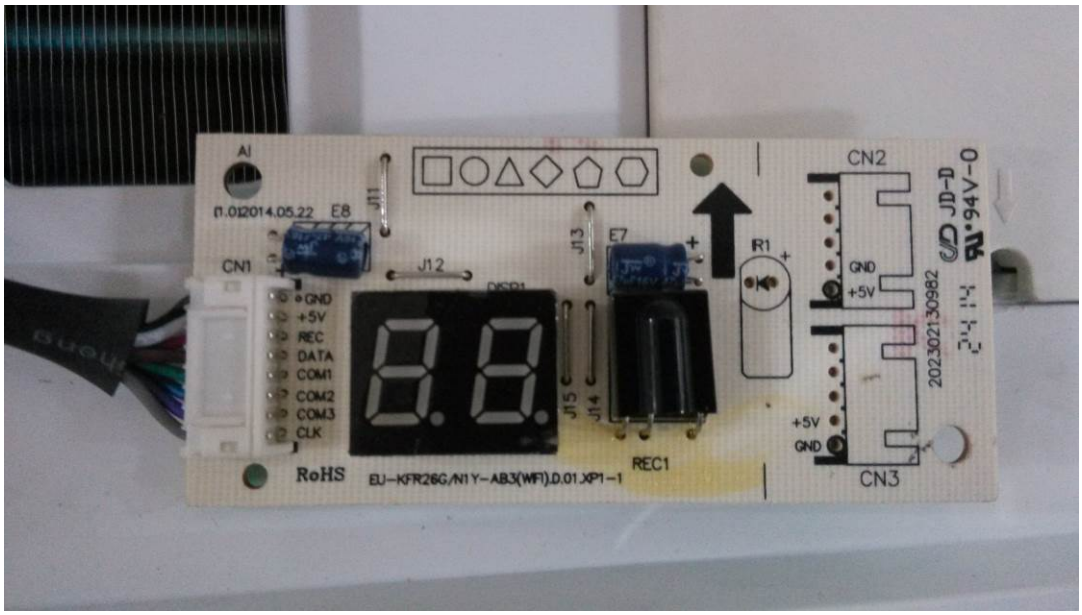
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB lay-out of indoor unit MSABEU-24HRDN1-QRC8GW

View:

☒ general

☐ front

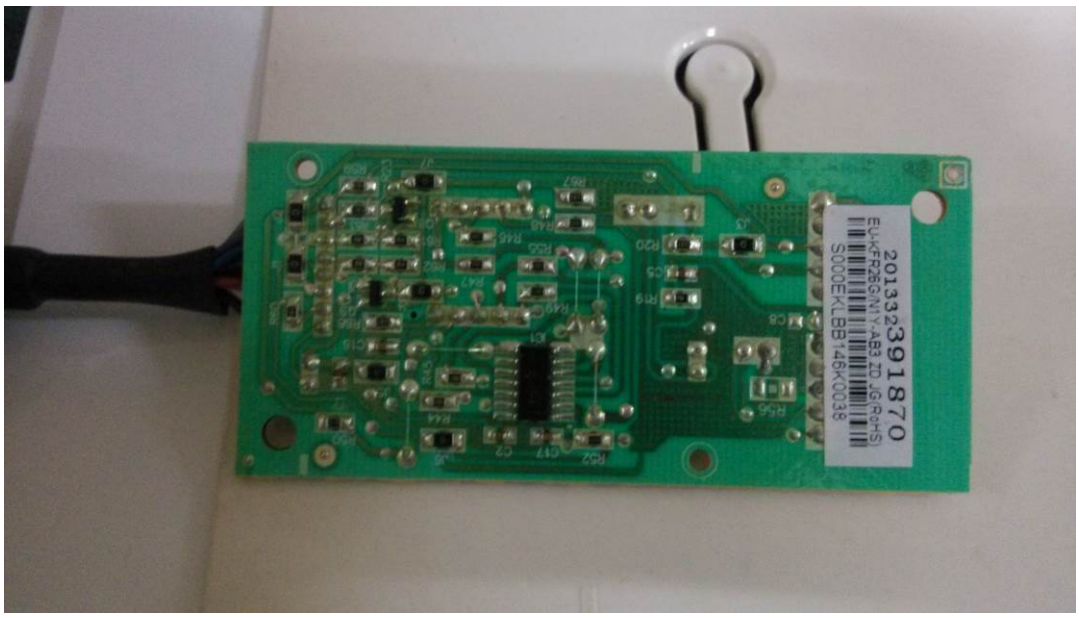
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

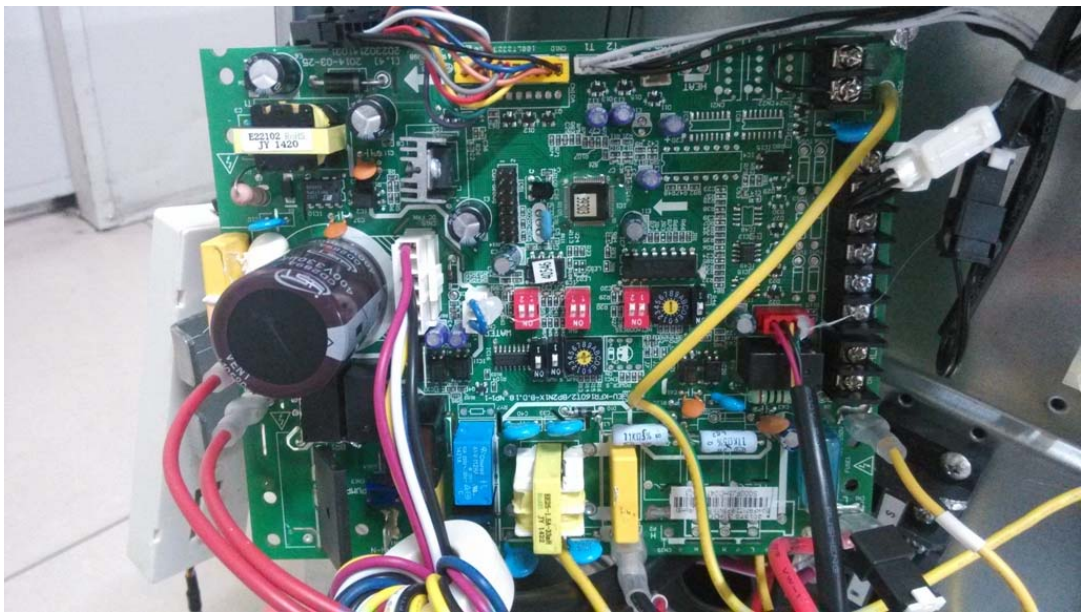
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: PCB lay-out of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

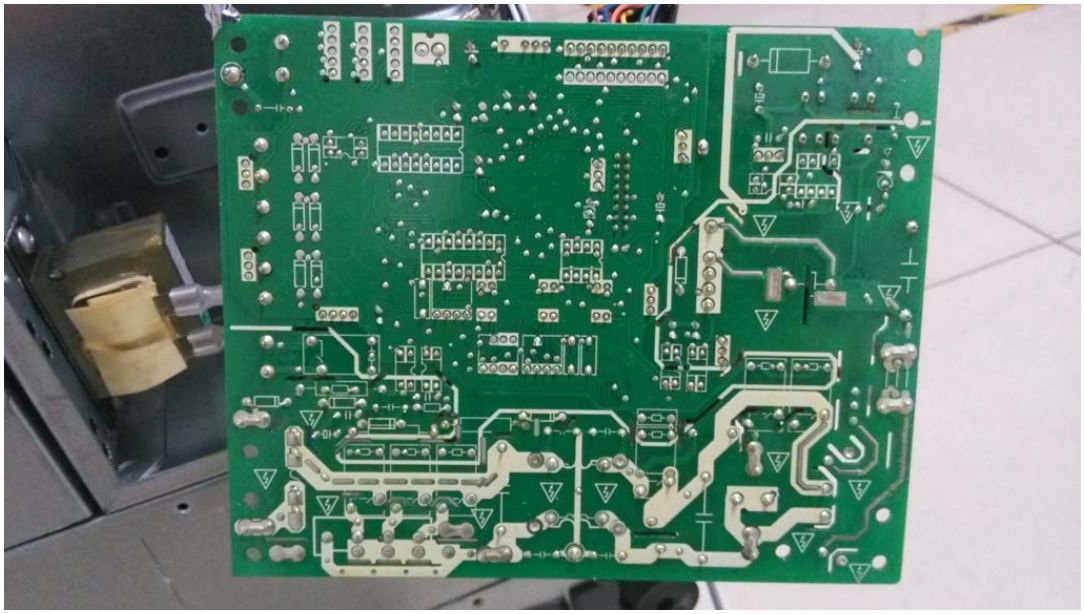
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: DC fan motor PCB of indoor unit MTB-24HWFN1-QRC8W(B)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

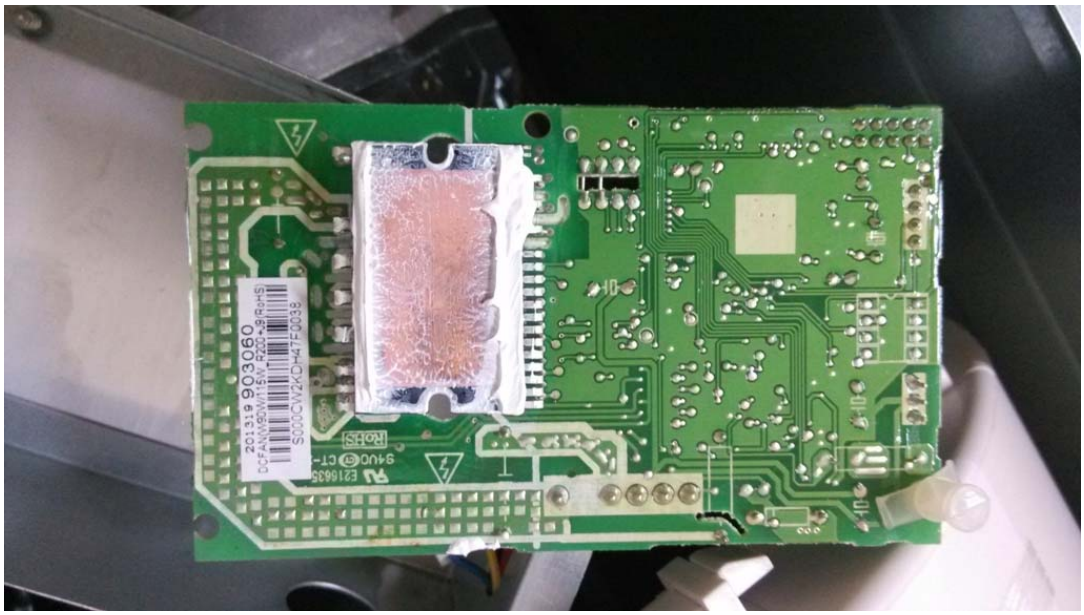
☐ bottom

Attachment 4

Details of: DC fan motor PCB lay-out of indoor unit MTB-24HWFN1-QRC8W(B)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

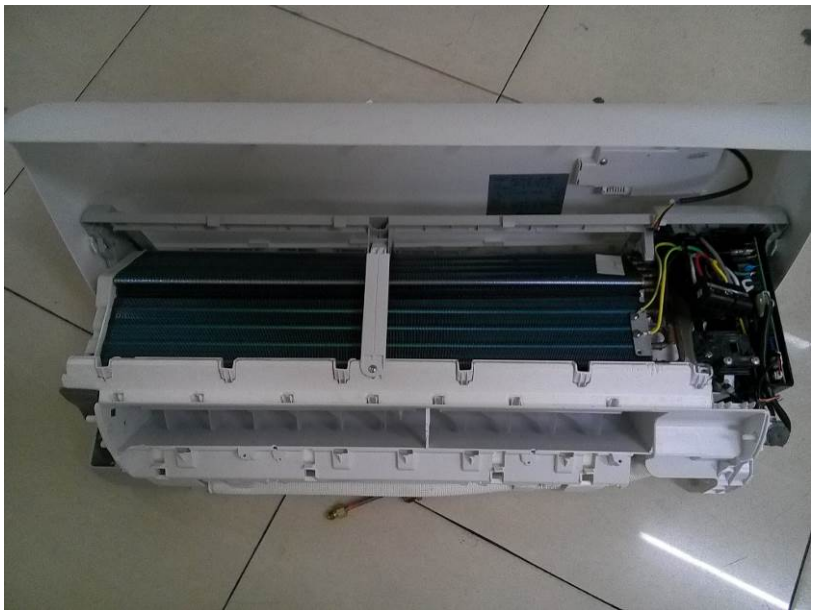
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

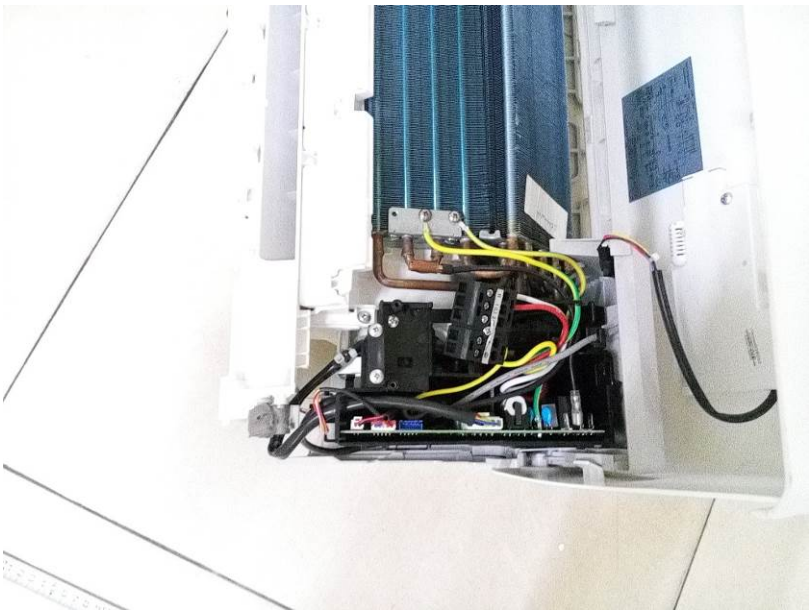


Attachment 4

Details of: Internal view of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

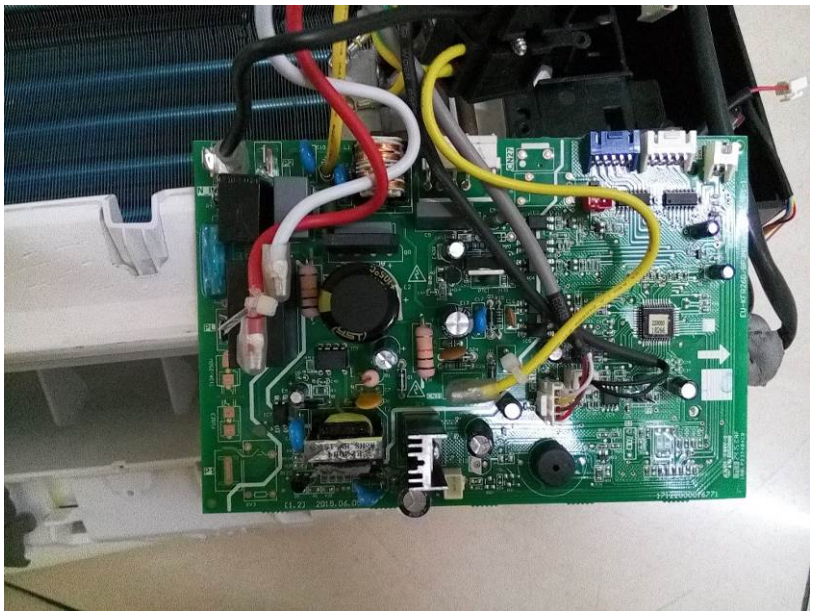
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Main PCB of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

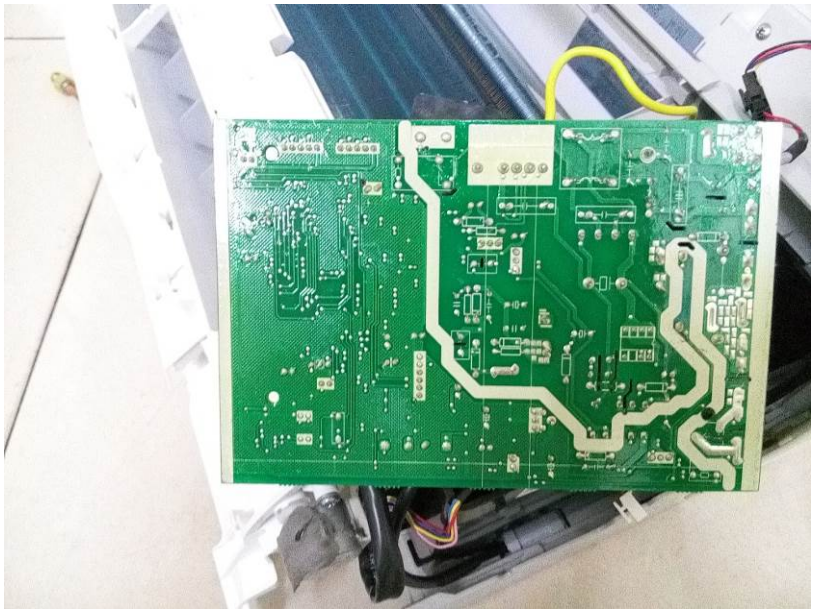


Attachment 4

Details of: Main PCB lay-out of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

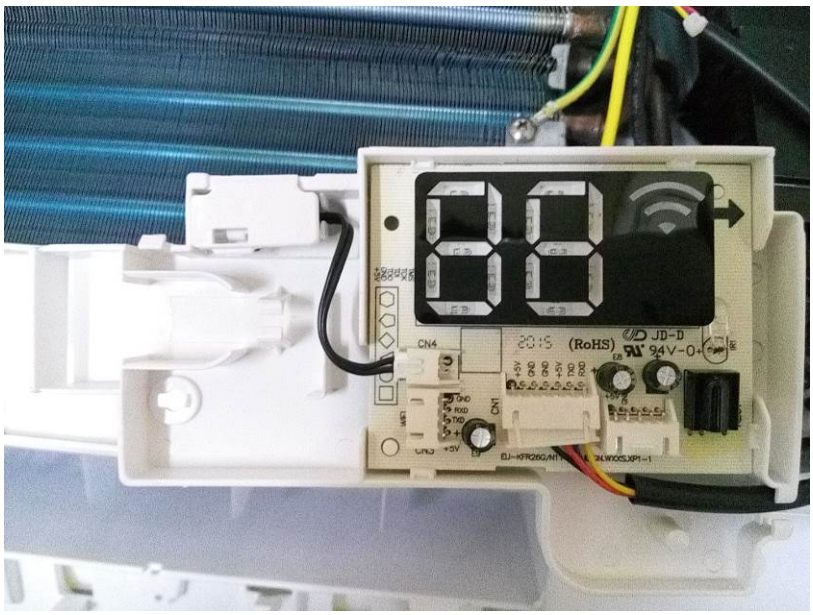
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Display PCB lay-out of indoor unit MSAEAU-09HRFN1-QRD0GW and MSAEBU-12HRFN1-QRD0GW

View:

☒ general

☐ front

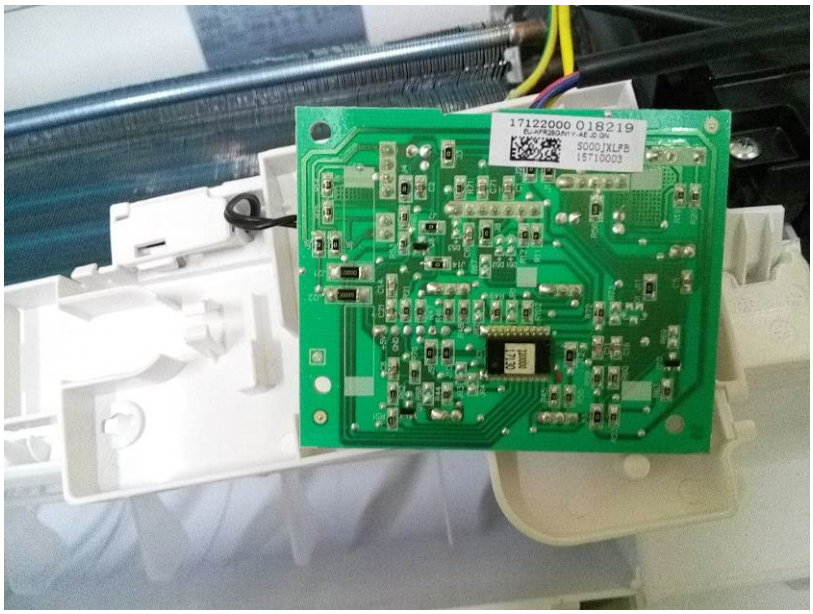
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of indoor unit MSAECU-18HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MSAECU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSAECU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSAECU-18HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MSAECU-18HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSAECU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSAECU-18HRFN1-QRD0GW

View:

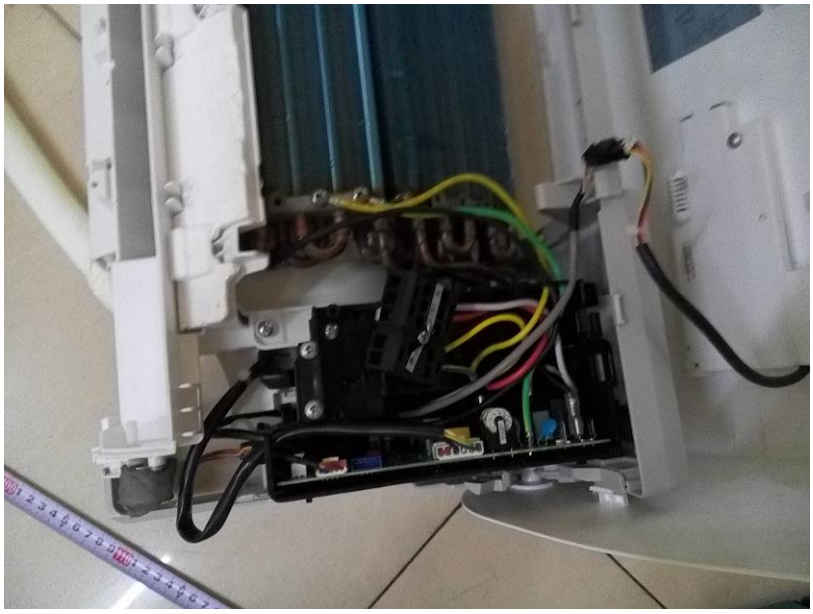
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSAECU-18HRFN1-QRD0GW

View:

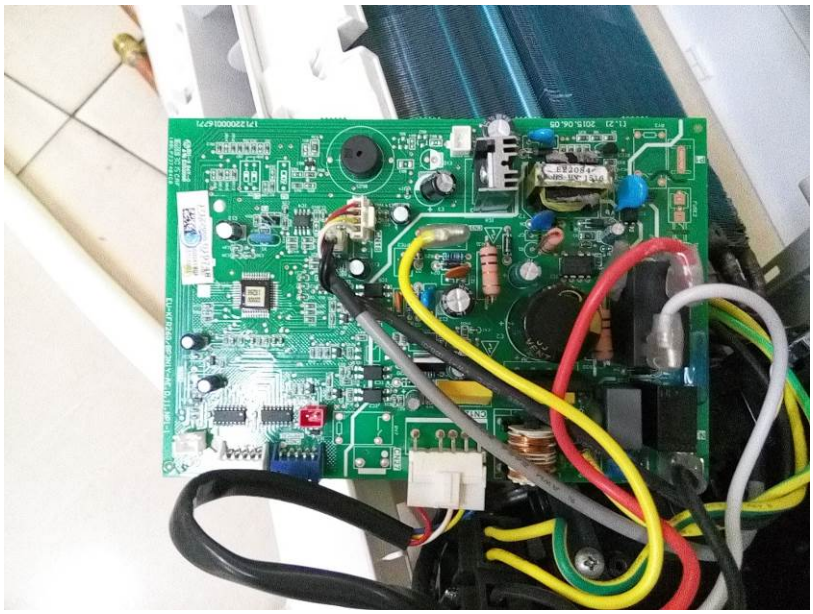
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Main PCB of indoor unit MSAECU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

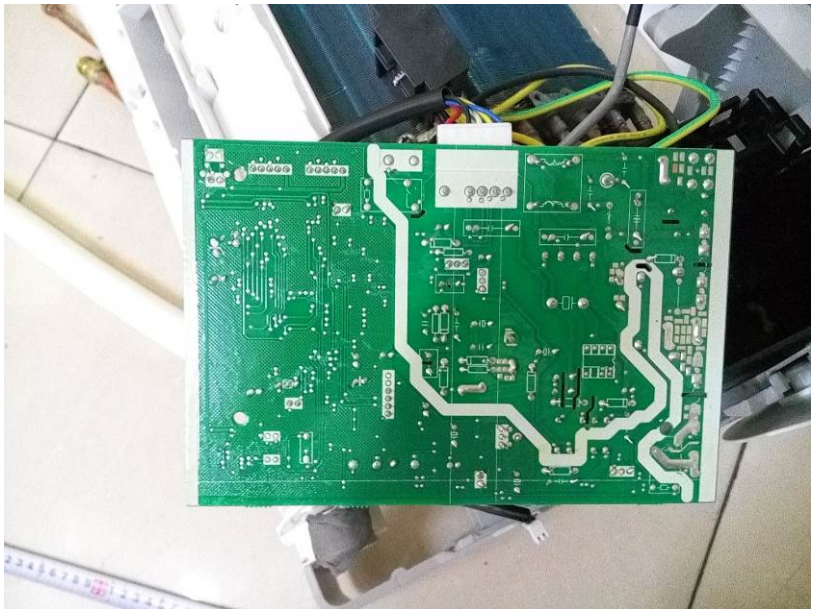


Attachment 4

Details of: Main PCB lay-out of indoor unit MSAECU-18HRFN1-QRD0GW

View:

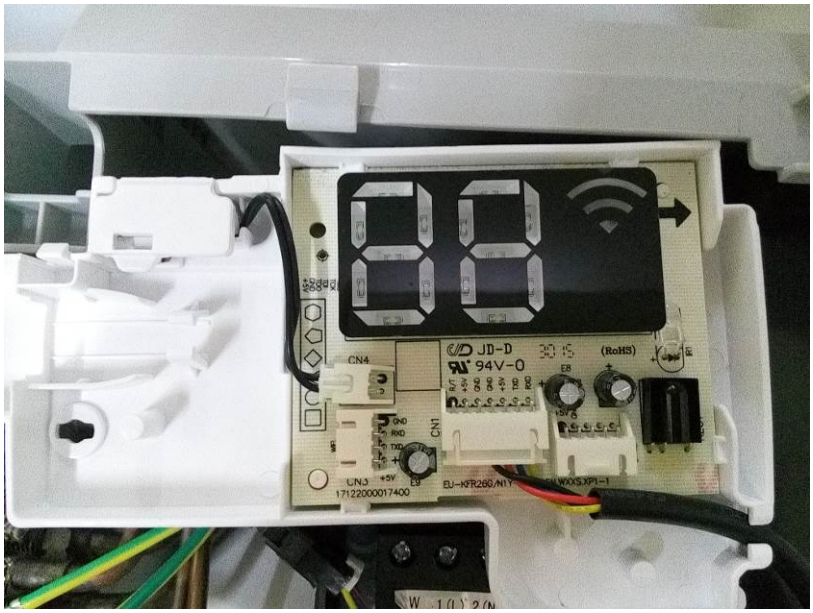
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB of indoor unit MSAECU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Display PCB lay-out of indoor unit MSAECU-18HRFN1-QRD0GW

View:

☒ general

☐ front

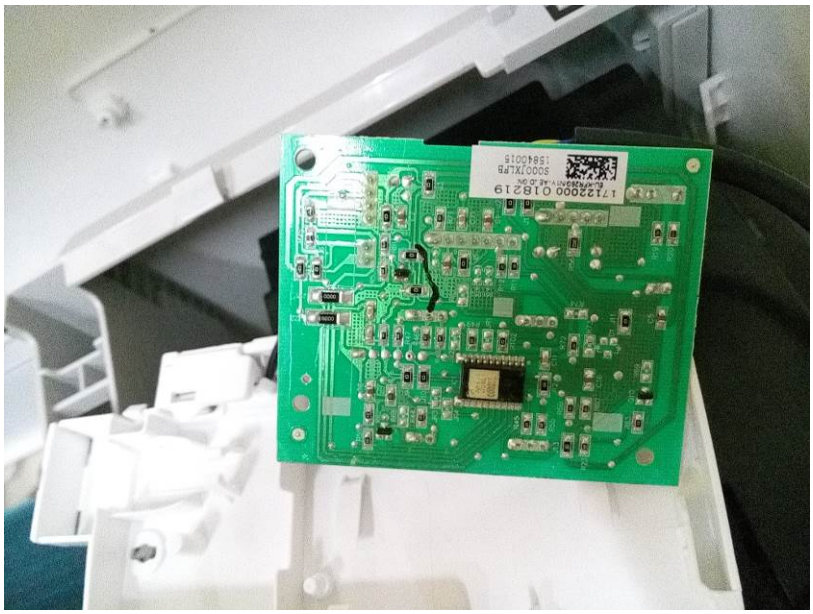
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

☒ general

☐ front

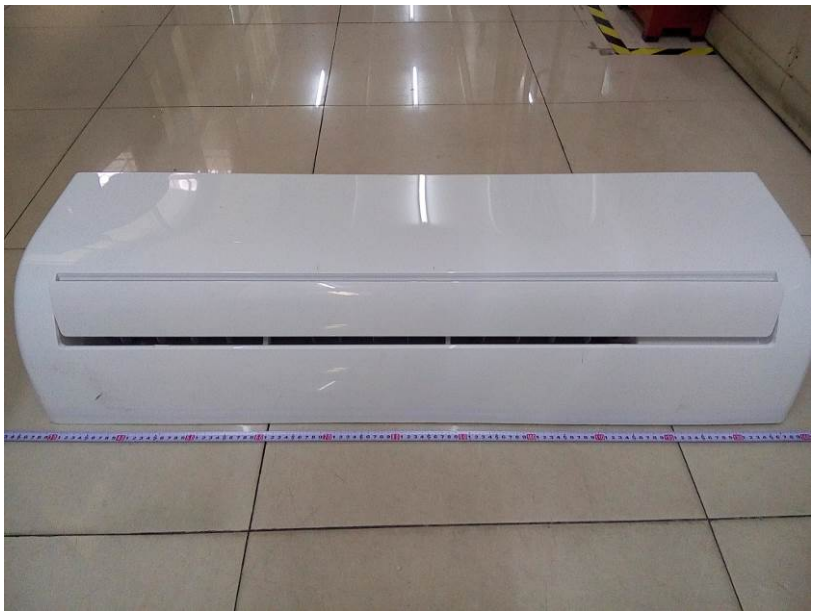
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of indoor unit MSAEDU-24HRFN1-QRD0GW

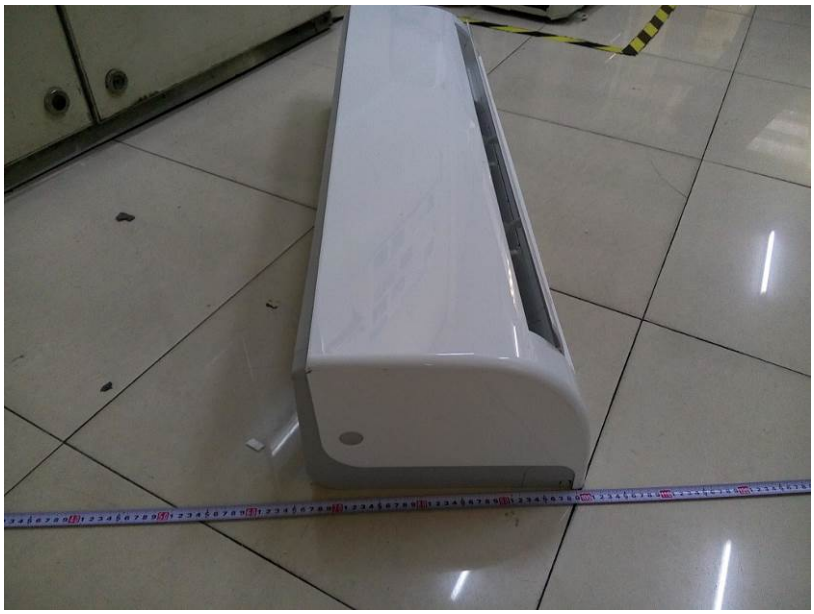
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: General view of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

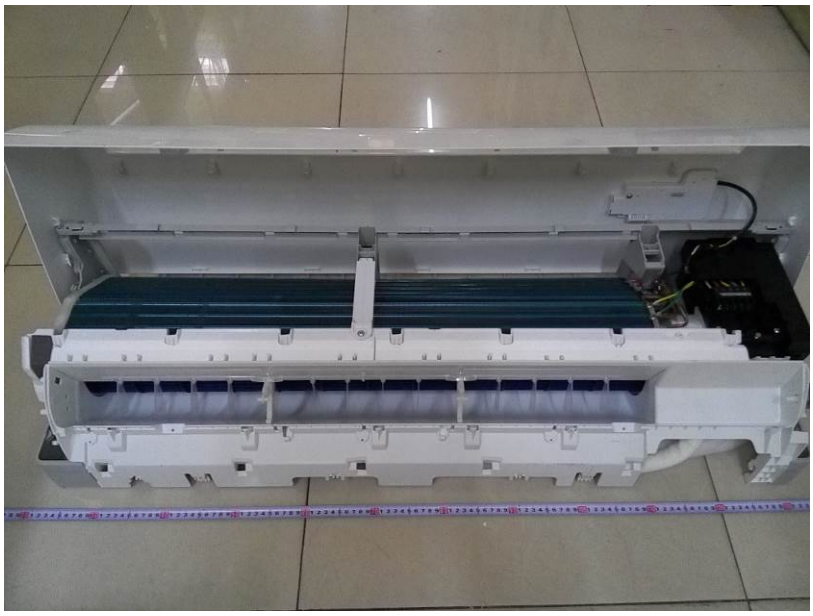
☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

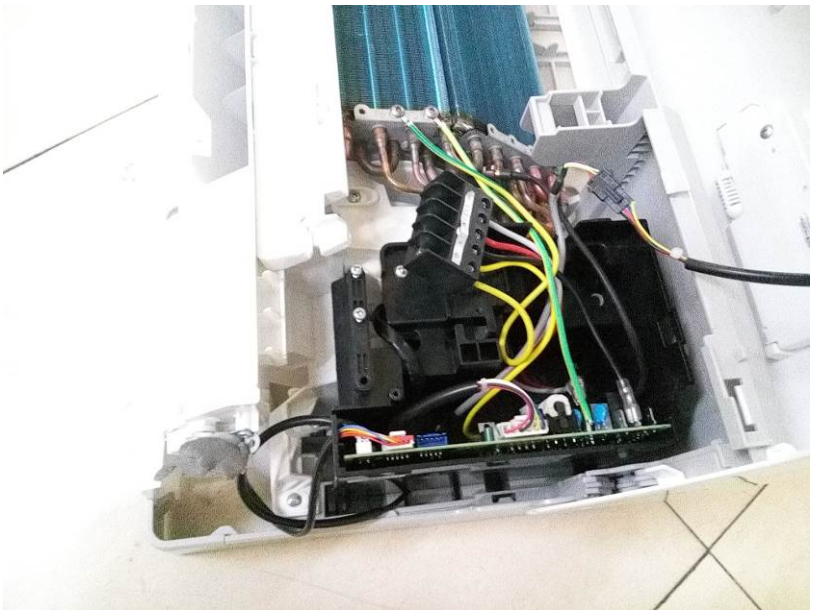
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Internal view of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

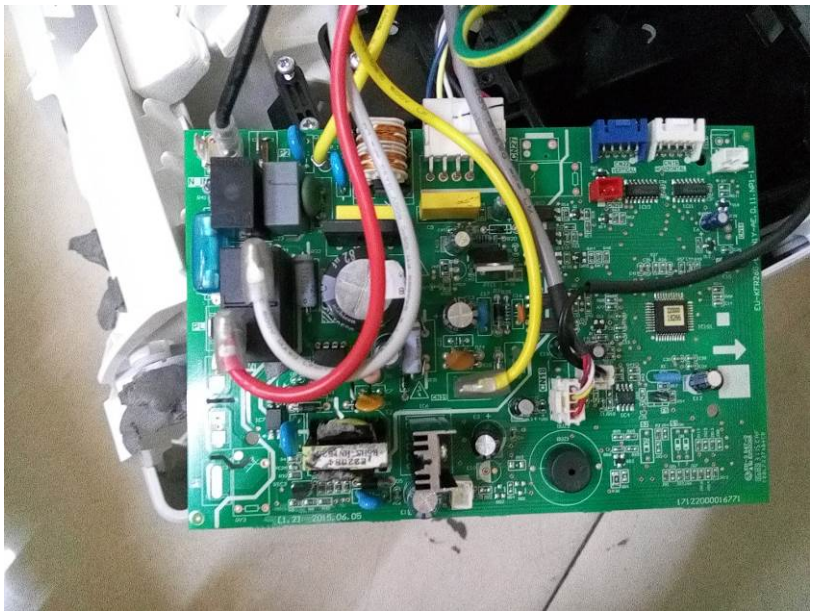


Attachment 4

Details of: Main PCB of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

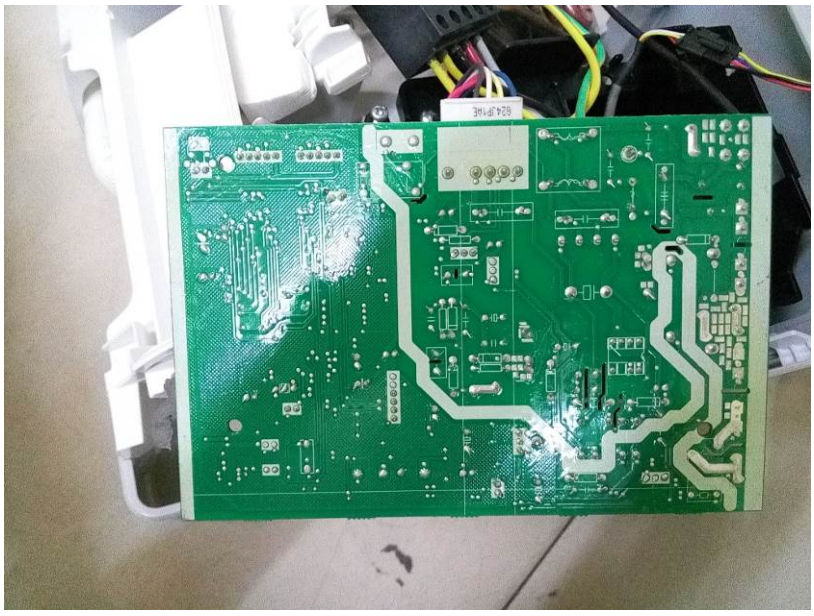
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Main PCB lay-out of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

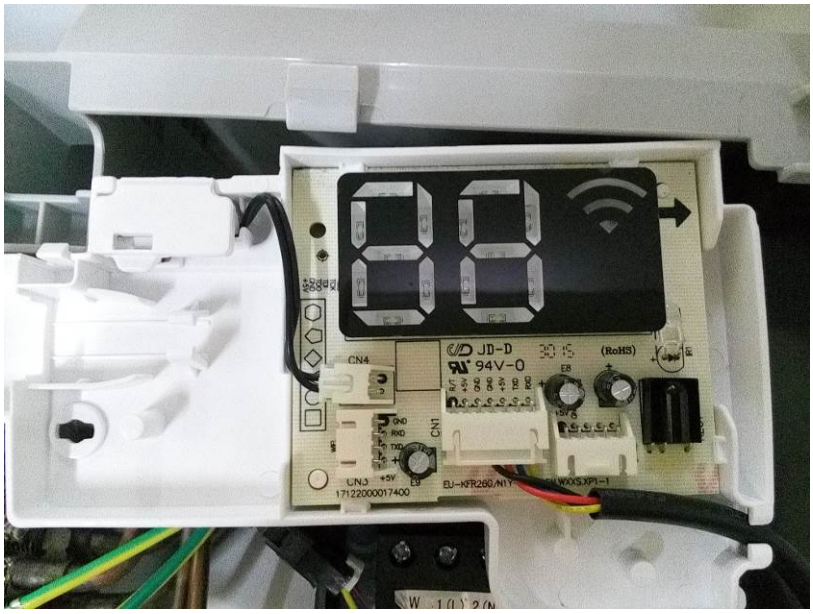


Attachment 4

Details of: Display PCB of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

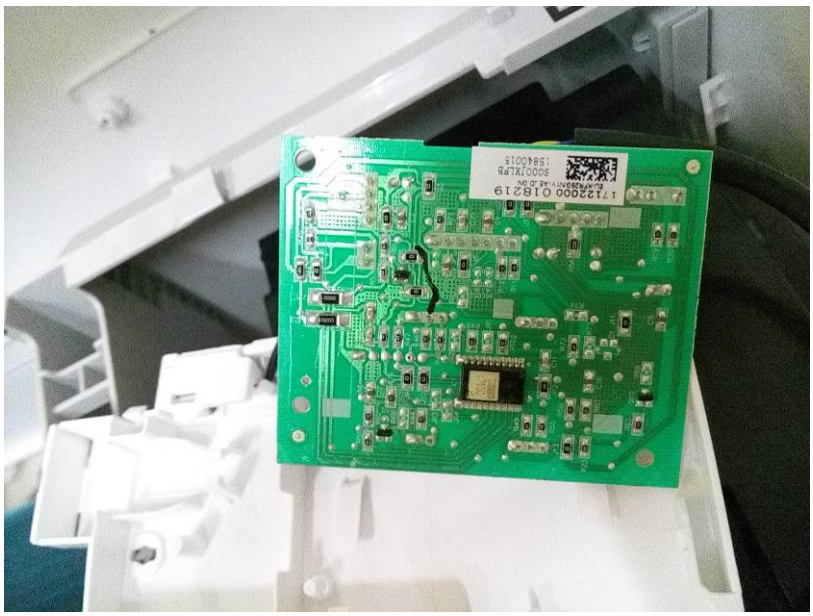
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB lay-out of indoor unit MSAEDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: General view of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

View:

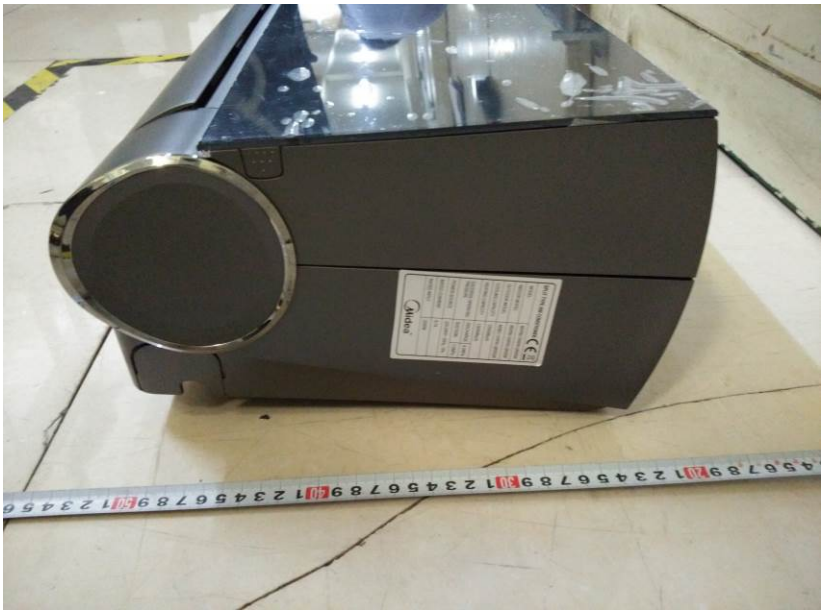
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

View:

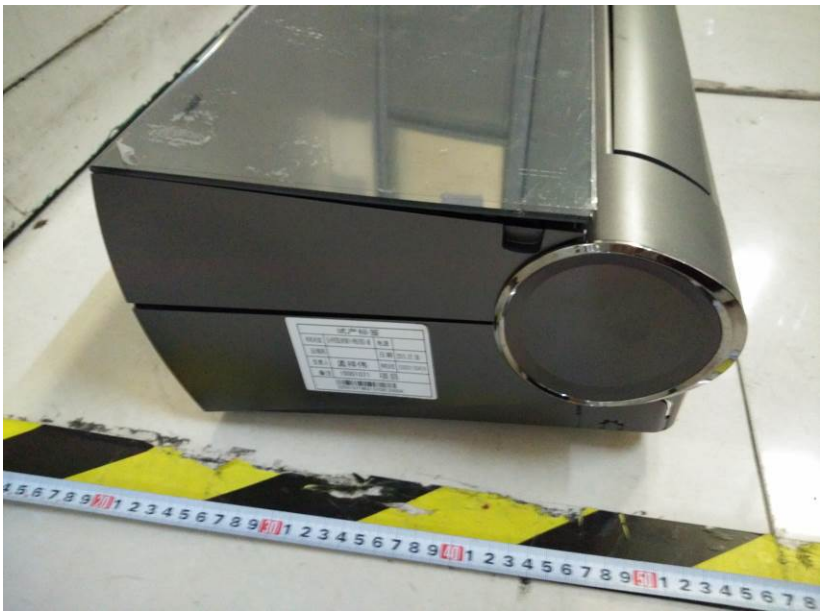
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Internal view of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

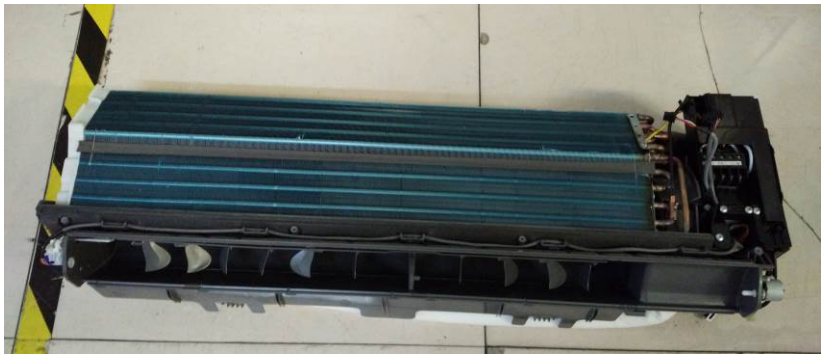
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Internal view of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

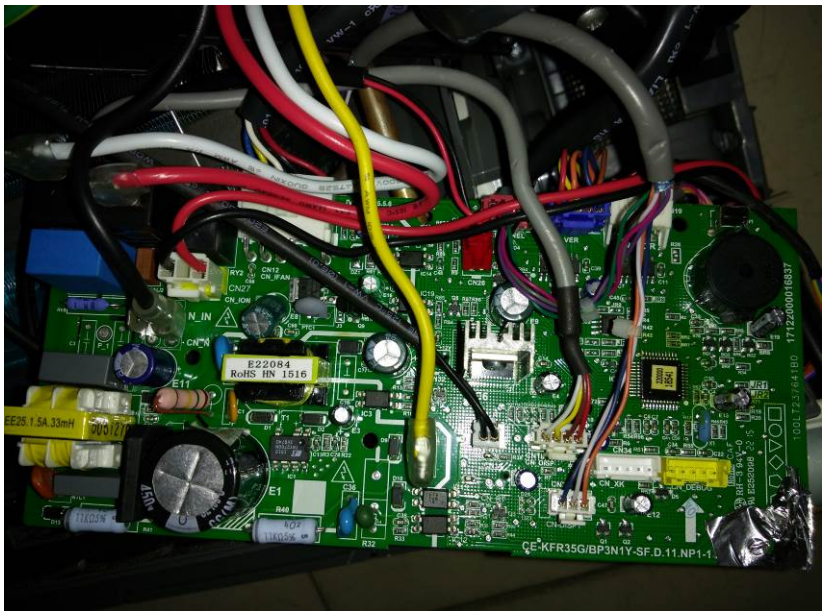
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Main PCB of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

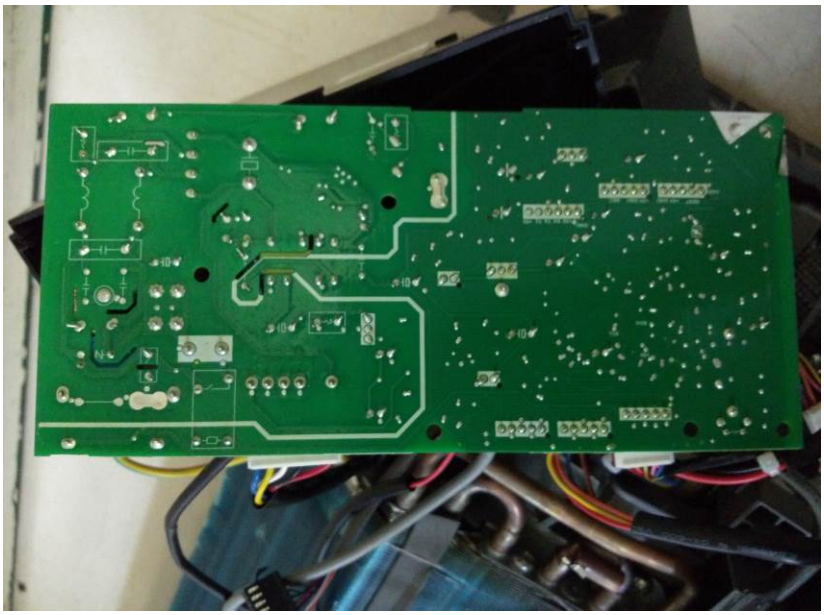


Attachment 4

Details of: Main PCB lay-out of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

View:

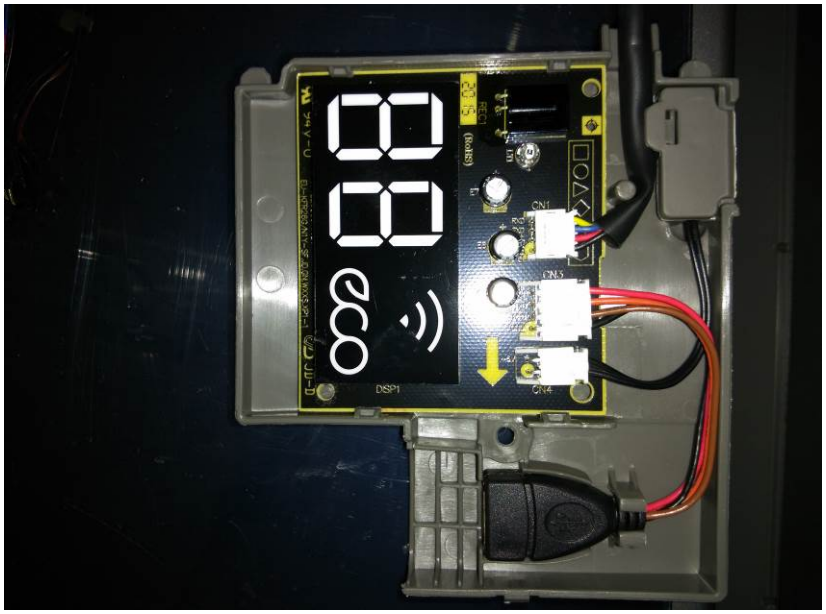
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

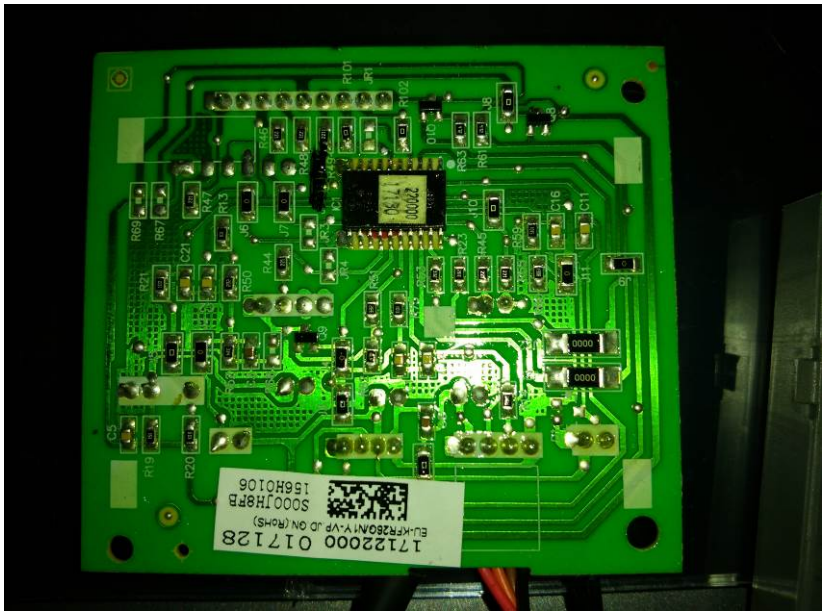


Attachment 4

Details of: Display PCB lay-out of indoor unit MSVPBU-09HRFN1-QRD0GW and MSVPBU-12HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit MSVPCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSVPCU-18HRFN1-QRD0GW

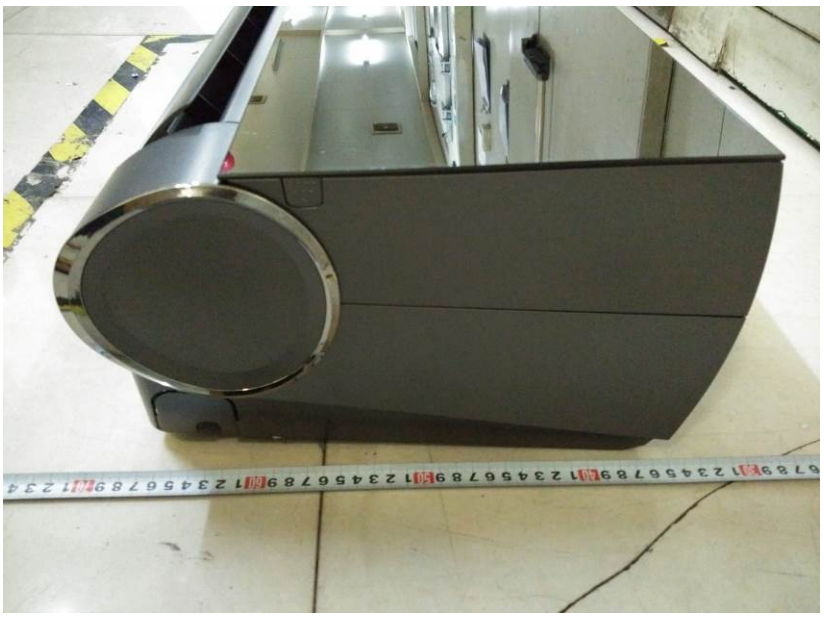
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSVPCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

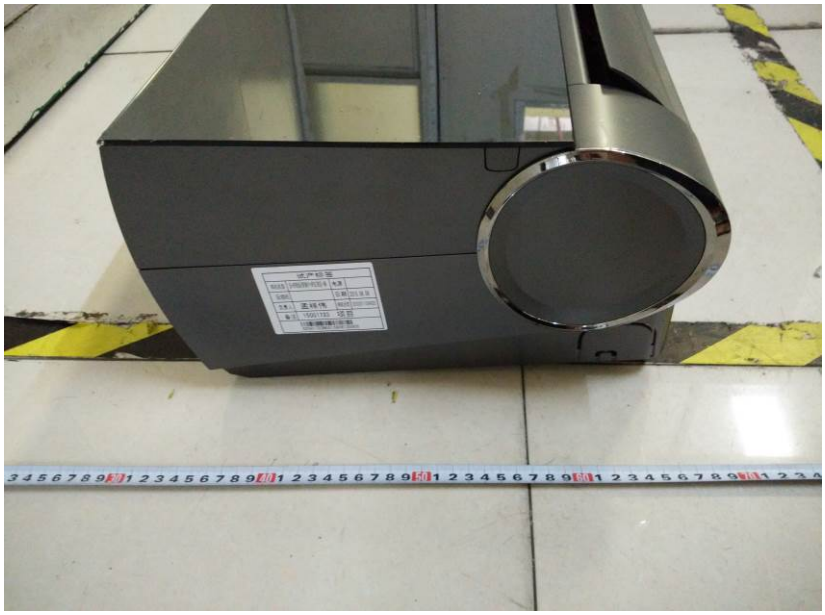


Attachment 4

Details of: General view of indoor unit MSVPCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Internal view of indoor unit MSVPCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSVPCU-18HRFN1-QRD0GW

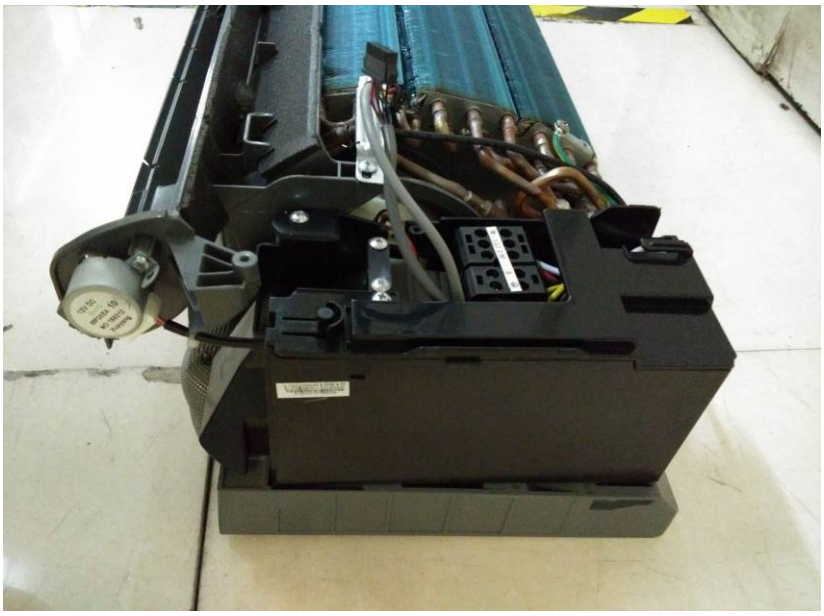
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSVPCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Main PCB of indoor unit MSVPCU-18HRFN1-QRD0GW

View:

☒ general

☐ front

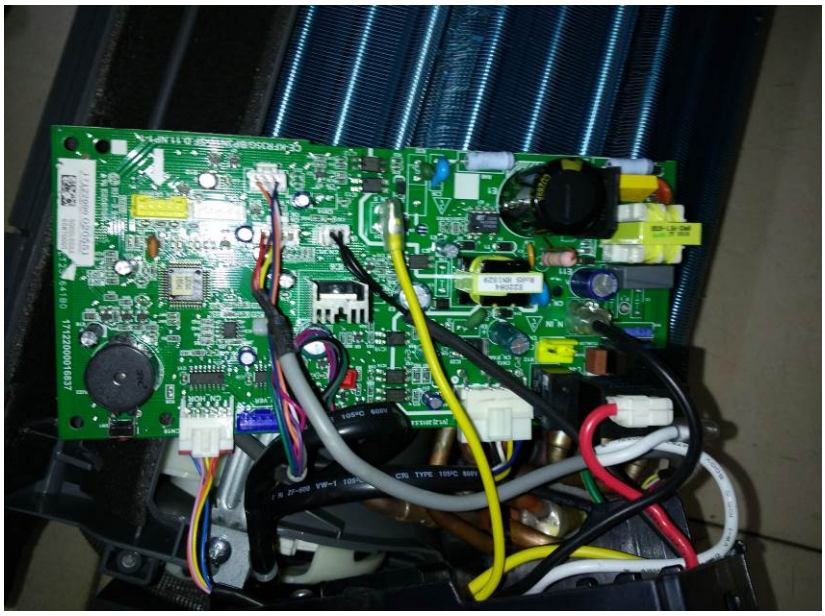
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB lay-out of indoor unit MSVPCU-18HRFN1-QRD0GW

View:

☒ general

☐ front

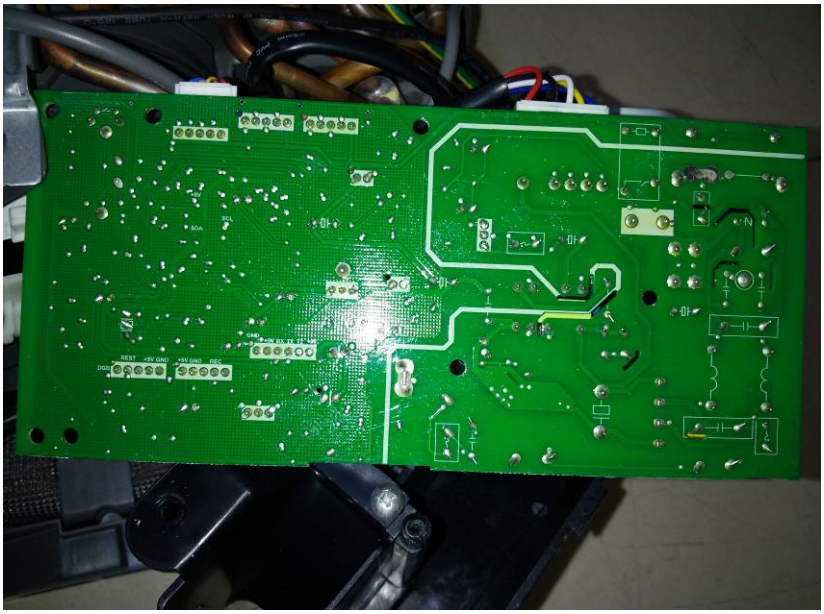
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of indoor unit MSVPDU-24HRFN1-QRD0GW

View:

☒ general
☐ front
☐ rear
☐ right
☐ left
☐ top
☐ bottom

Details of: General view of indoor unit MSVPDU-24HRFN1-QRD0GW

View:

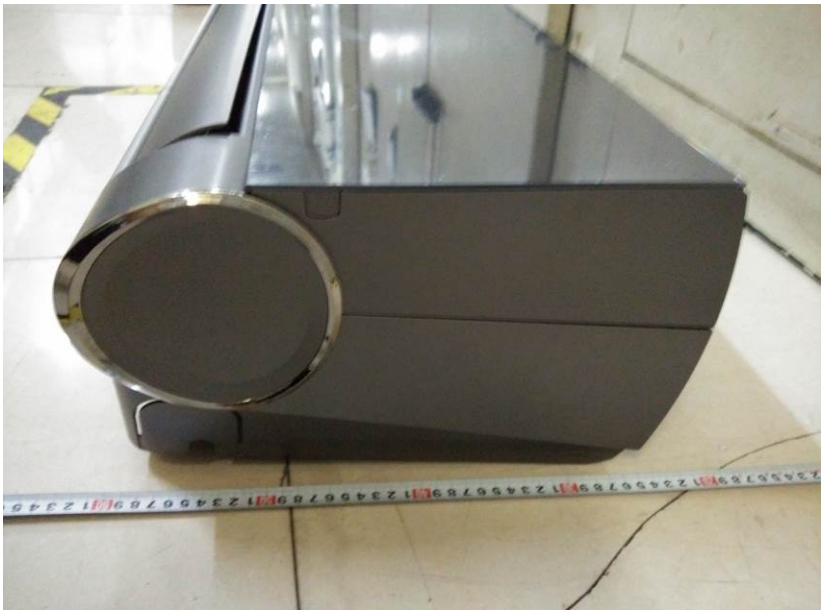
☒ general
☐ front
☐ rear
☐ right
☐ left
☐ top
☐ bottom

Attachment 4

Details of: General view of indoor unit MSVPDU-24HRFN1-QRD0GW

View:

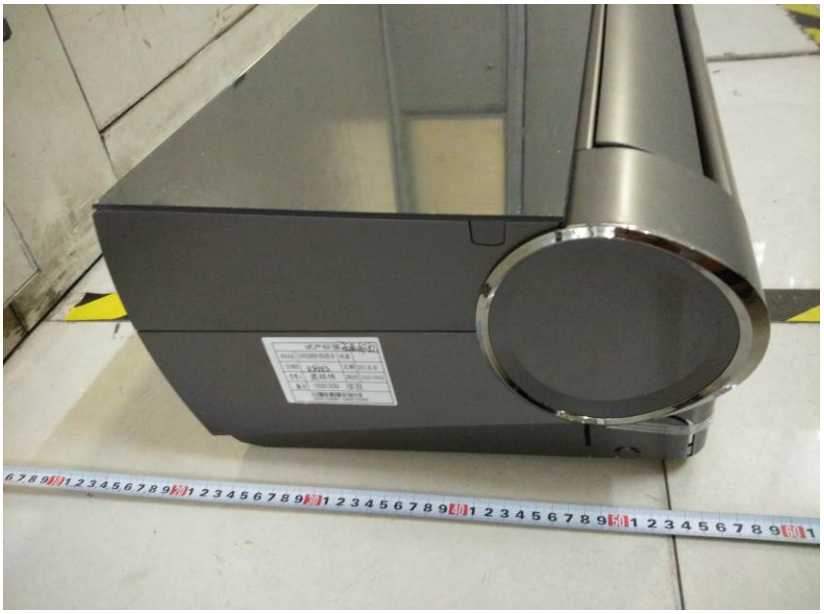
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit MSVPDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

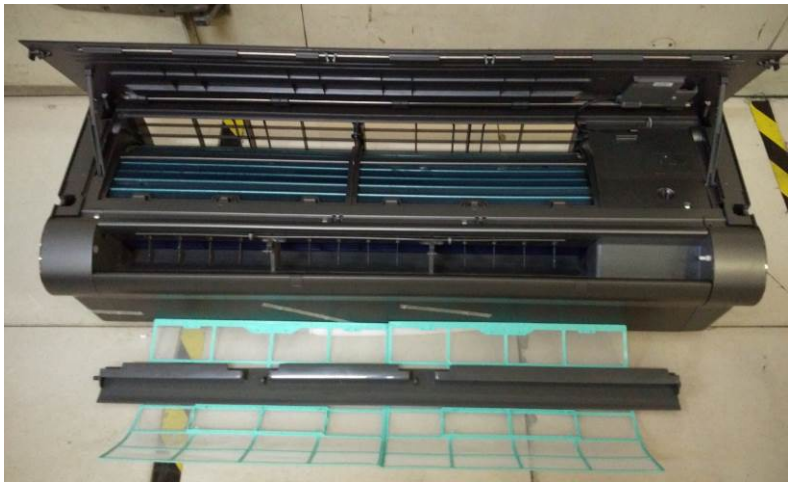


Attachment 4

Details of: Internal view of indoor unit MSVPDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Internal view of indoor unit MSVPDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSVPDU-24HRFN1-QRD0GW

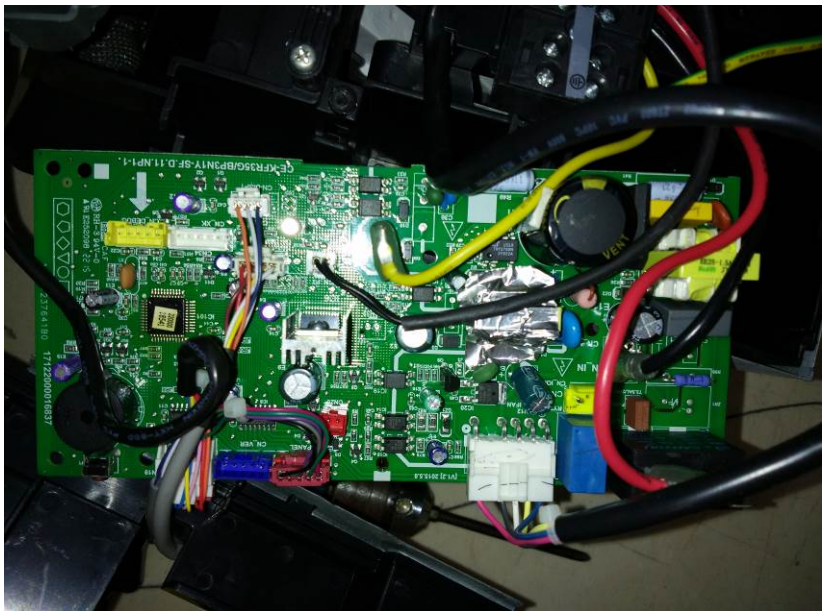
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Main PCB of indoor unit MSVPDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

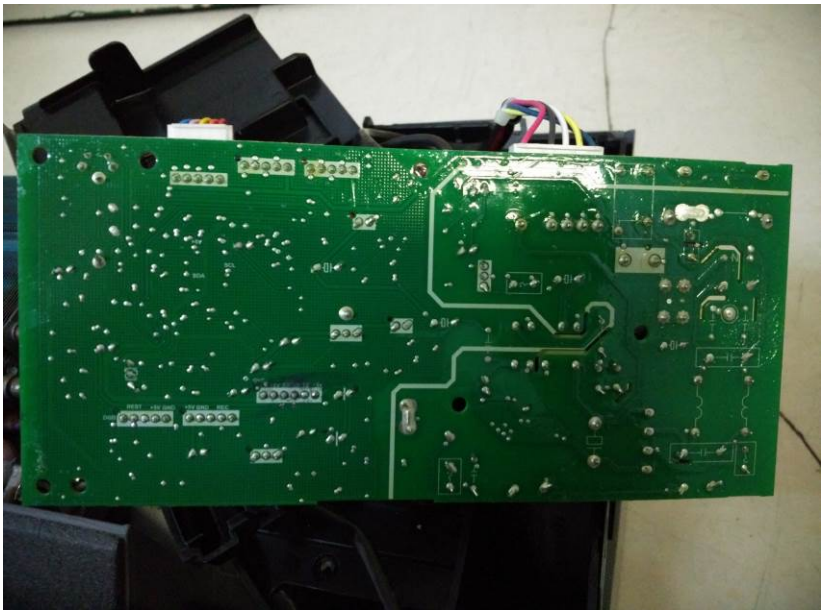


Attachment 4

Details of: Main PCB lay-out of indoor unit MSVPDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

☒ general

☐ front

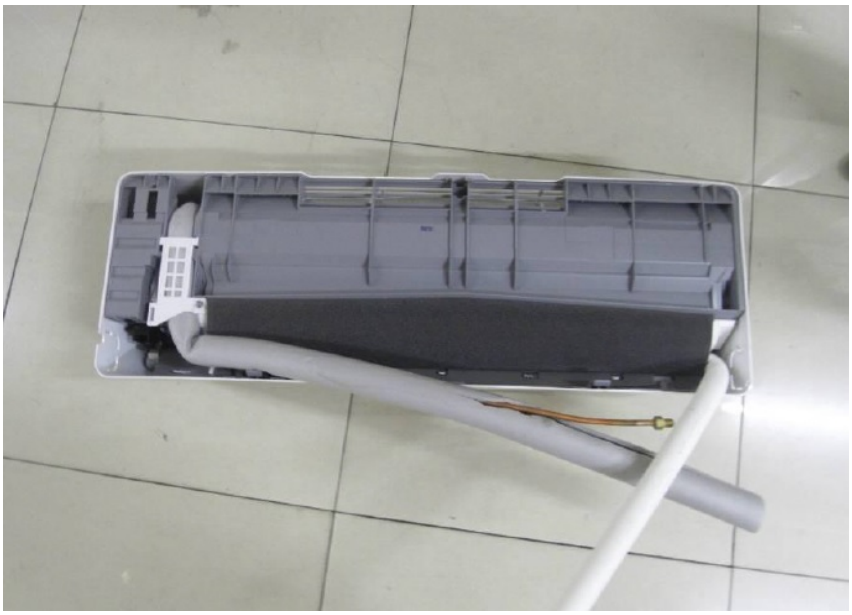
☐ rear

☐ right

☐ left

☐ top

☐ bottom

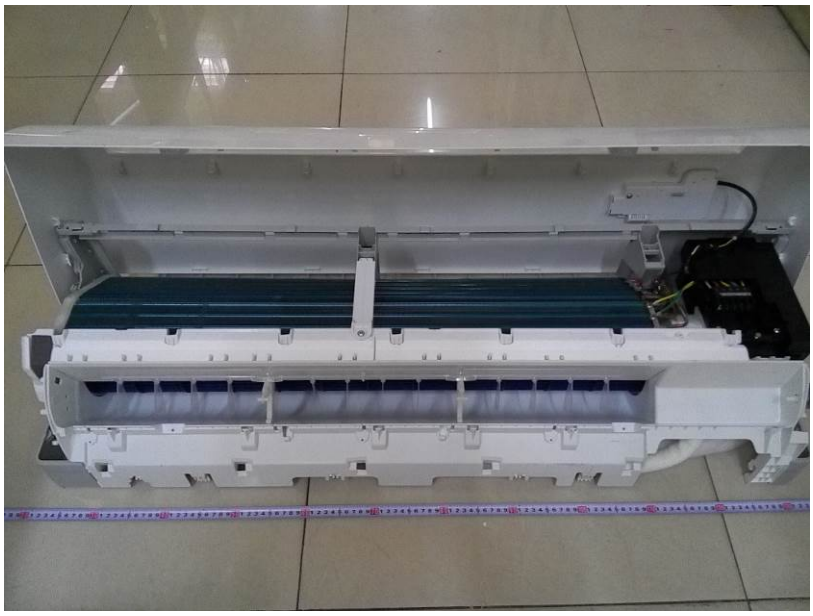


Attachment 4

Details of: Internal view of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

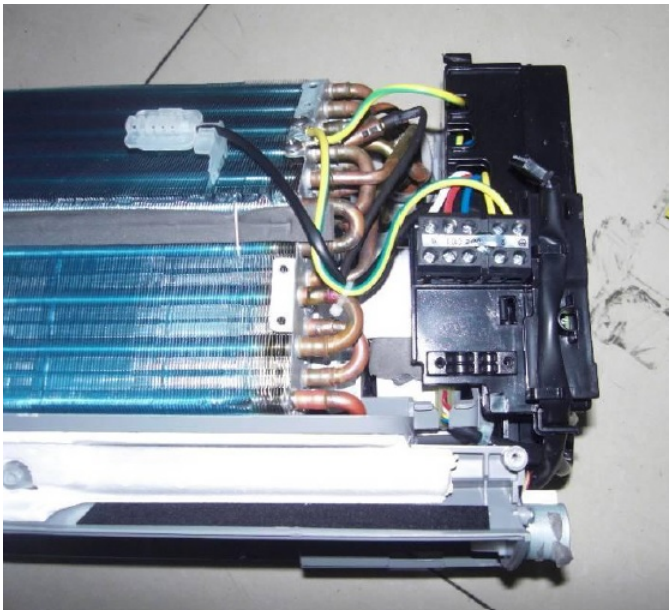
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Internal view of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Main PCB of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

☒ general

☐ front

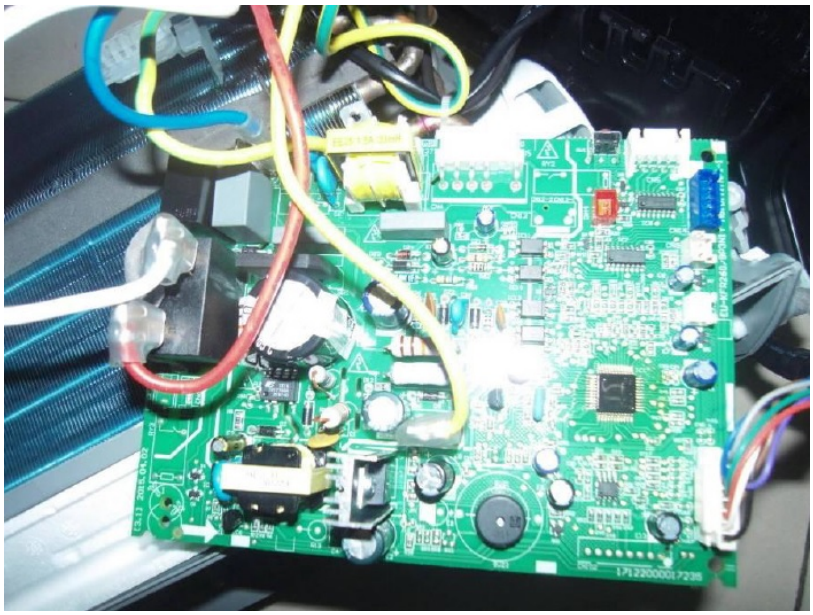
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB lay-out of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

☒ general

☐ front

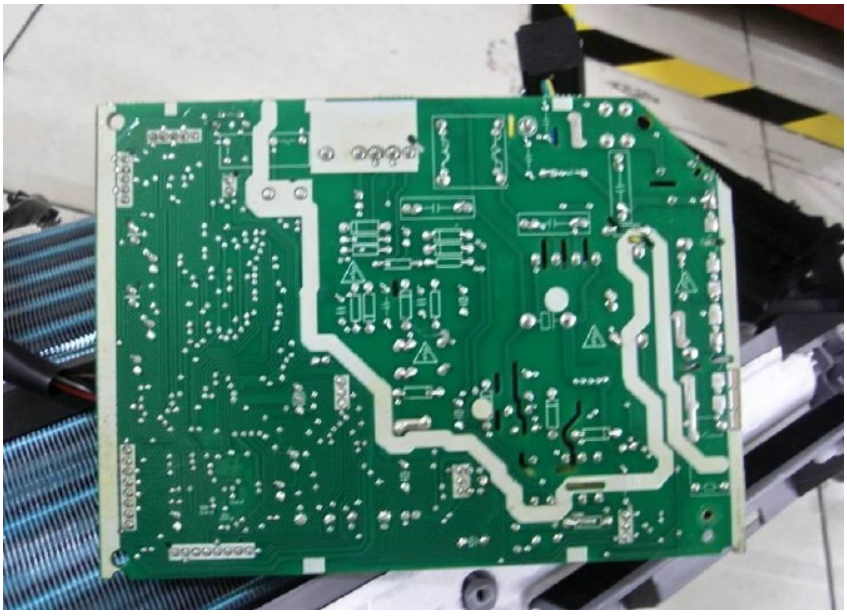
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Display PCB of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

☒ general

☐ front

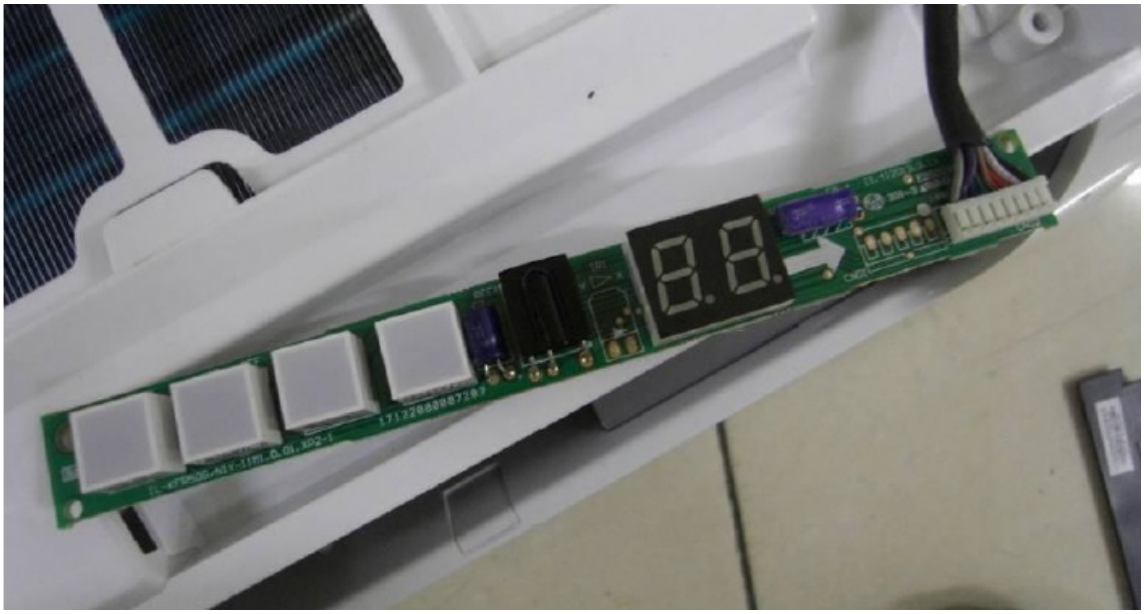
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB lay-out of indoor unit MS11MU-09HRFN1-QRD1GW and MS11MU-12HRFN1-QRD1GW

View:

☒ general

☐ front

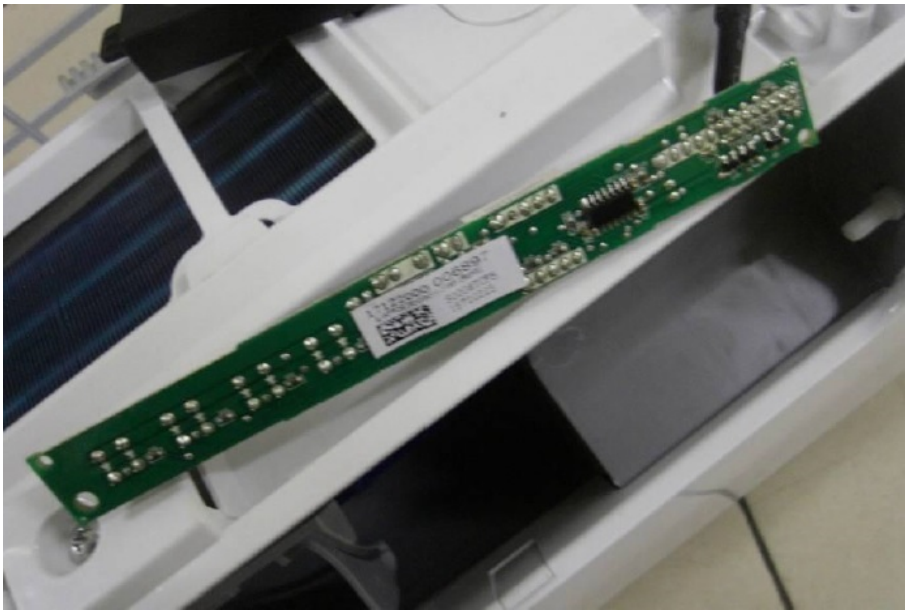
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

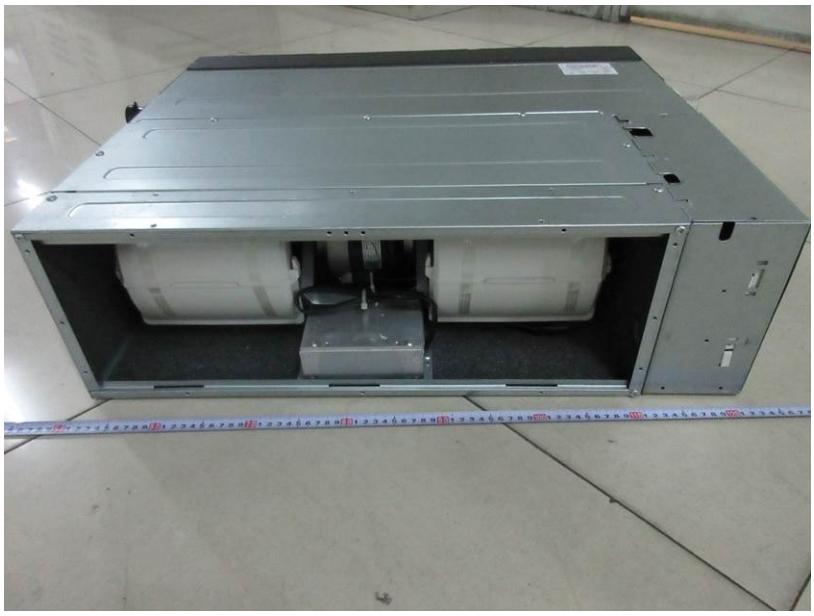
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

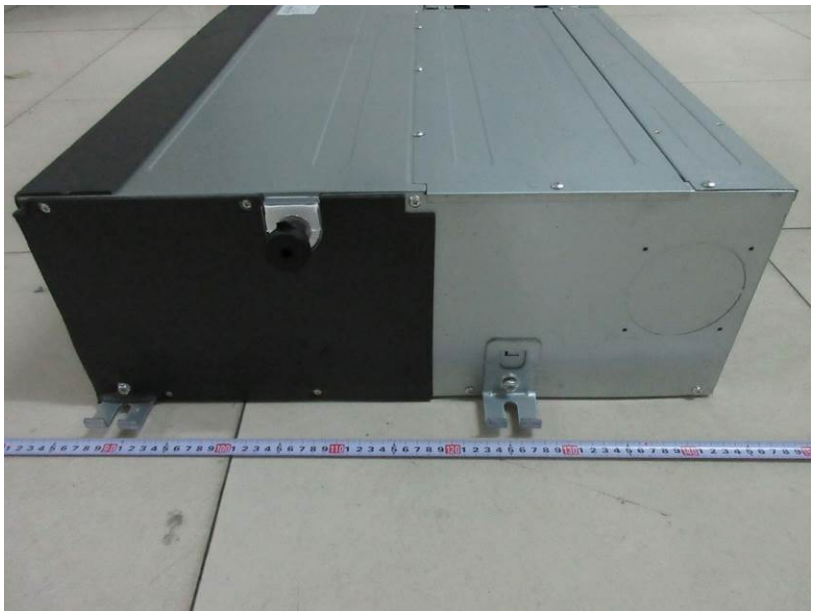
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: General view of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Inner view of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: PCB of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

☒ general

☐ front

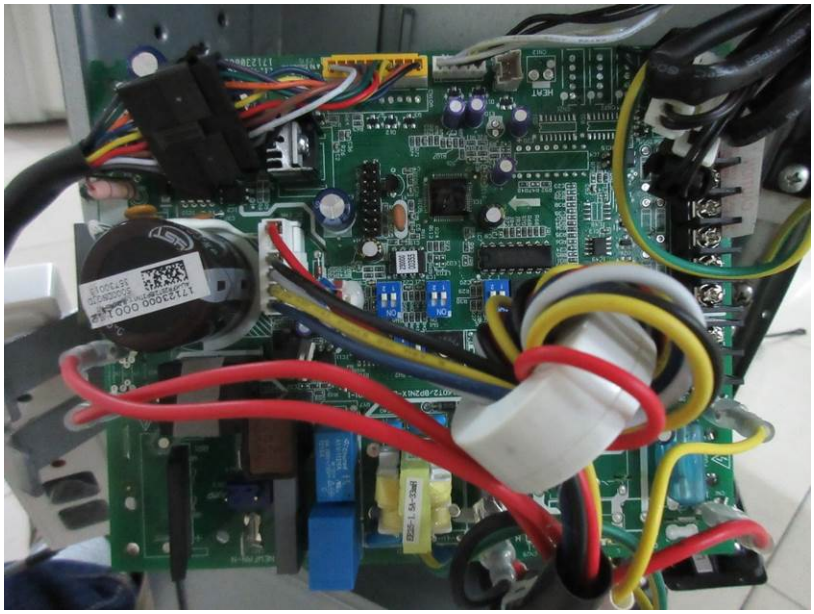
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB lay-out of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

☒ general

☐ front

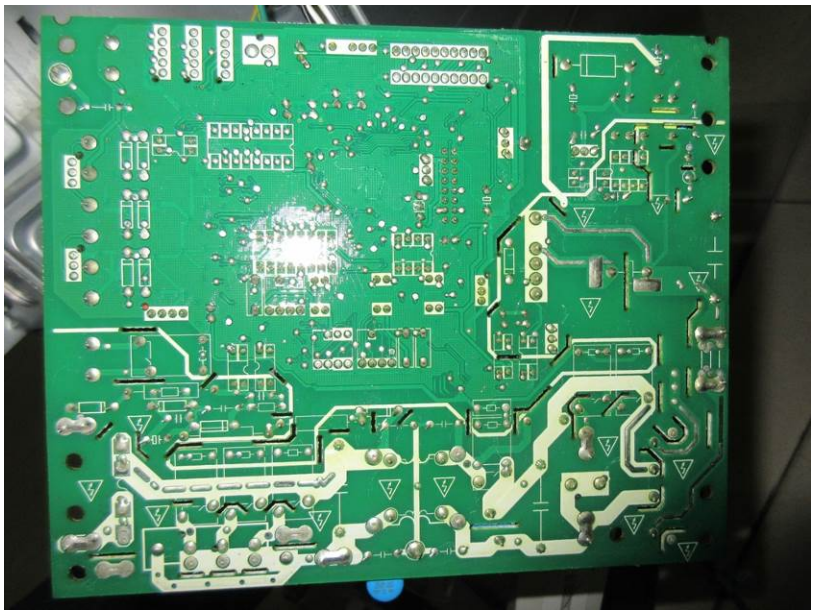
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: DC fan motor PCB of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: DC fan motor PCB lay-out of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

☒ general

☐ front

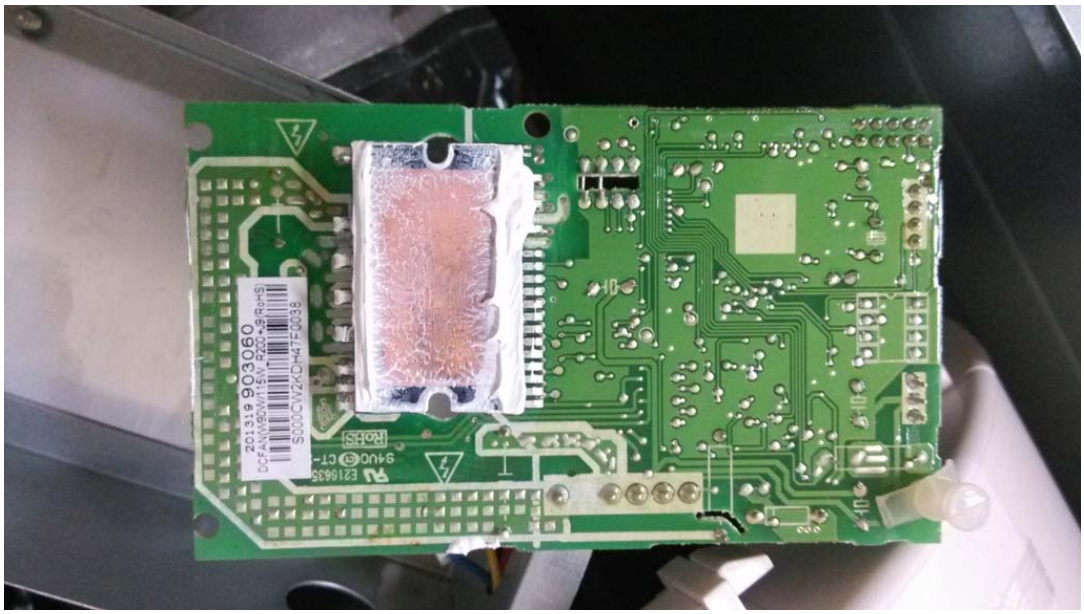
☐ rear

☐ right

☐ left

☐ top

☐ bottom

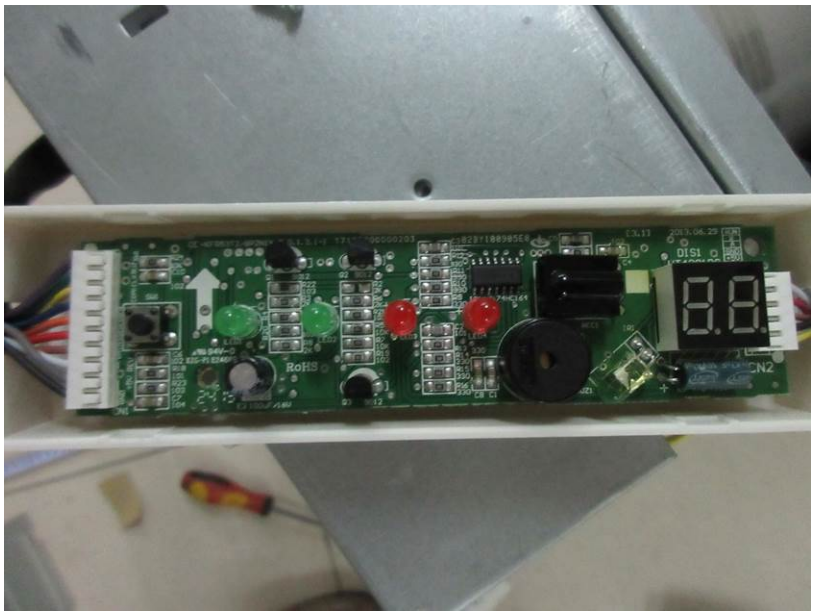


Attachment 4

Details of: Display PCB of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

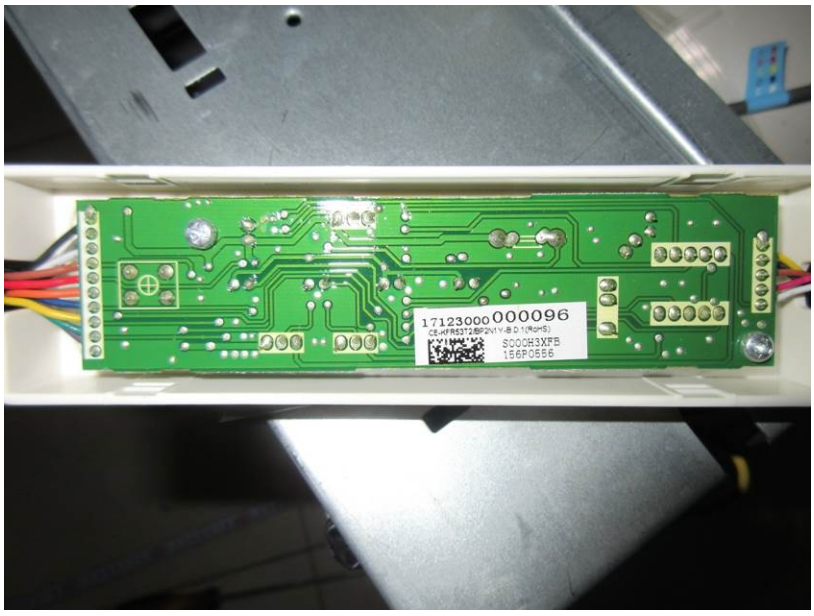
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB lay-out of indoor unit MTBI-07HWFN1-QRD0 and MTBI-09HWFN1-QRD0

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: General view of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

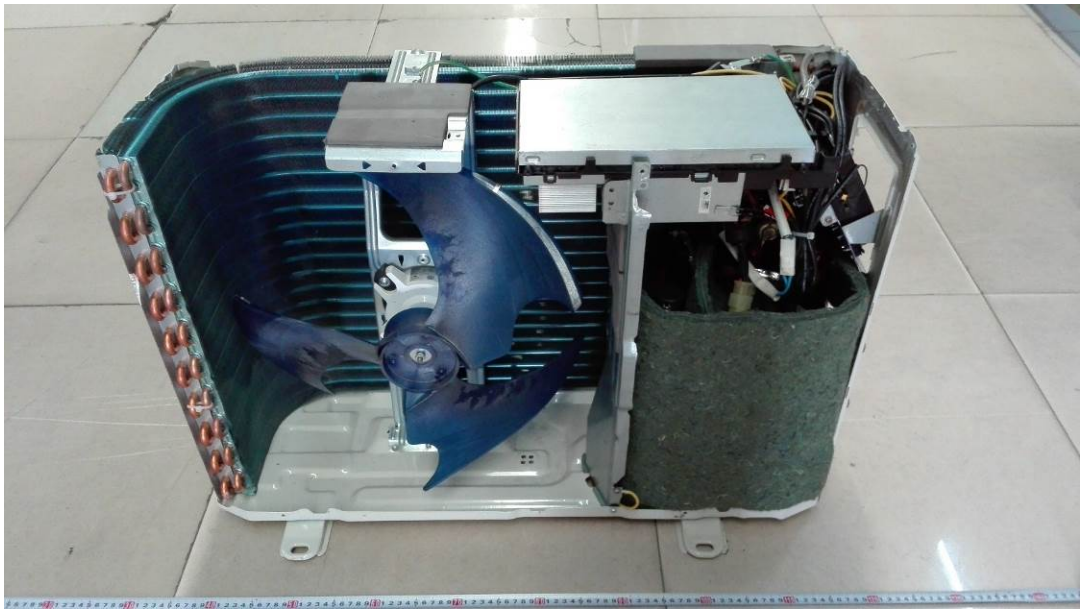
☐ bottom

Attachment 4

Details of: Internal view of outdoor unit M2OF-18HFN1-Q

View:

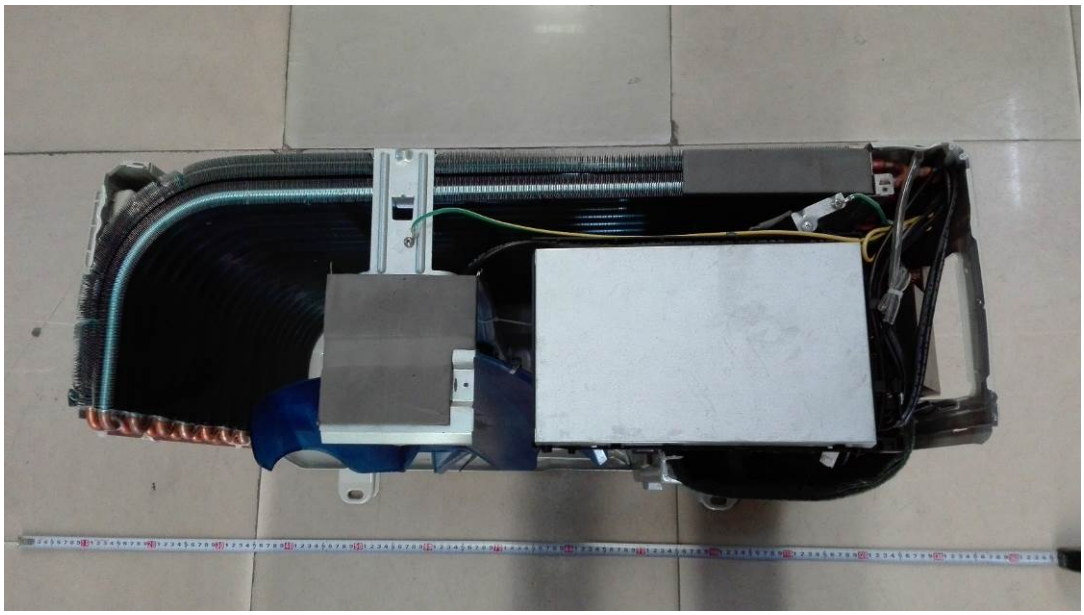
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Internal view of outdoor unit M2OF-18HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Main PCB 1 of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Main PCB 1 lay-out of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

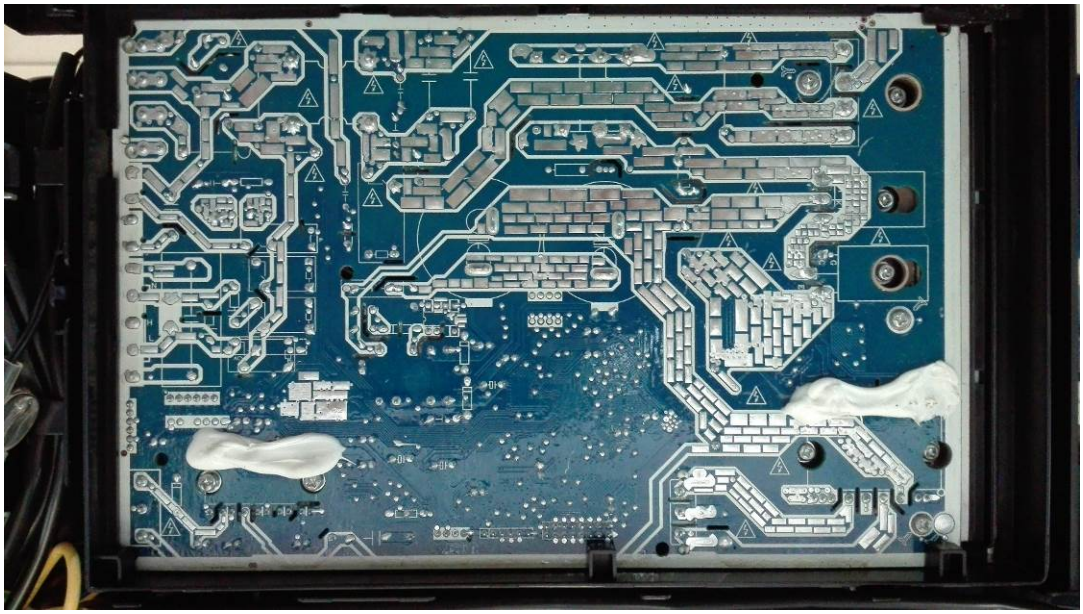
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Main PCB 2 of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

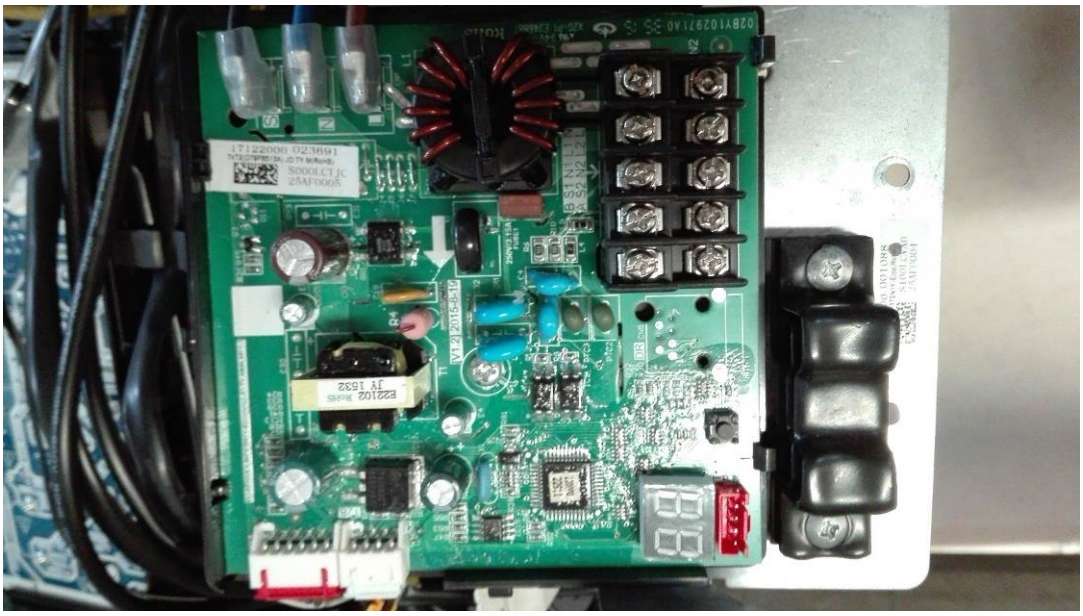
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB 2 lay-out of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

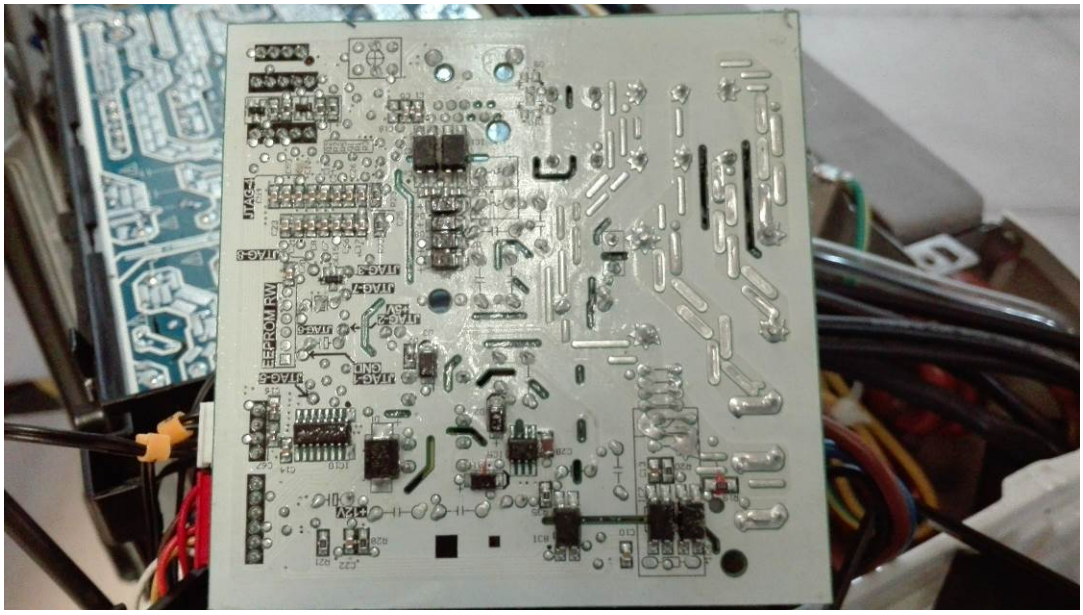
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Compressor of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Terminal block and earthed terminal of outdoor unit M2OF-18HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit M3OE-27HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M3OE-27HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit M3OE-27HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M3OE-27HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Internal view of outdoor unit M3OE-27HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Internal view of outdoor unit M3OE-27HFN1-Q

View:

☒ general

☐ front

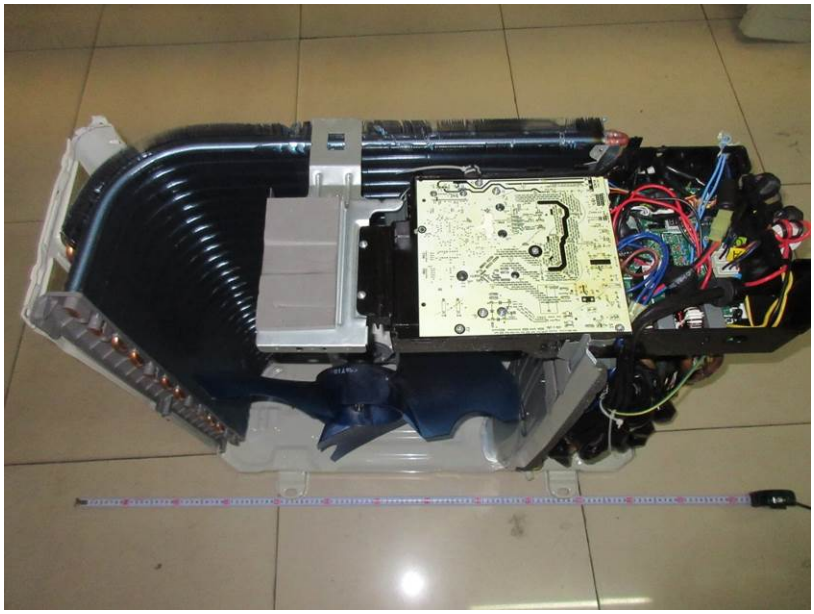
☐ rear

☐ right

☐ left

☐ top

☐ bottom

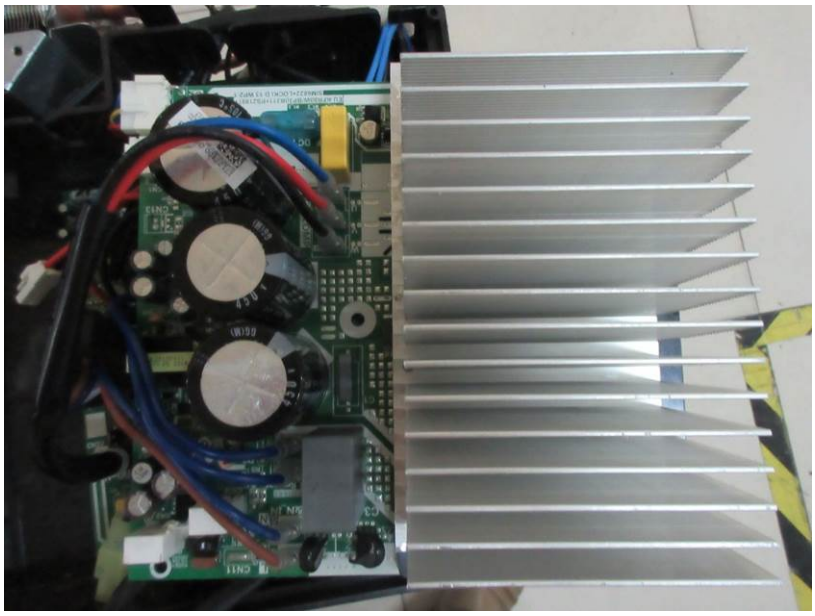


Attachment 4

Details of: Main PCB 1 of outdoor unit M3OE-27HFN1-Q

View:

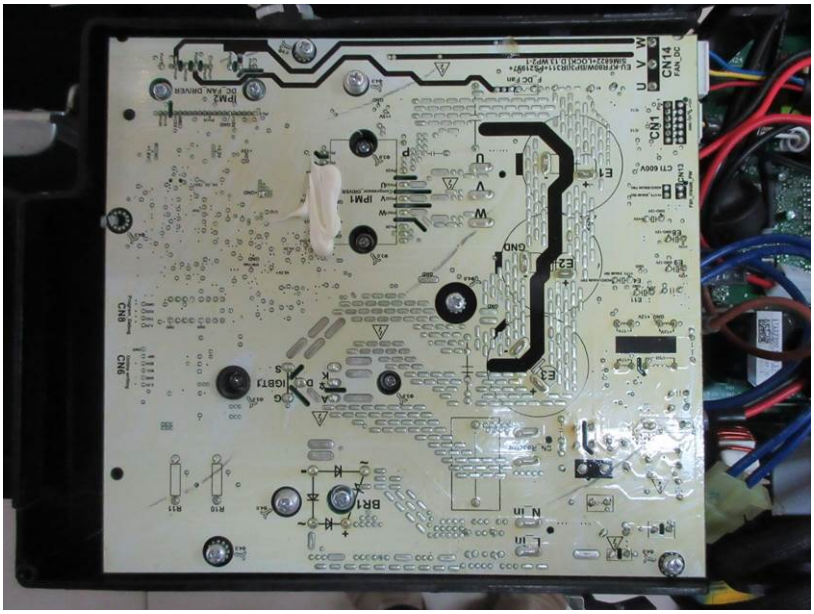
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Main PCB 1 lay-out of outdoor unit M3OE-27HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Main PCB 2 of outdoor unit M3OE-27HFN1-Q

View:

☒ general

☐ front

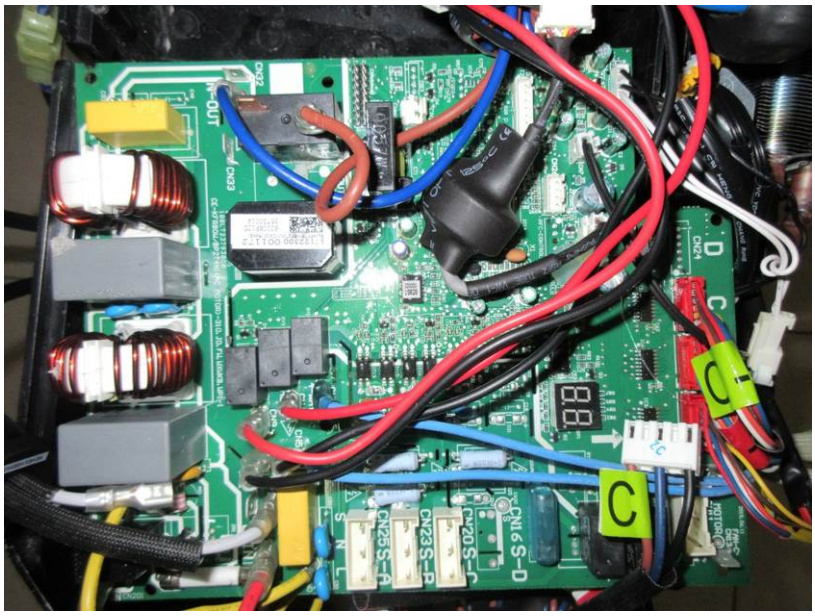
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB 2 lay-out of outdoor unit M3OE-27HFN1-Q

View:

☒ general

☐ front

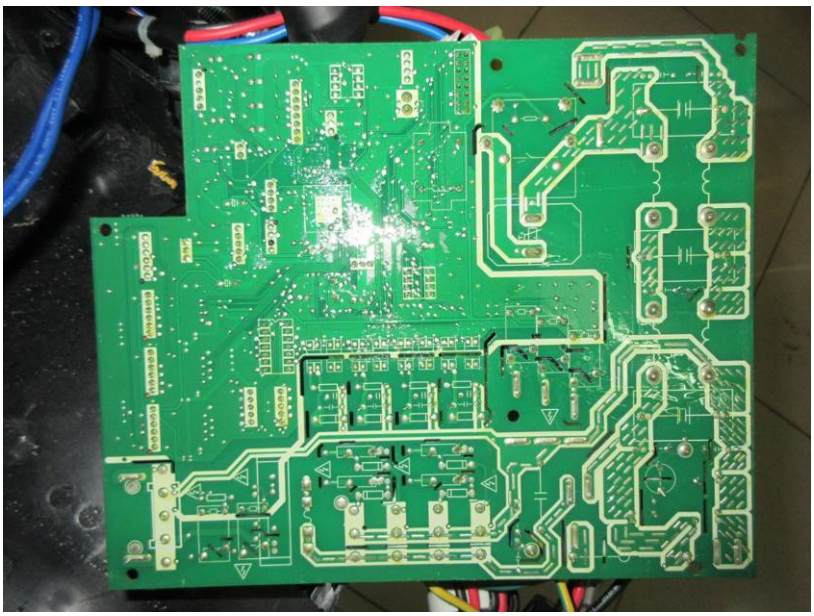
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Compressor of outdoor unit M3OE-27HFN1-Q

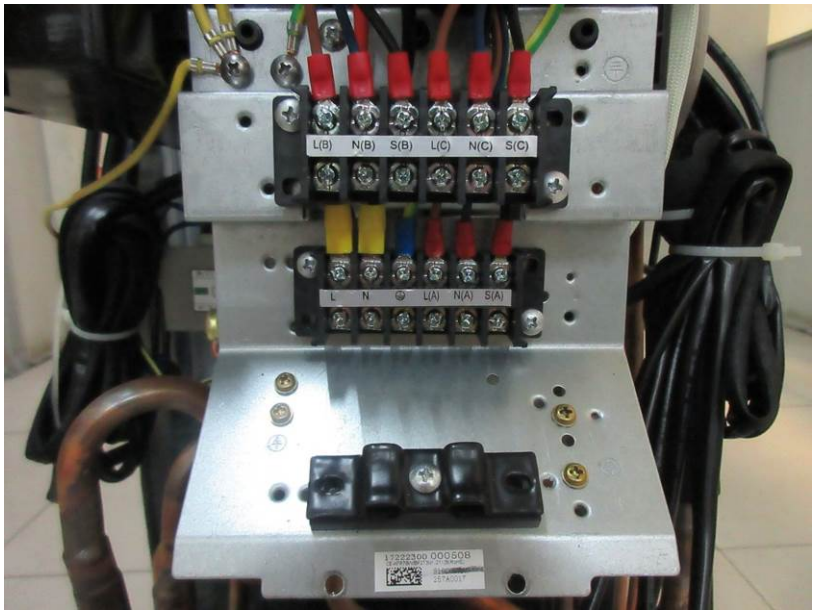
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Terminal block and earthed terminal of outdoor unit M3OE-27HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: General view of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Internal view of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

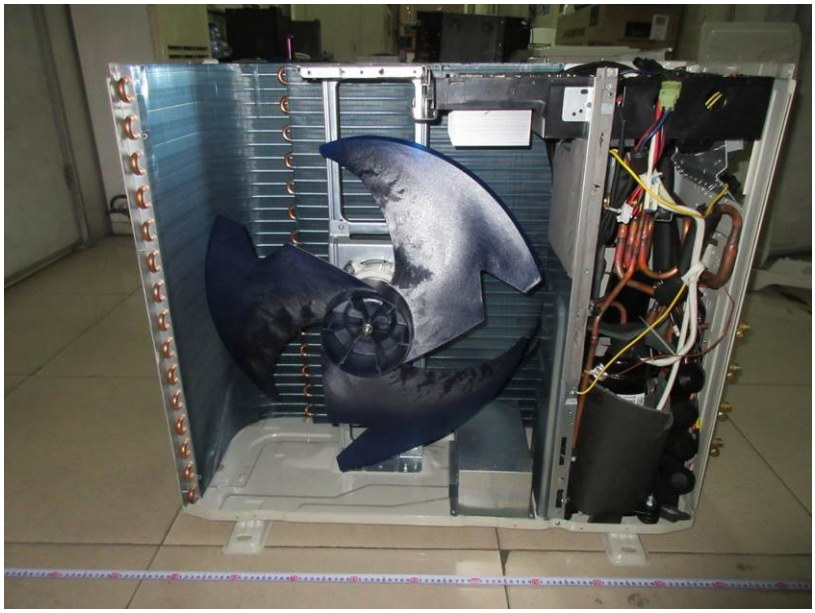
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Internal view of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Main PCB 1 of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

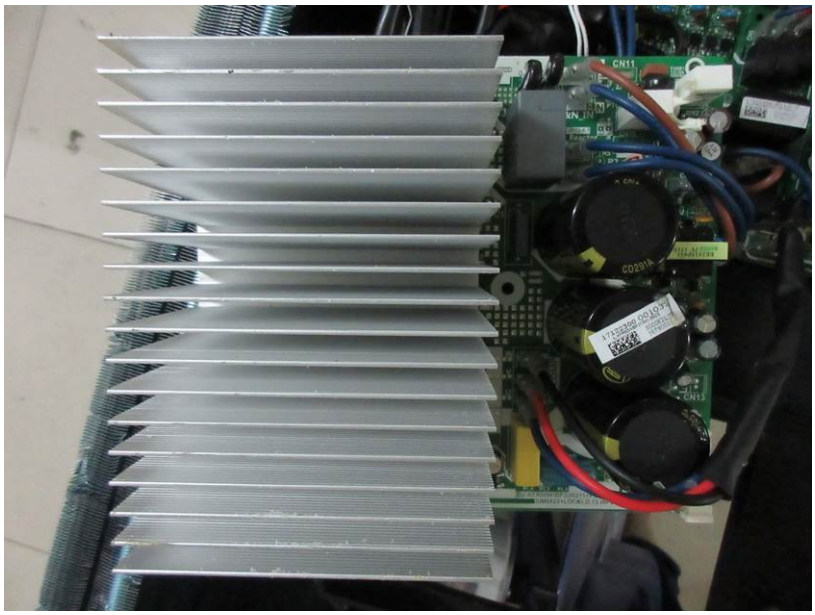
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB 1 lay-out of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

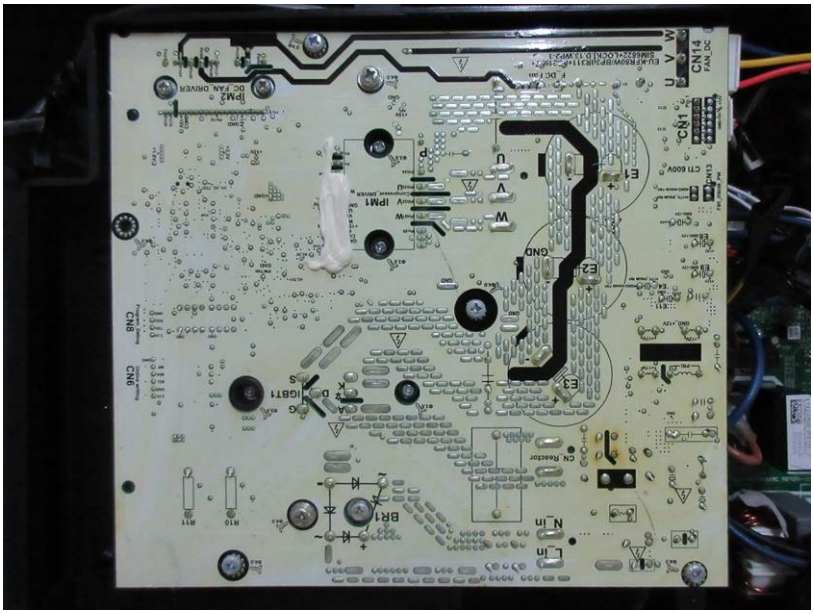
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Main PCB 2 of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

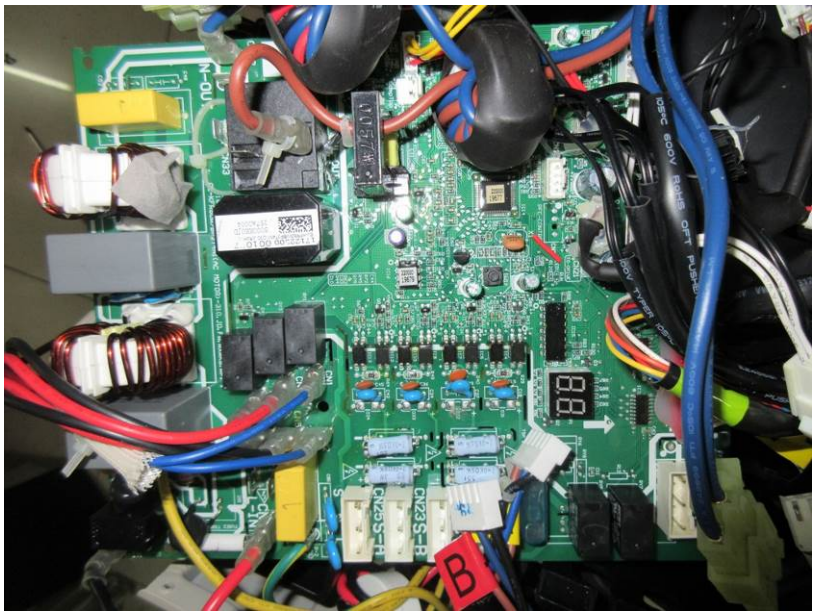
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB 2 lay-out of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

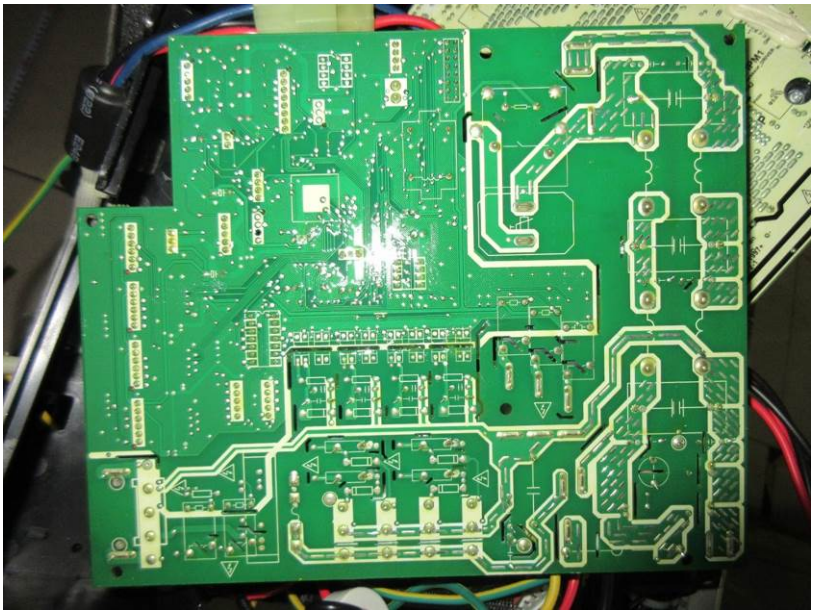
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Compressor of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Terminal block and earthed terminal of outdoor unit M4OE-28HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit M4OB-36HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M4OB-36HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit M4OB-36HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of outdoor unit M4OB-36HFN1-Q

View:

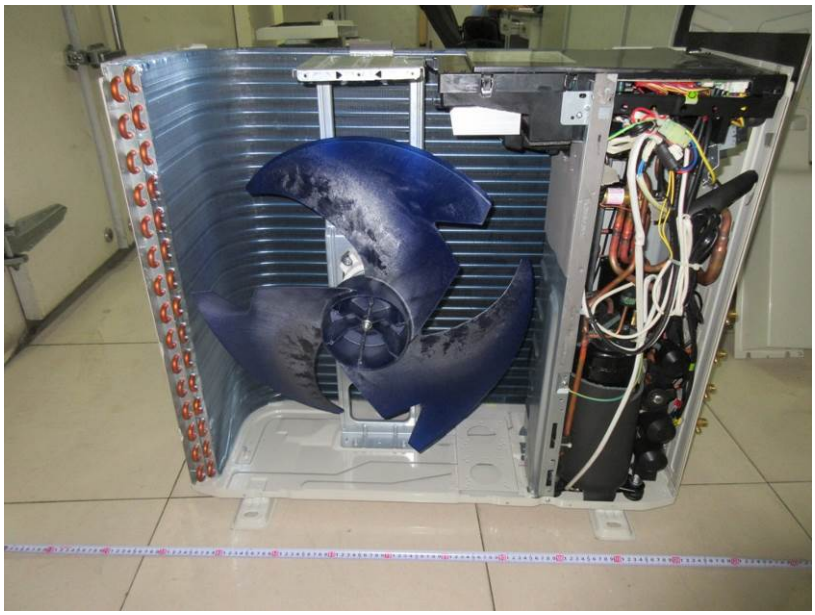
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of outdoor unit M4OB-36HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Internal view of outdoor unit M4OB-36HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB 1 of outdoor unit M4OB-36HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Main PCB 1 lay-out of outdoor unit M4OB-36HFN1-Q

View:

☒ general

☐ front

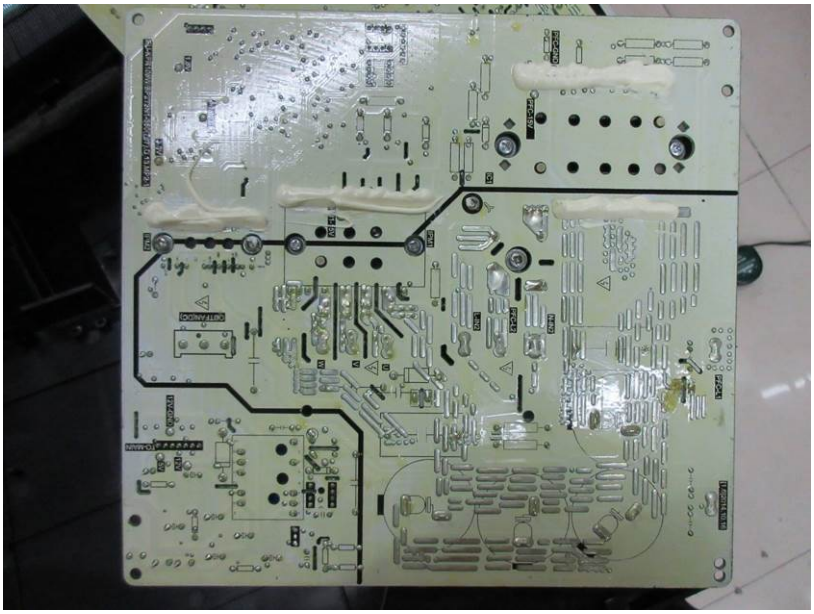
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Main PCB 2 of outdoor unit M4OB-36HFN1-Q

View:

☒ general

☐ front

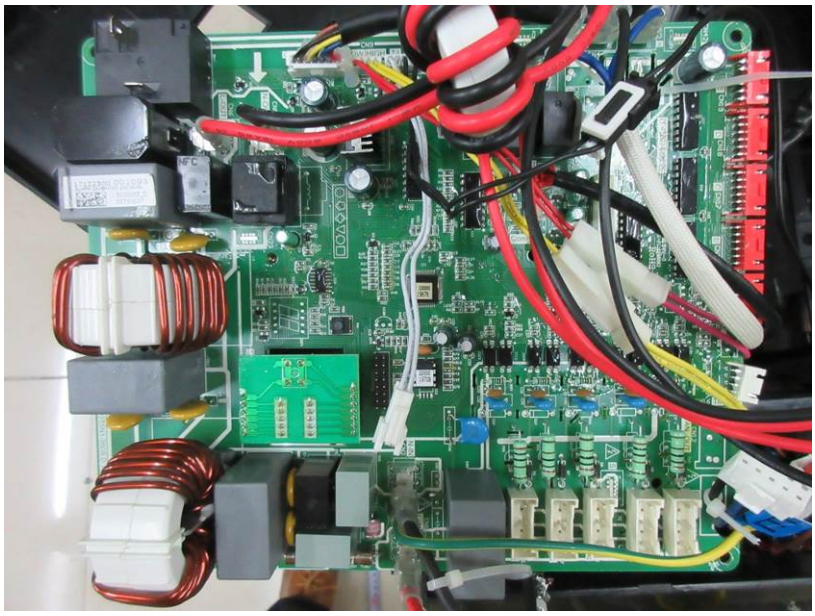
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB 2 lay-out of outdoor unit M4OB-36HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

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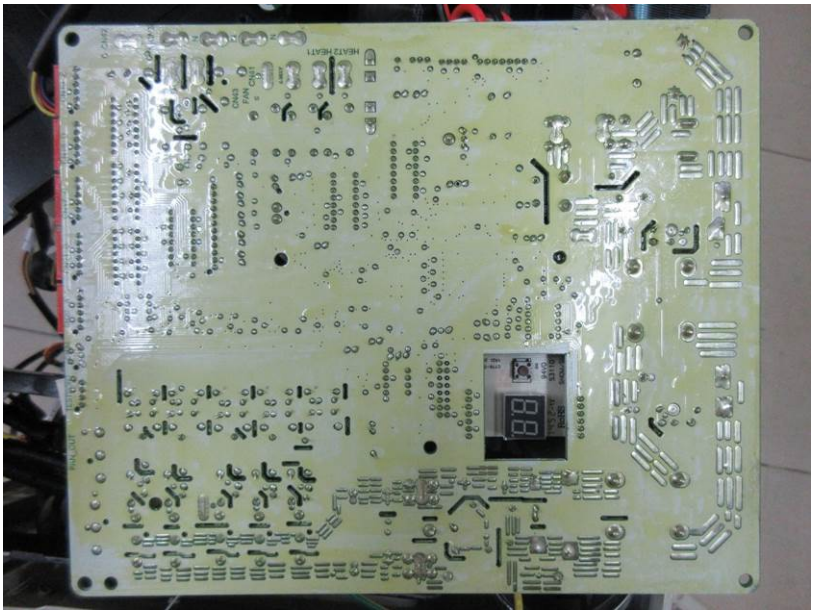
☐ bottom



Attachment 4

Details of: Compressor of outdoor unit M4OB-36HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Terminal block and earthed terminal of outdoor unit M4OB-36HFN1-Q

View:

☒ general

☐ front

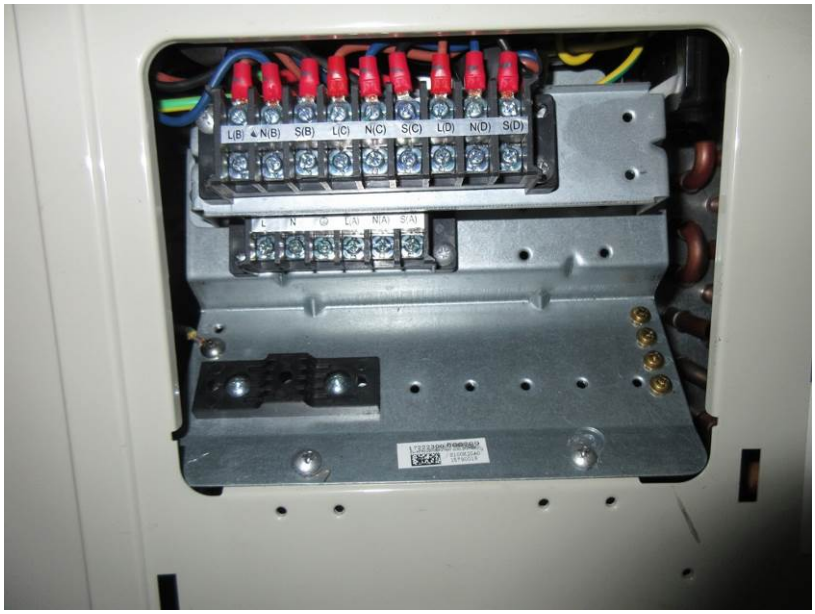
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: General view of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Internal view of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Internal view of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Main PCB 1 of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

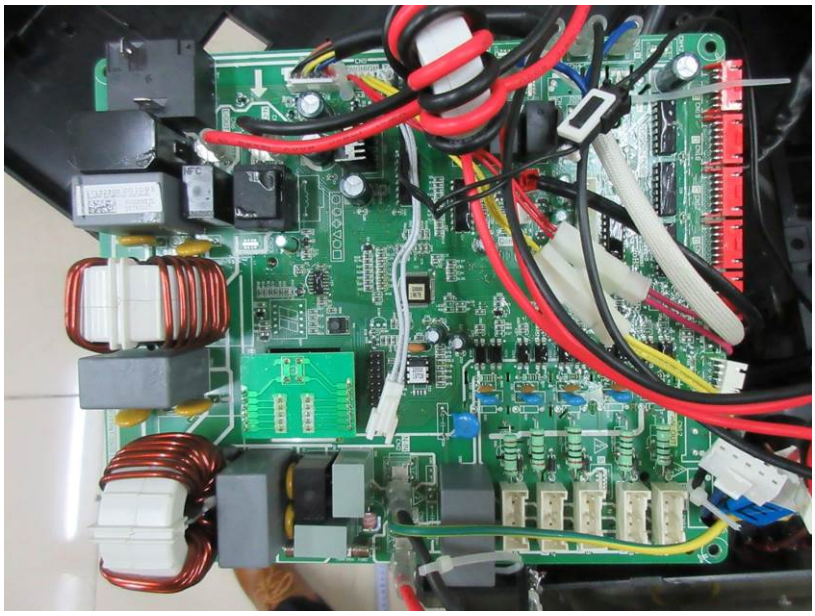
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB 1 lay-out of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

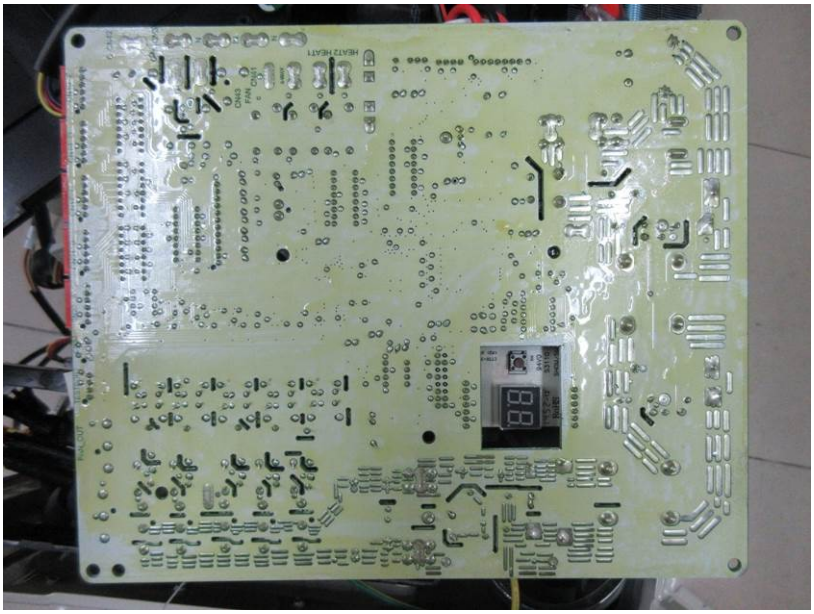
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Main PCB 2 of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

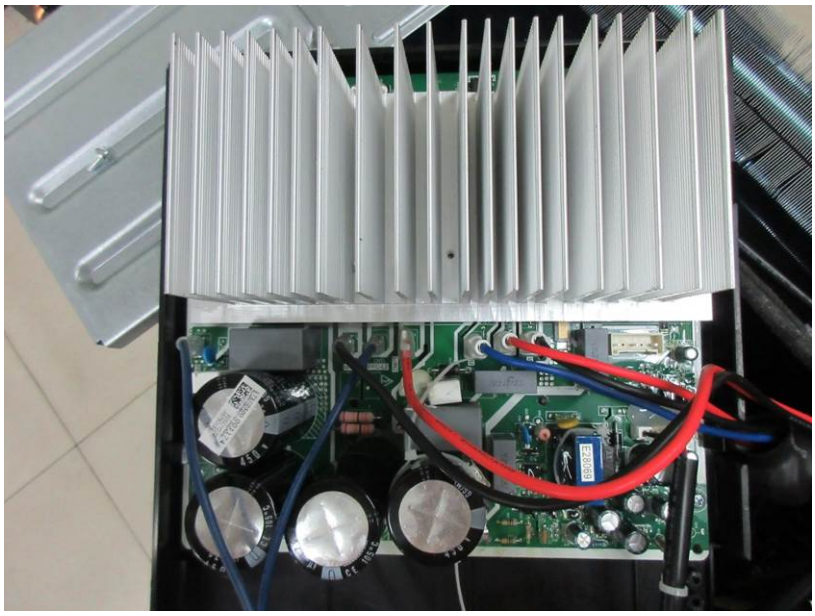
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB 2 lay-out of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

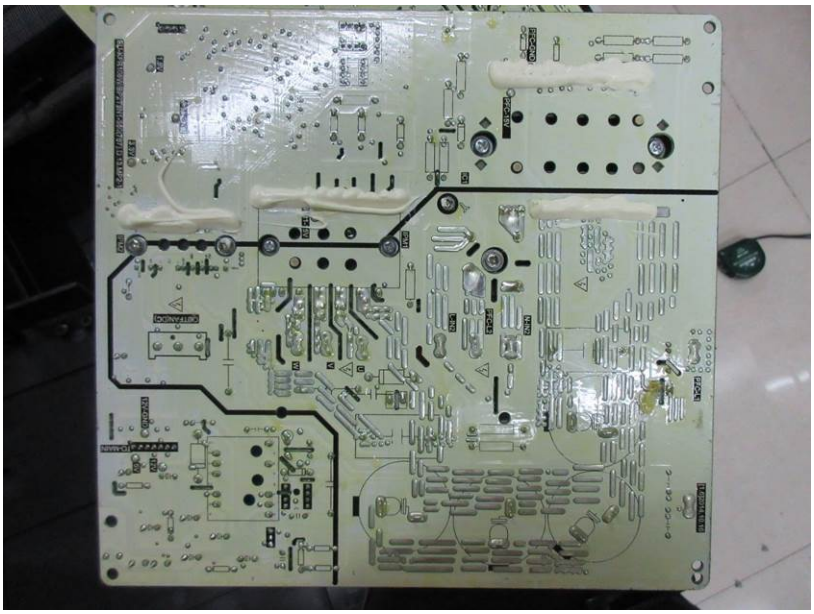
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Compressor of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Terminal block and earthed terminal of outdoor unit M5OE-42HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit M2OE-14HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of outdoor unit M2OE-14HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of outdoor unit M2OE-14HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M2OE-14HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Internal view of outdoor unit M2OE-14HFN1-Q

View:

☒ general

☐ front

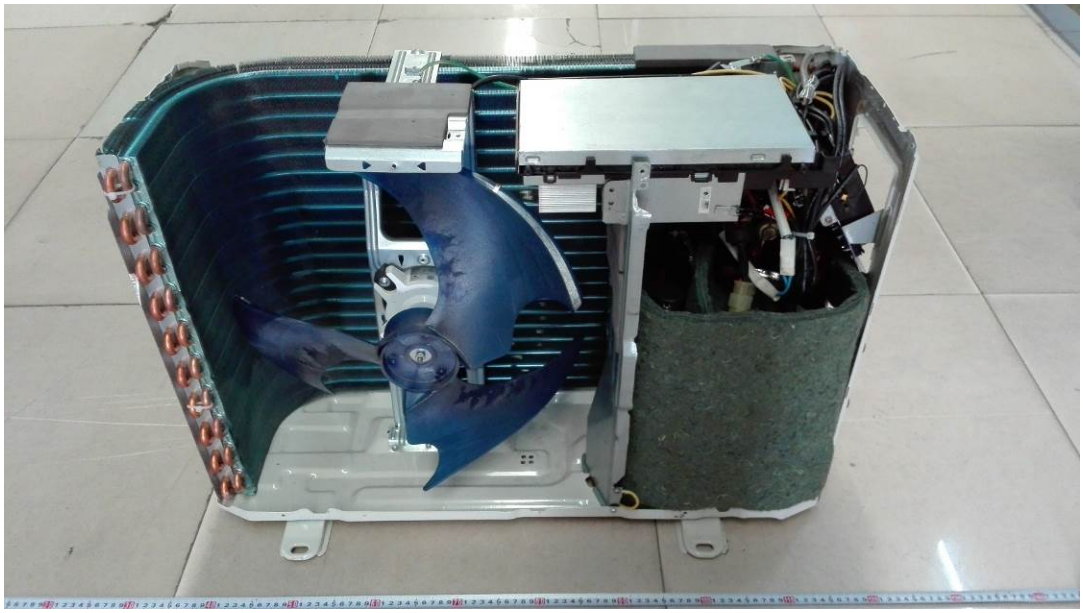
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Internal view of outdoor unit M2OE-14HFN1-Q

View:

☒ general

☐ front

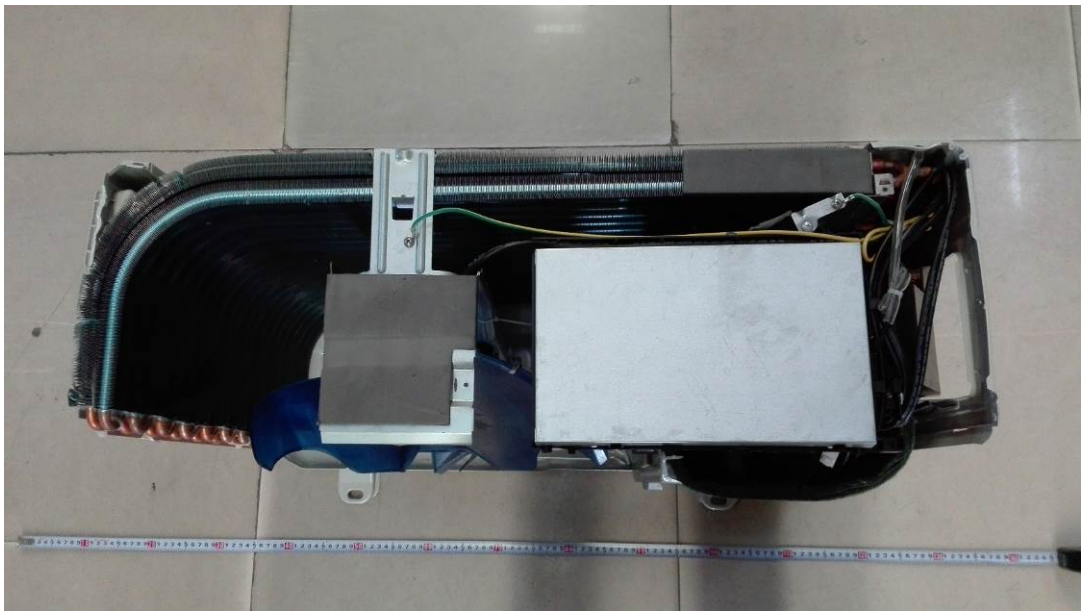
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Main PCB 1 of outdoor unit M2OE-14HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Main PCB 1 lay-out of outdoor unit M2OE-14HFN1-Q

View:

☒ general

☐ front

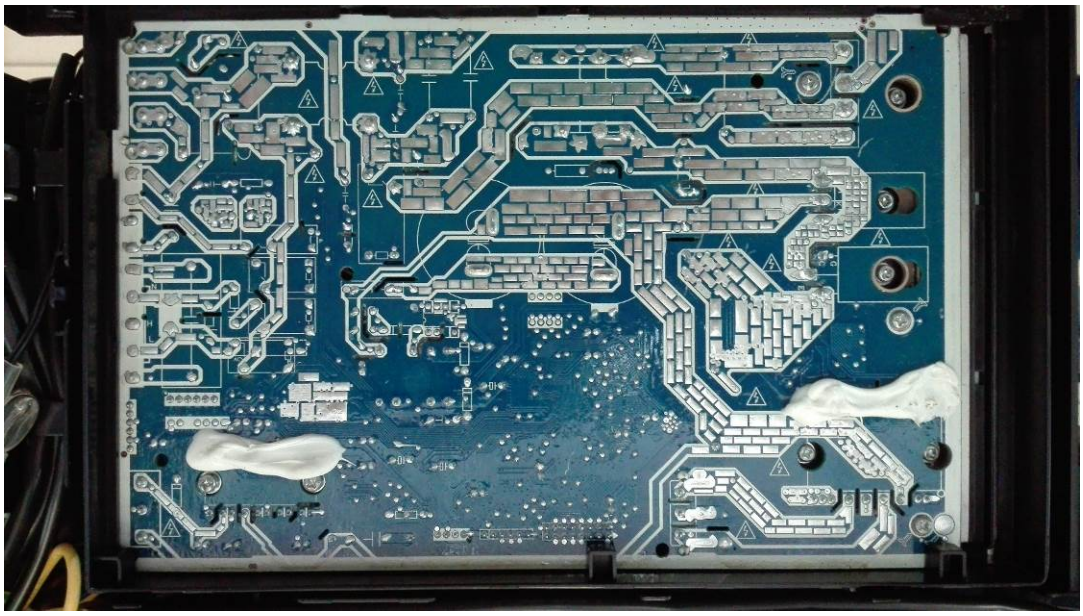
☐ rear

☐ right

☐ left

☐ top

☐ bottom

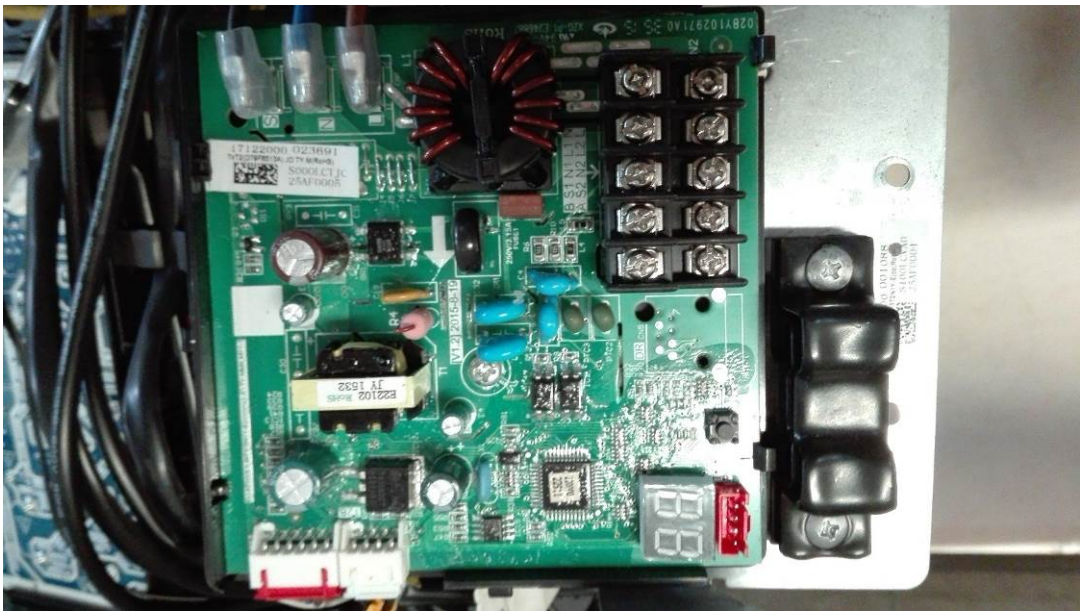


Attachment 4

Details of: Main PCB 2 of outdoor unit M2OE-14HFN1-Q

View:

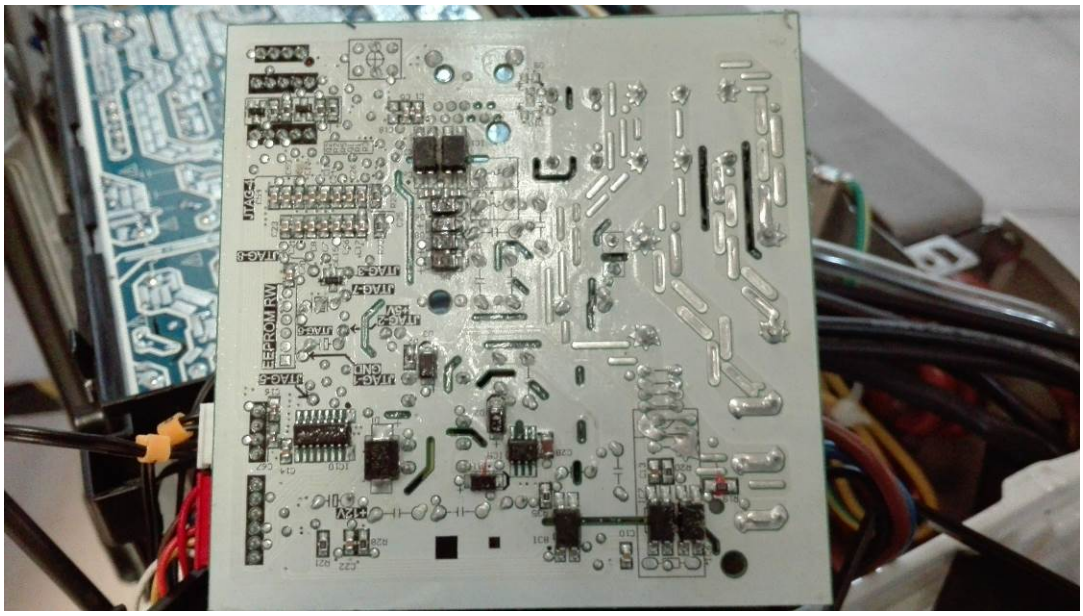
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Main PCB 2 lay-out of outdoor unit M2OE-14HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Compressor of outdoor unit M2OE-14HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Fan motor of outdoor unit M2OE-14HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of outdoor unit M3OE-21HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of outdoor unit M3OE-21HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of outdoor unit M3OE-21HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit M3OE-21HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Internal view of outdoor unit M3OE-21HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of outdoor unit M3OE-21HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB 1 of outdoor unit M3OE-21HFN1-Q

View:

☒ general

☐ front

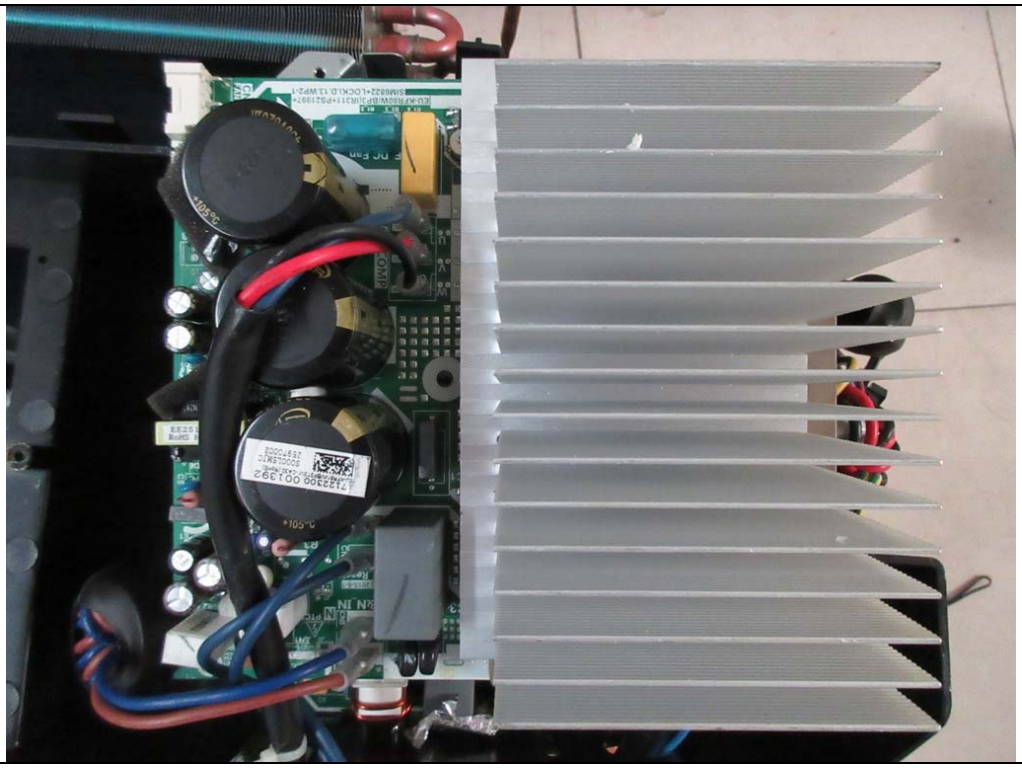
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB 1 lay-out of outdoor unit M3OE-21HFN1-Q

View:

☒ general

☐ front

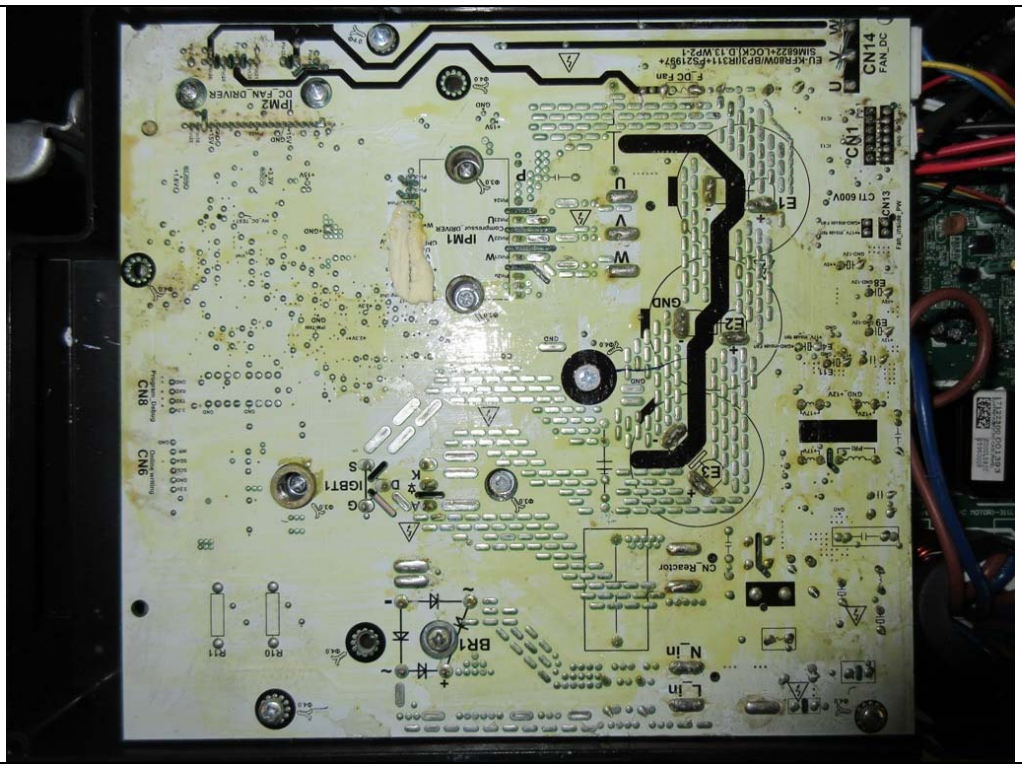
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Main PCB 2 of outdoor unit M3OE-21HFN1-Q

View:

☒ general

☐ front

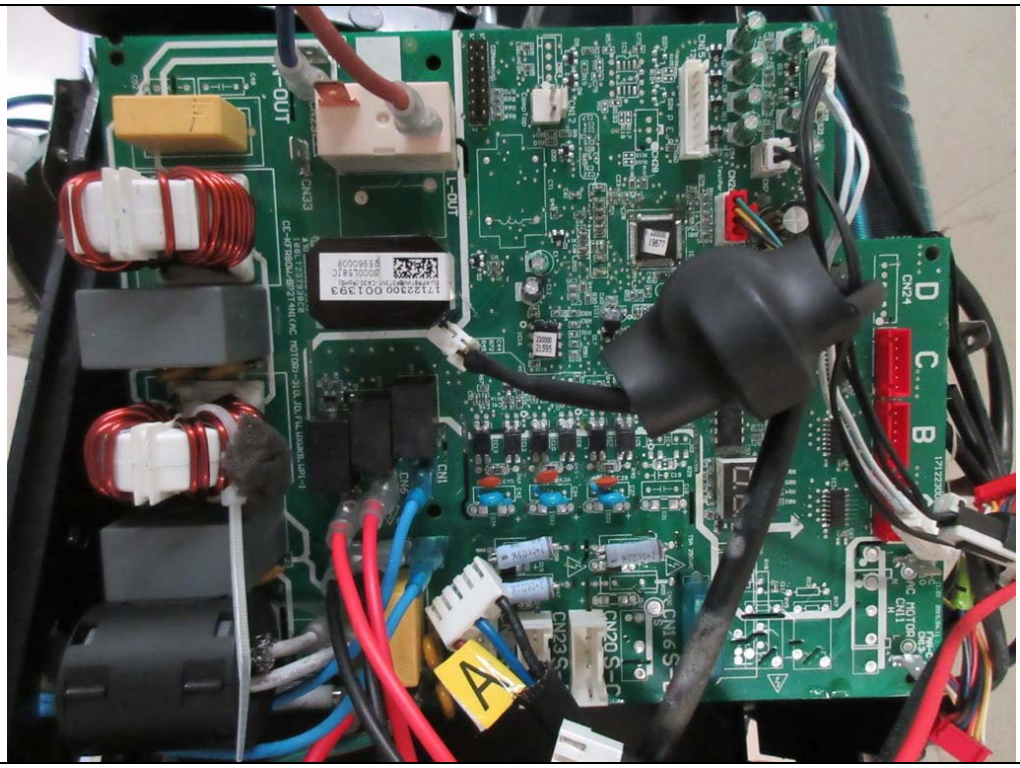
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB 2 lay-out of outdoor unit M3OE-21HFN1-Q

View:

☒ general

☐ front

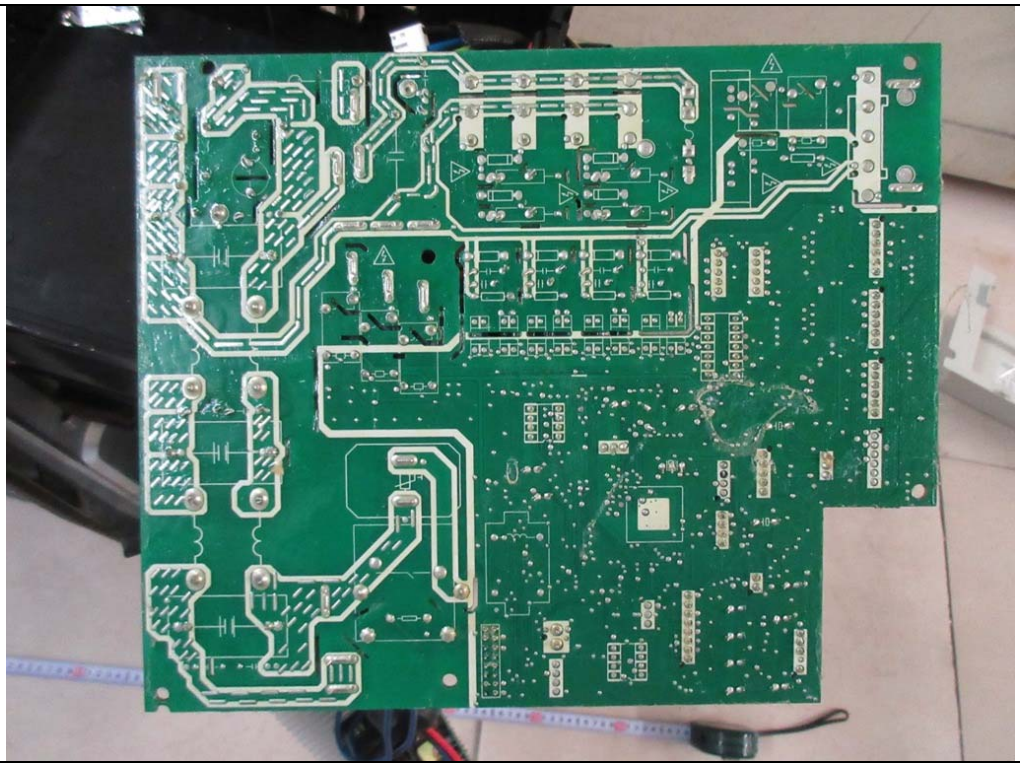
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Compressor of outdoor unit M3OE-21HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Terminal block and earthed terminal of outdoor unit M3OE-21HFN1-Q

View:

☒ general

☐ front

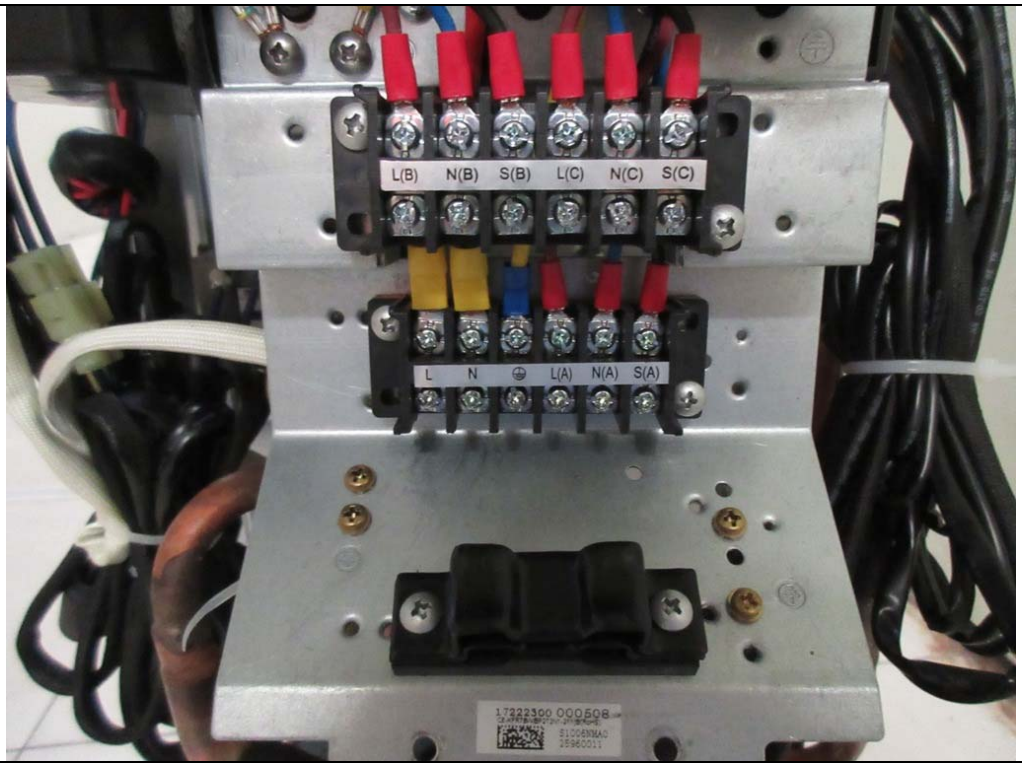
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Fan motor of outdoor unit M3OE-21HFN1-Q

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

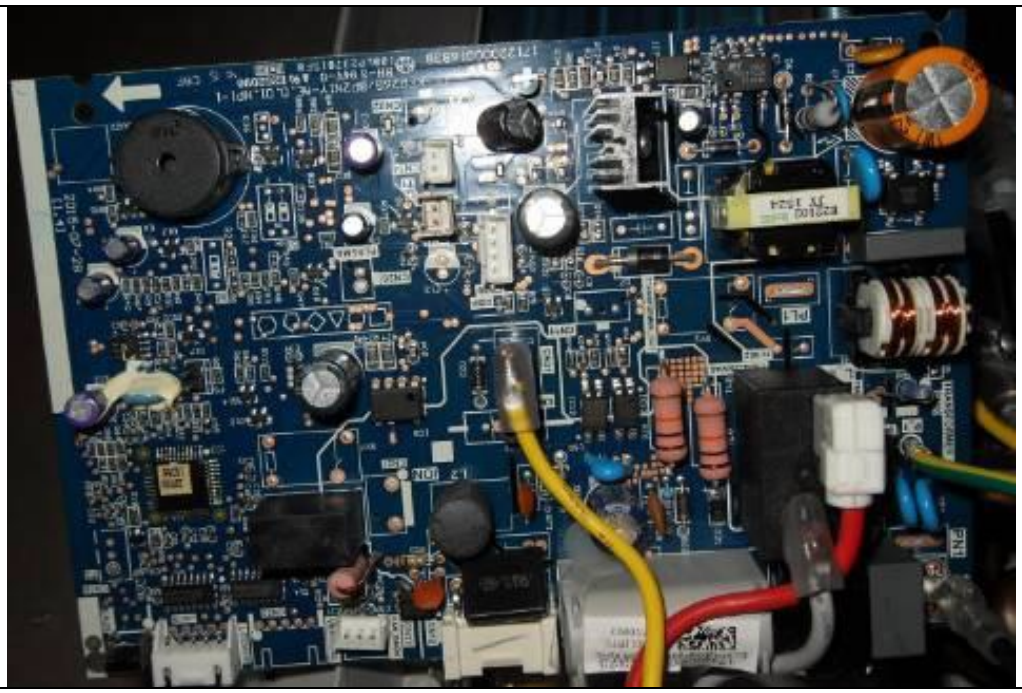
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

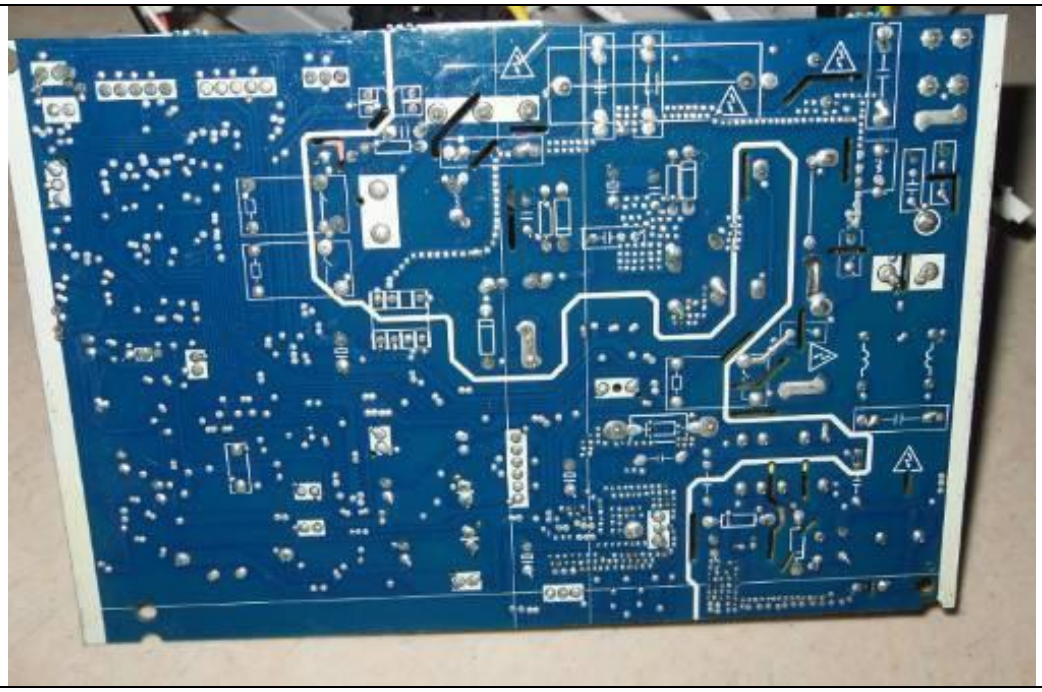
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Main PCB lay-out of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Display PCB of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

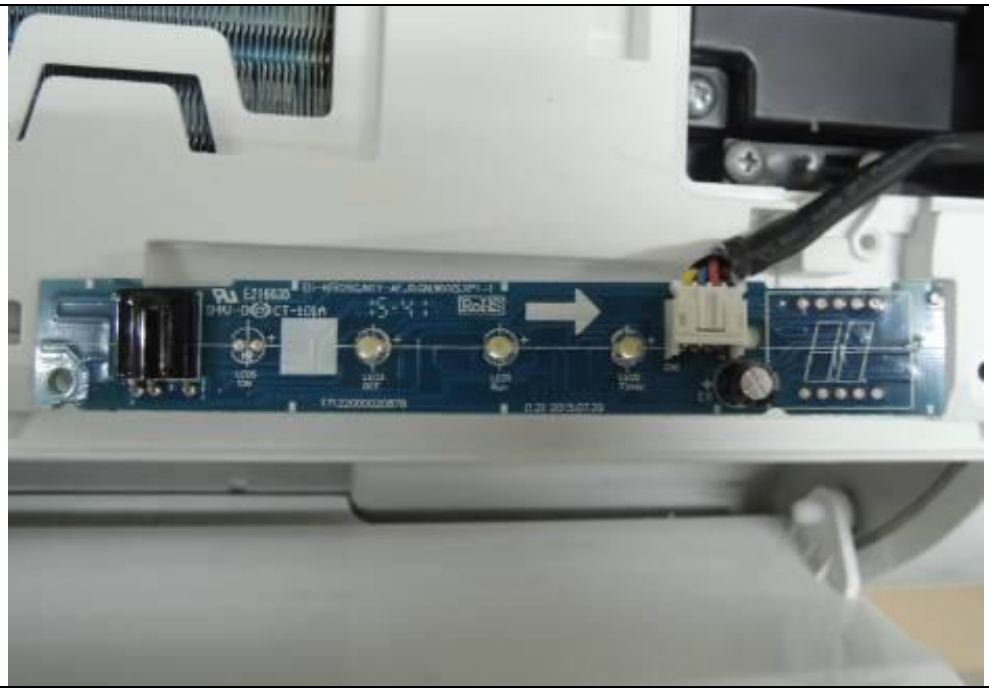
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB lay-out of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

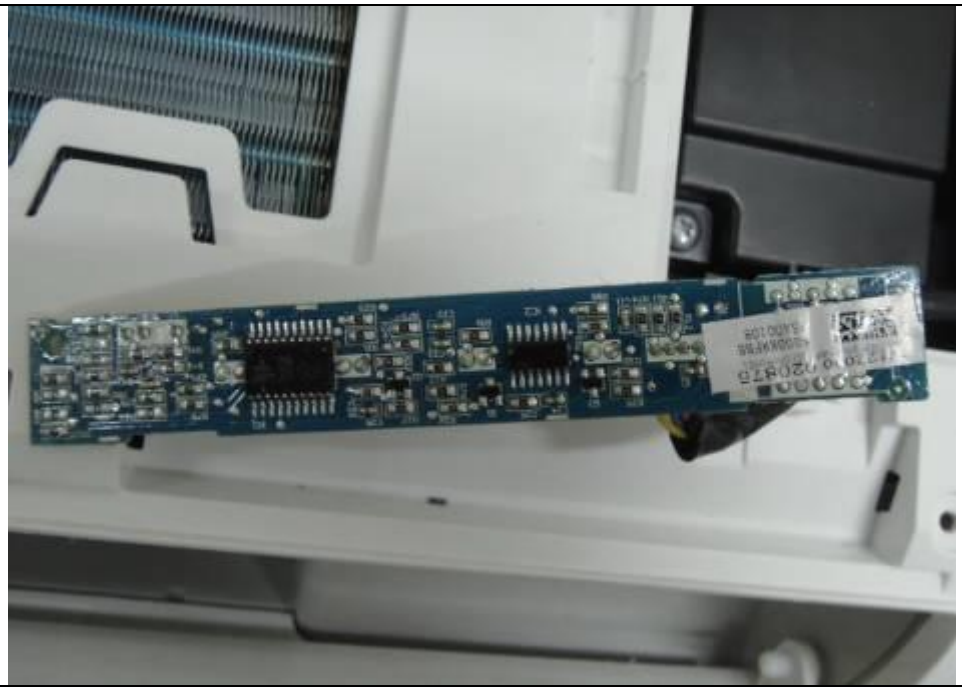
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Fan motor of indoor unit MSAFAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

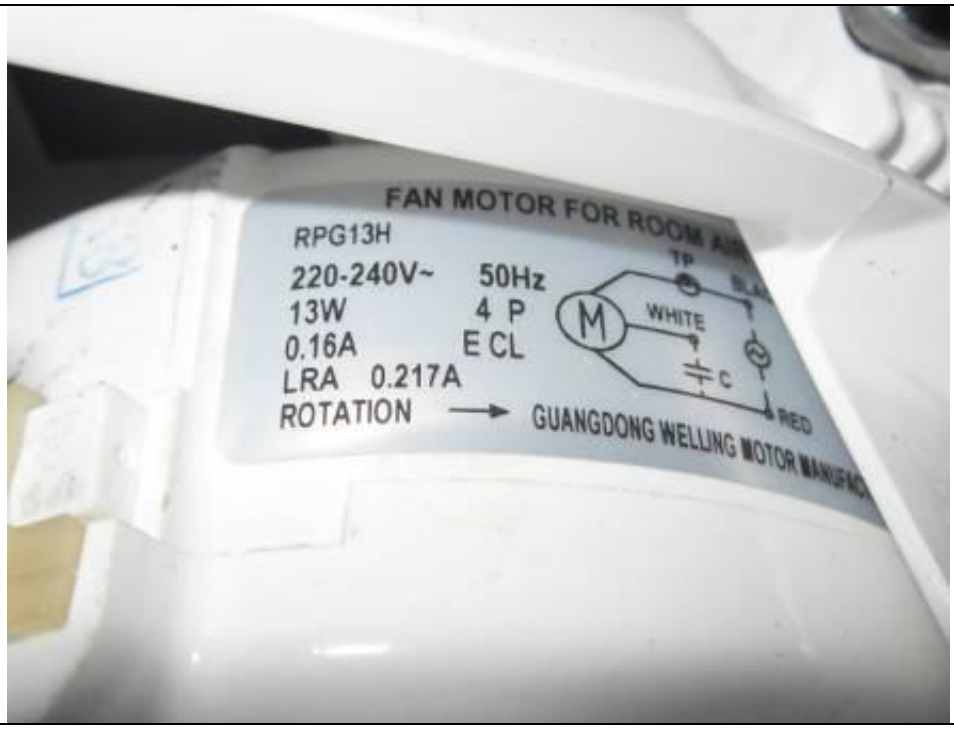
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: General view of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB of indoor unit MSAFBU-12HRDN1-QRD0GW

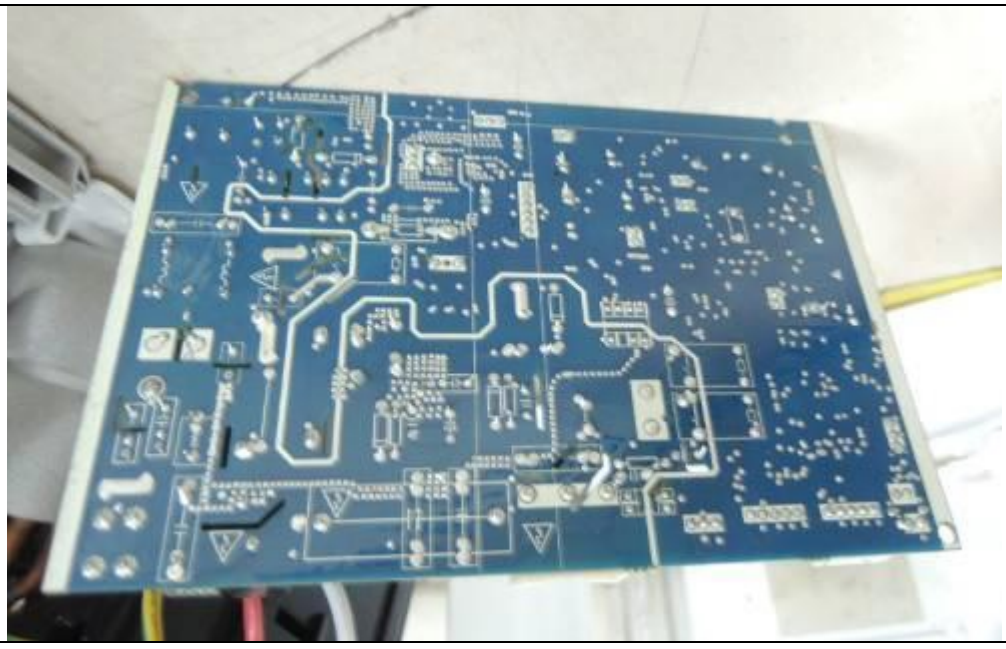
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Main PCB lay-out of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Display PCB of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

☒ general

☐ front

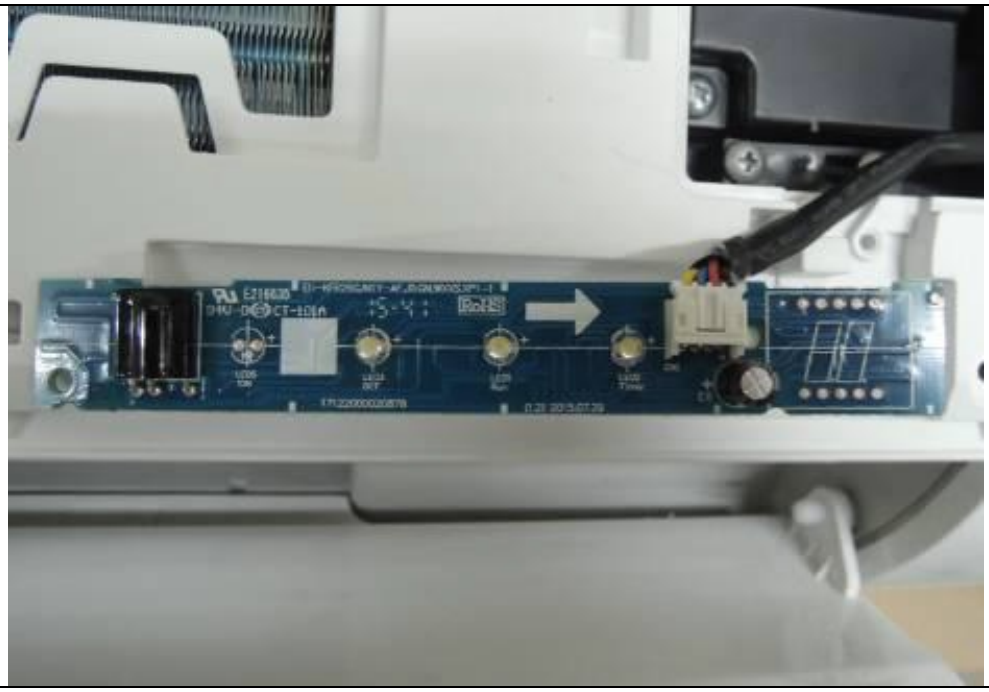
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB lay-out of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

☒ general

☐ front

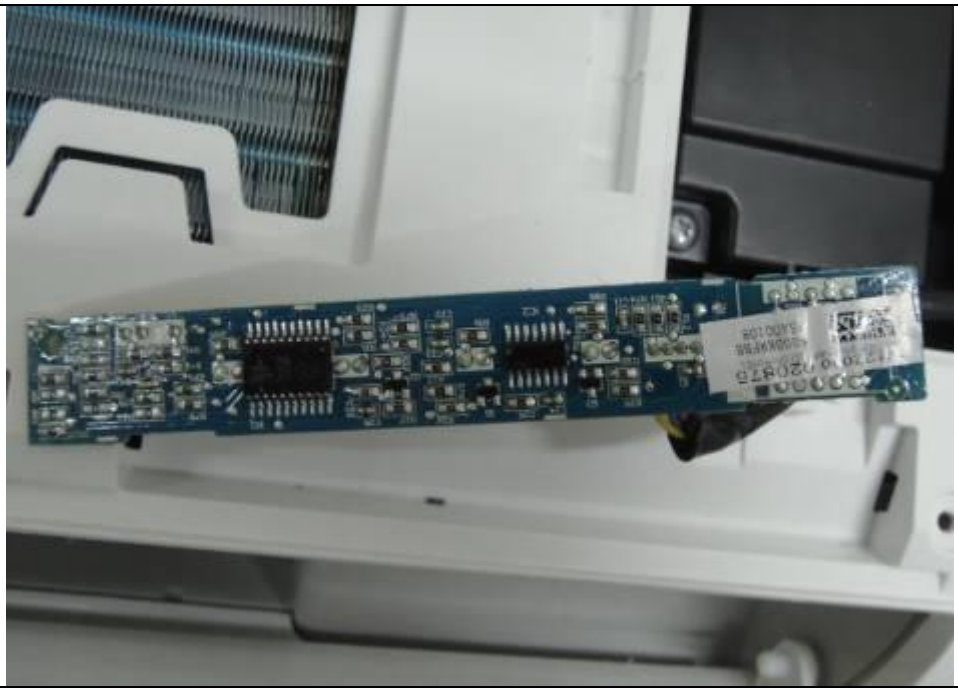
☐ rear

☐ right

☐ left

☐ top

☐ bottom

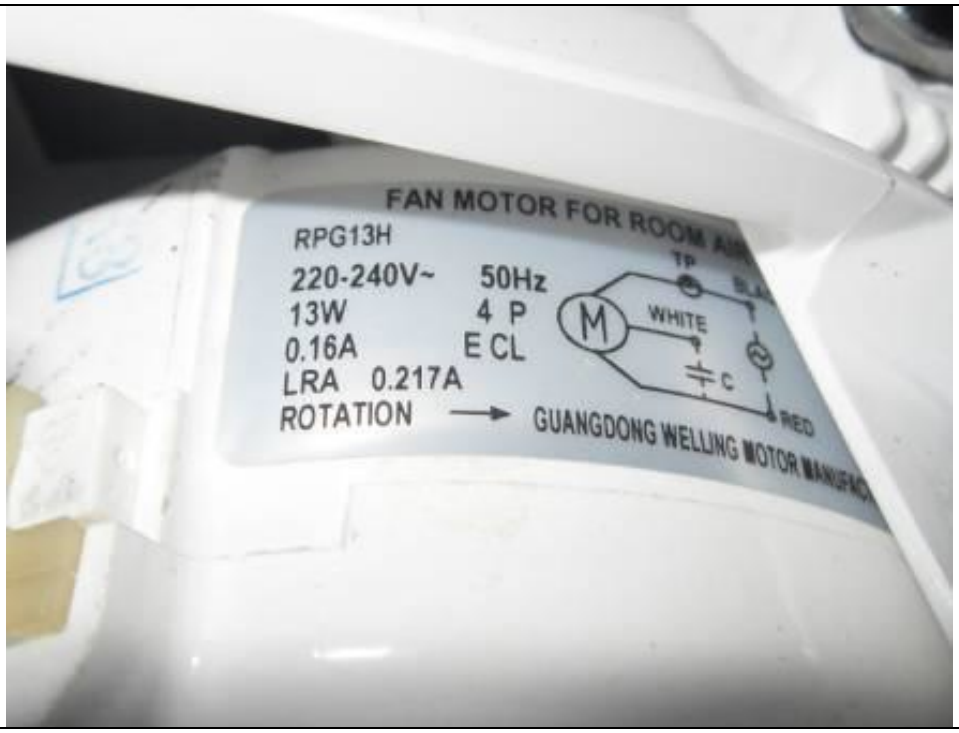


Attachment 4

Details of: Fan motor of indoor unit MSAFBU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

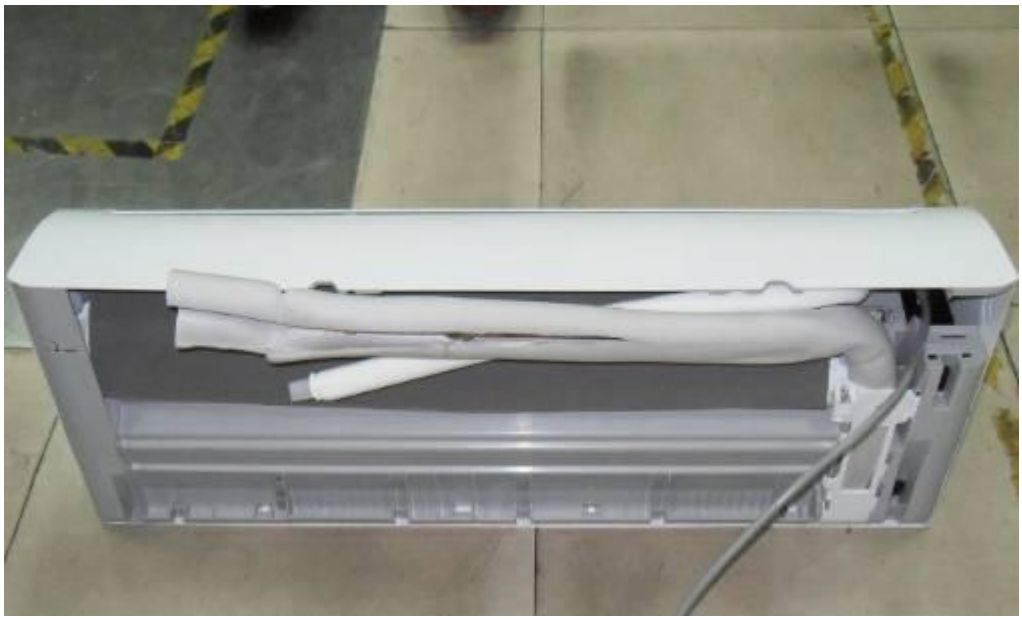
☐ bottom

Attachment 4

Details of: General view of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

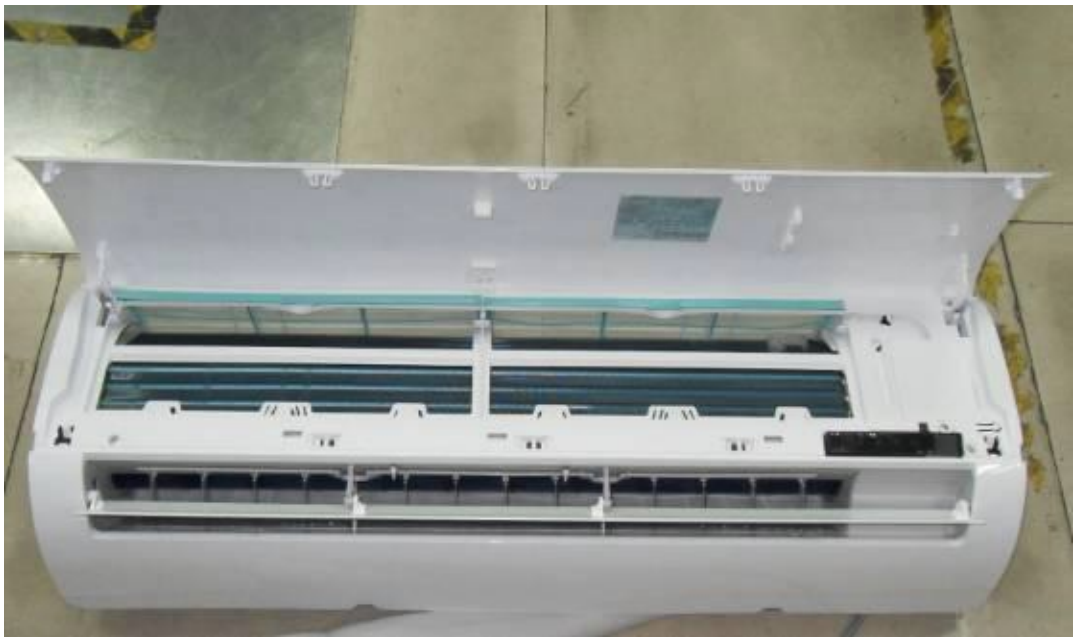
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Internal view of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Internal view of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Main PCB lay-out of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

☒ general

☐ front

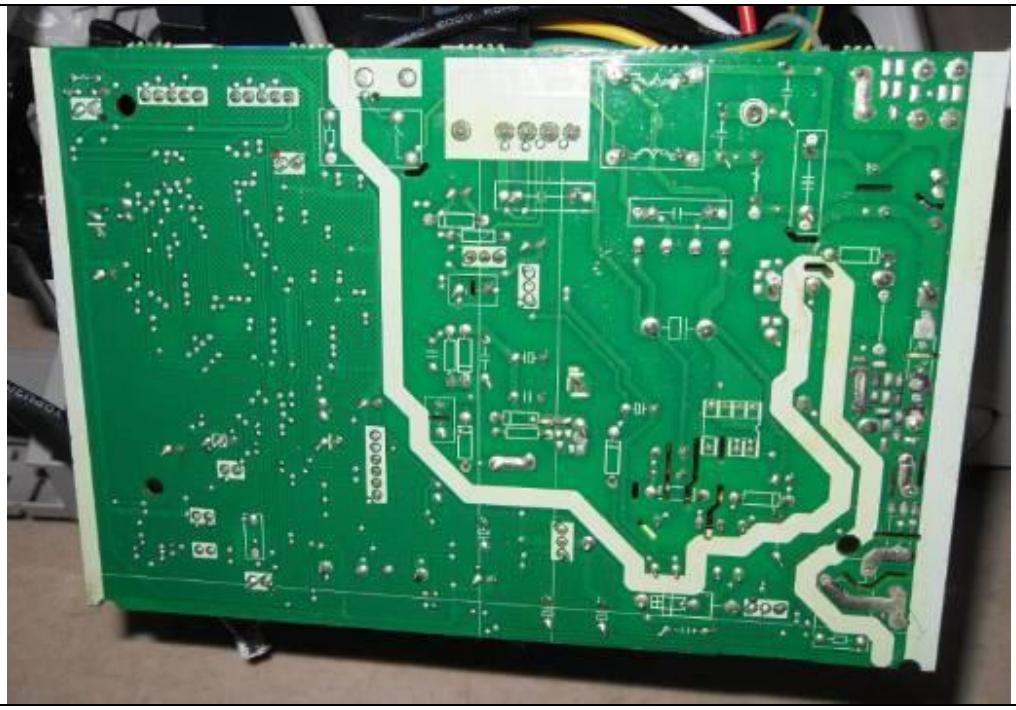
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Display PCB of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

☒ general

☐ front

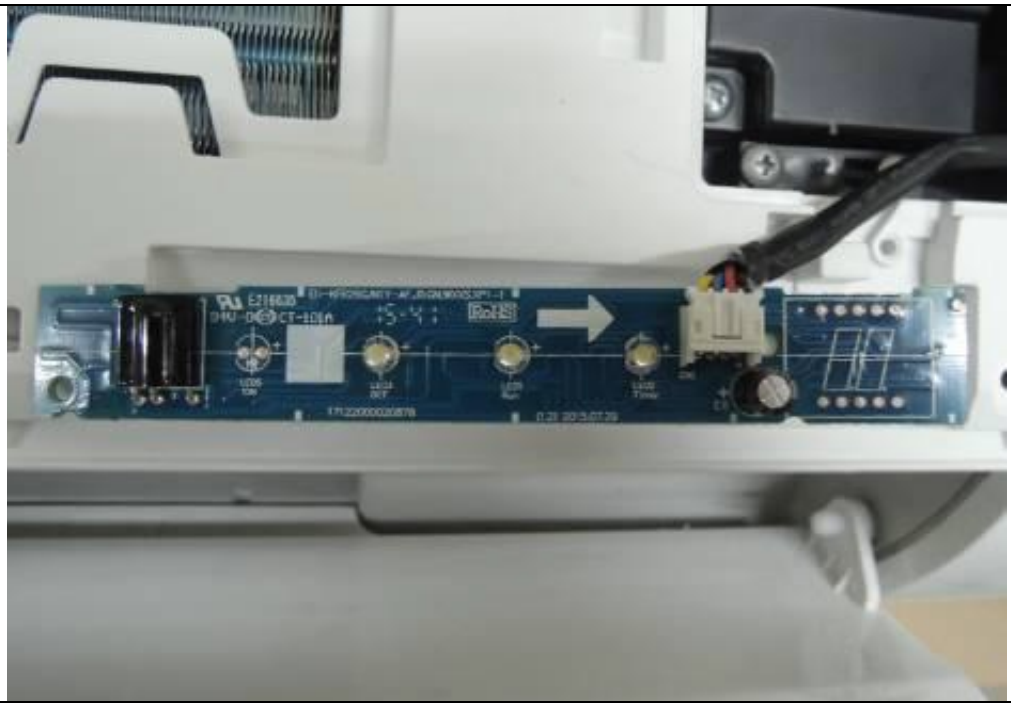
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB lay-out of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

☒ general

☐ front

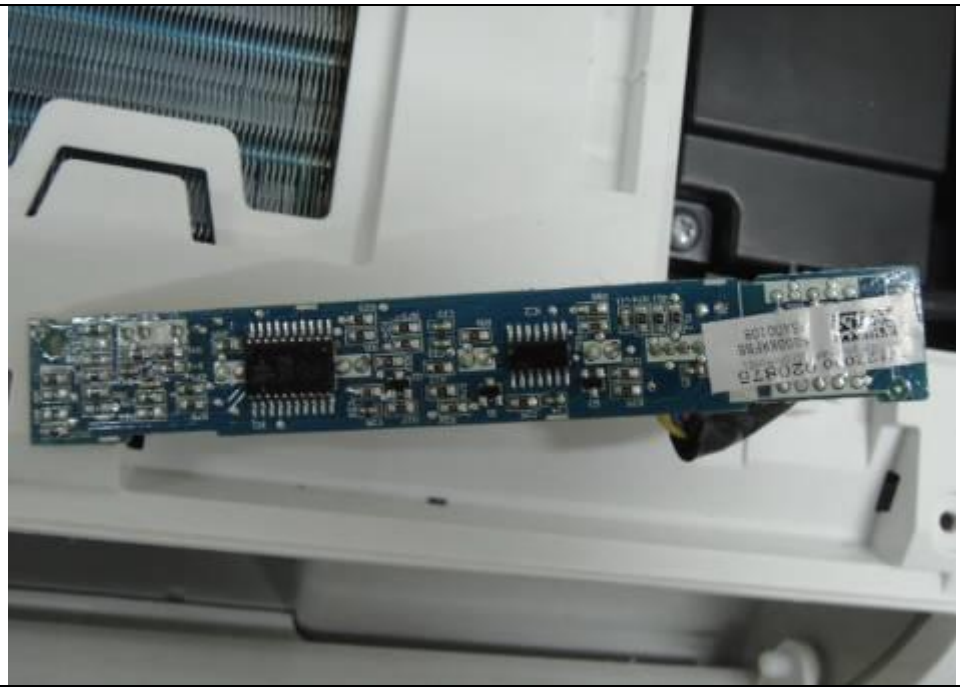
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Fan motor of indoor unit MSAFCU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Main PCB lay-out of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

☒ general

☐ front

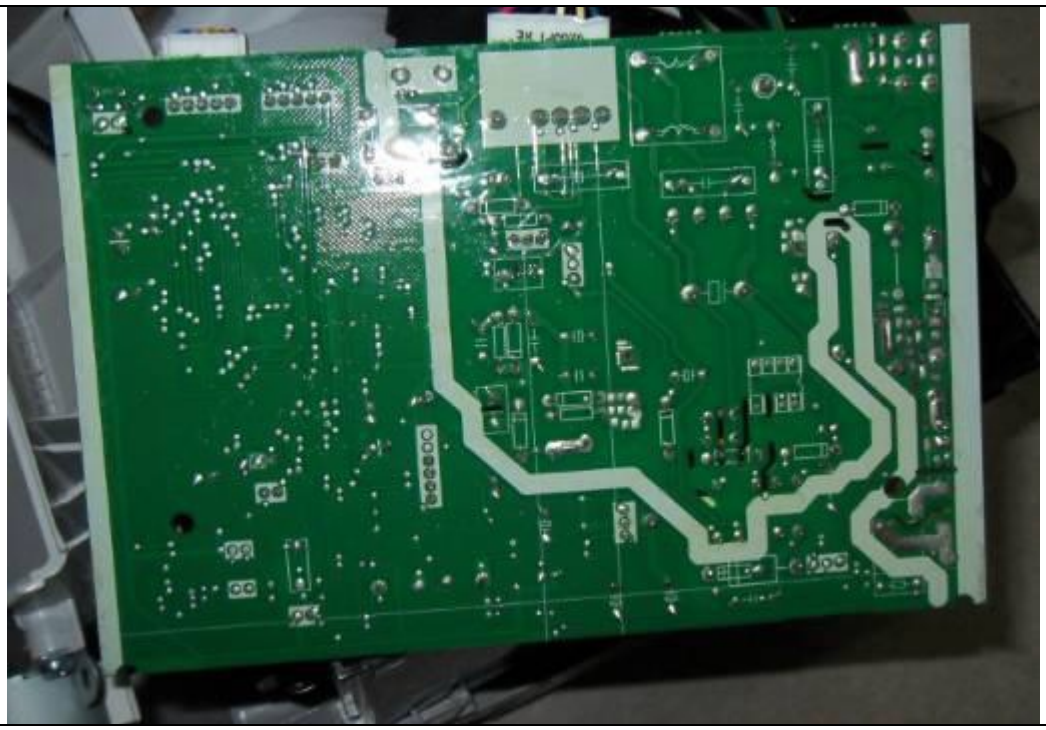
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 4

Details of: Display PCB of indoor unit MSAFDU-24HRFN1-QRD0GW

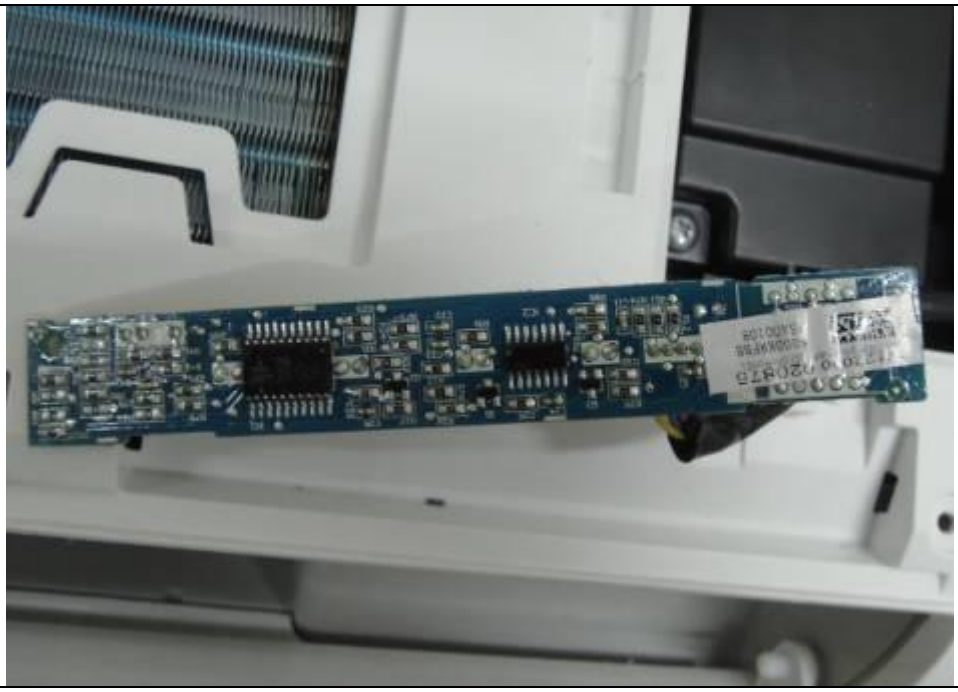
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Display PCB lay-out of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Fan motor of indoor unit MSAFDU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Internal view of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Main PCB of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

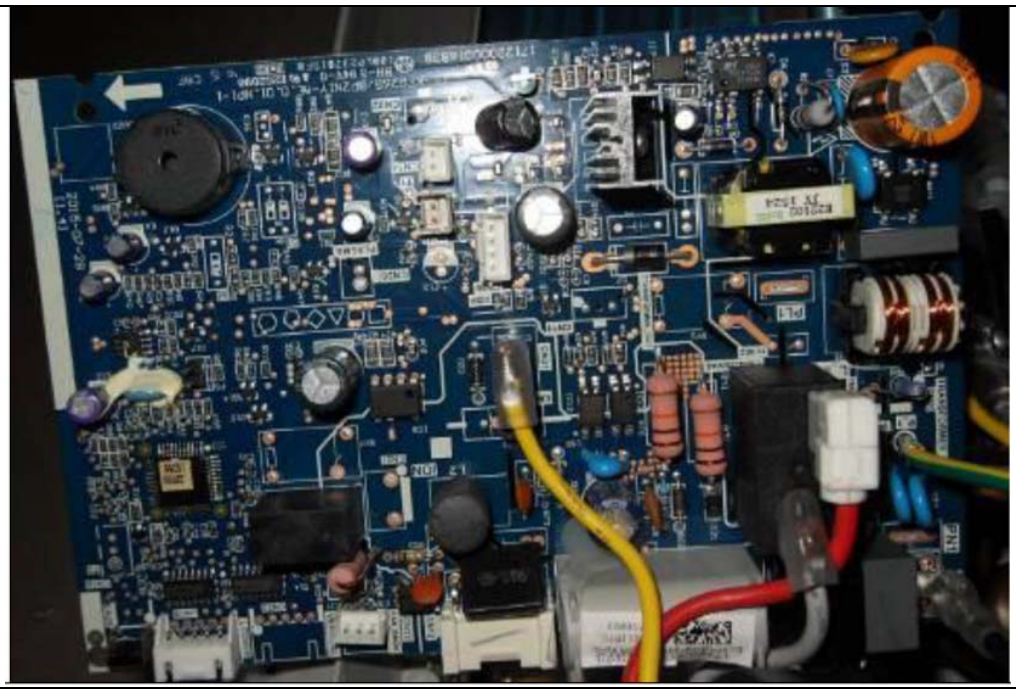
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Main PCB lay-out of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

☒ general

☐ front

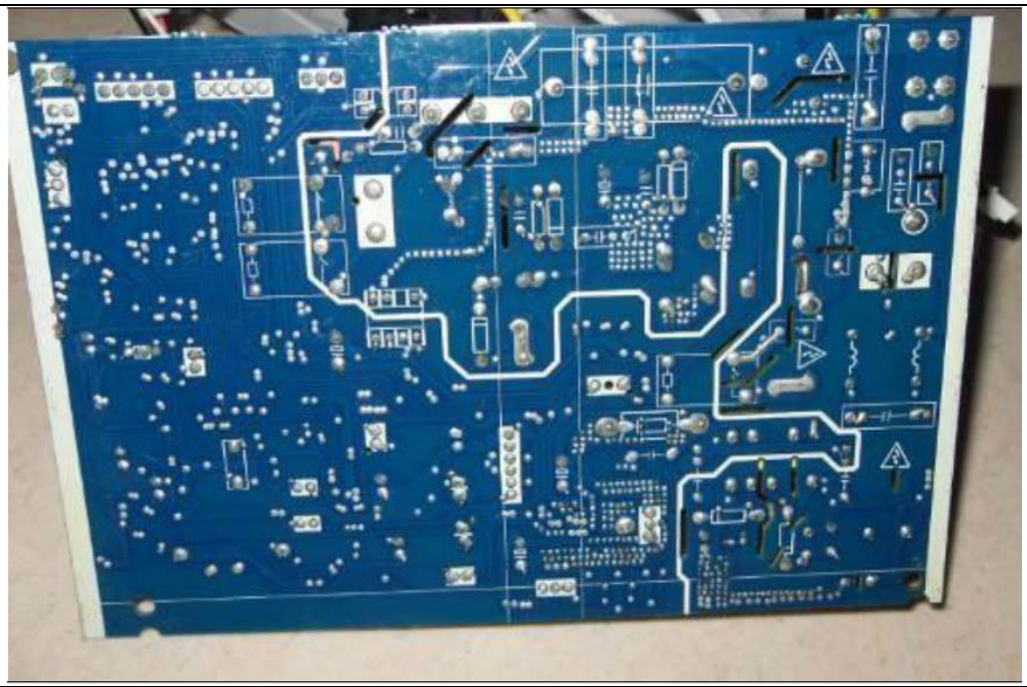
☐ rear

☐ right

☐ left

☐ top

☐ bottom

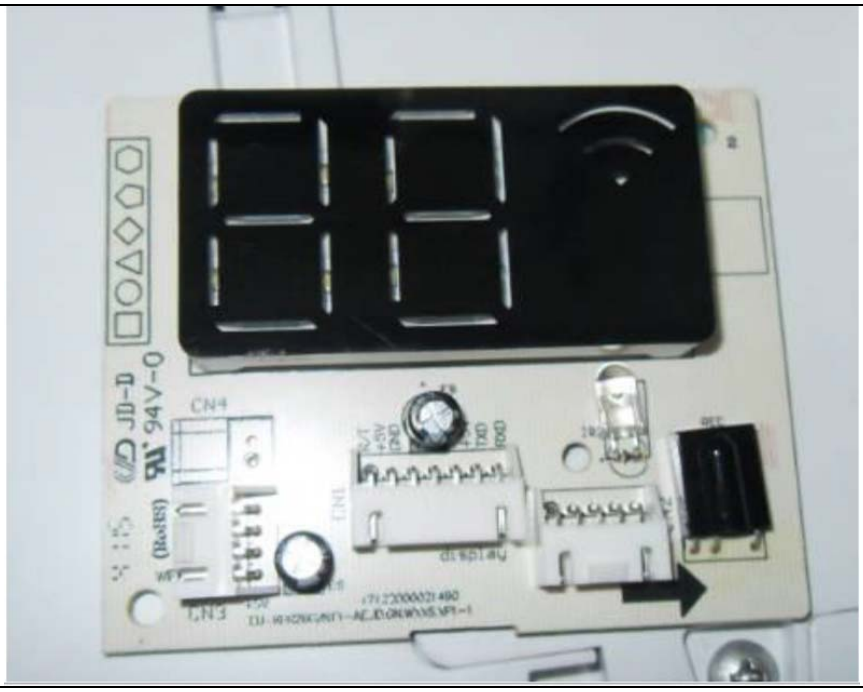


Attachment 4

Details of: Display PCB of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB lay-out of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

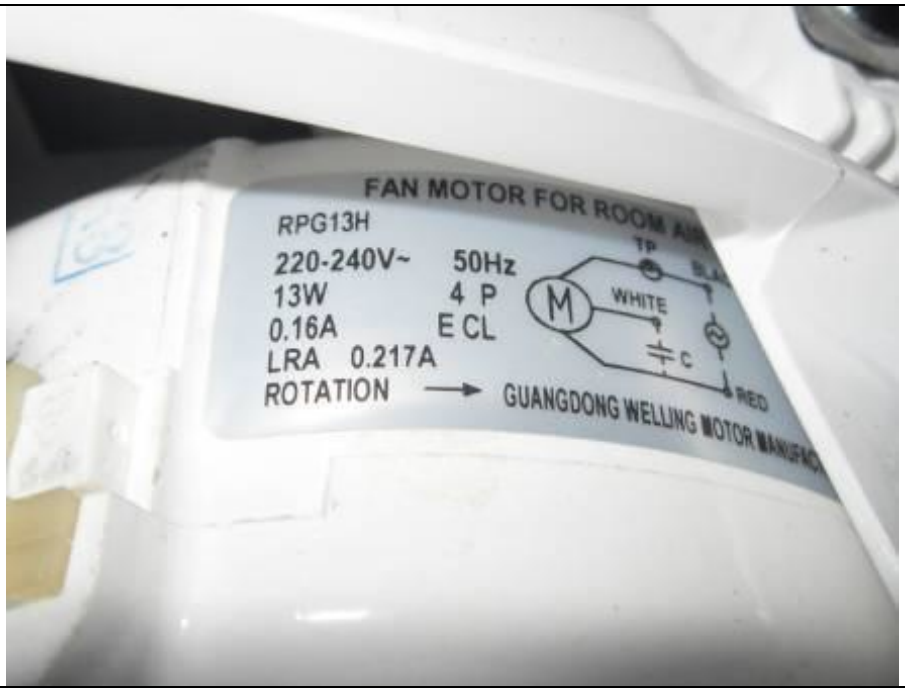
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Fan motor of indoor unit MSMAAU-09HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit MSMABU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSMABU-12HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of General view of indoor unit MSMABU-12HRDN1-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of indoor unit MSMABU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSMABU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSMABU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSMABU-12HRDN1-QRD0GW

View:

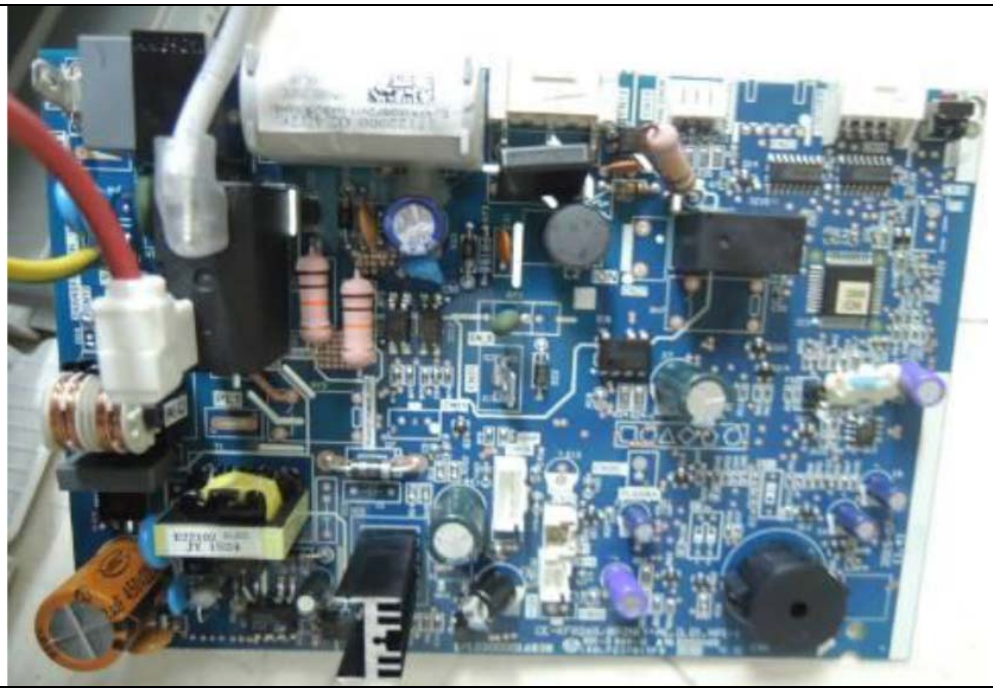
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB of indoor unit MSMABU-12HRDN1-QRD0GW

View:

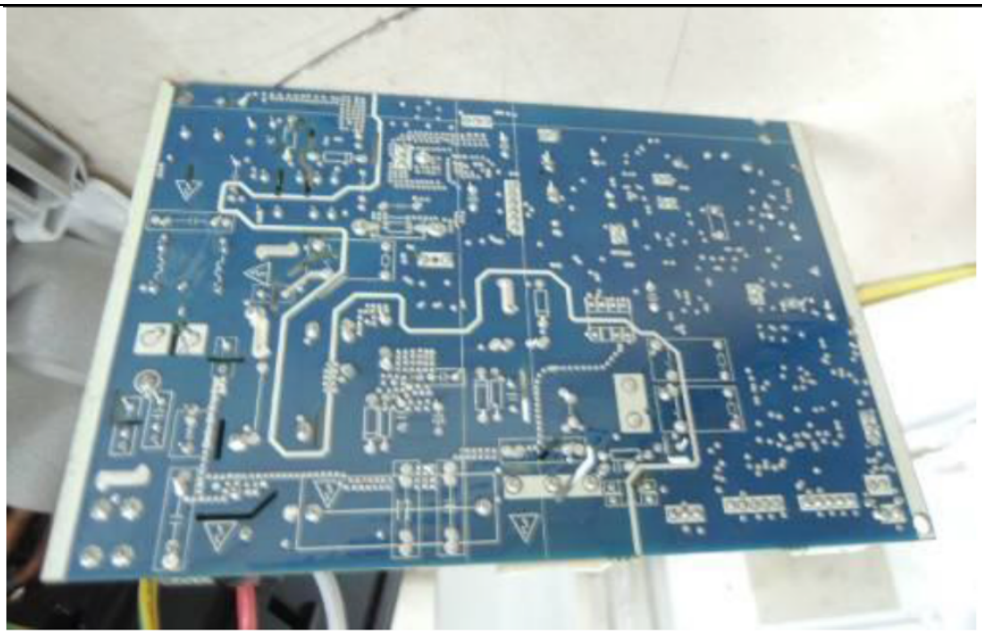
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Main PCB lay-out of indoor unit MSMABU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: Display PCB of indoor unit MSMABU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Display PCB lay-out of indoor unit MSMABU-12HRDN1-QRD0GW

View:

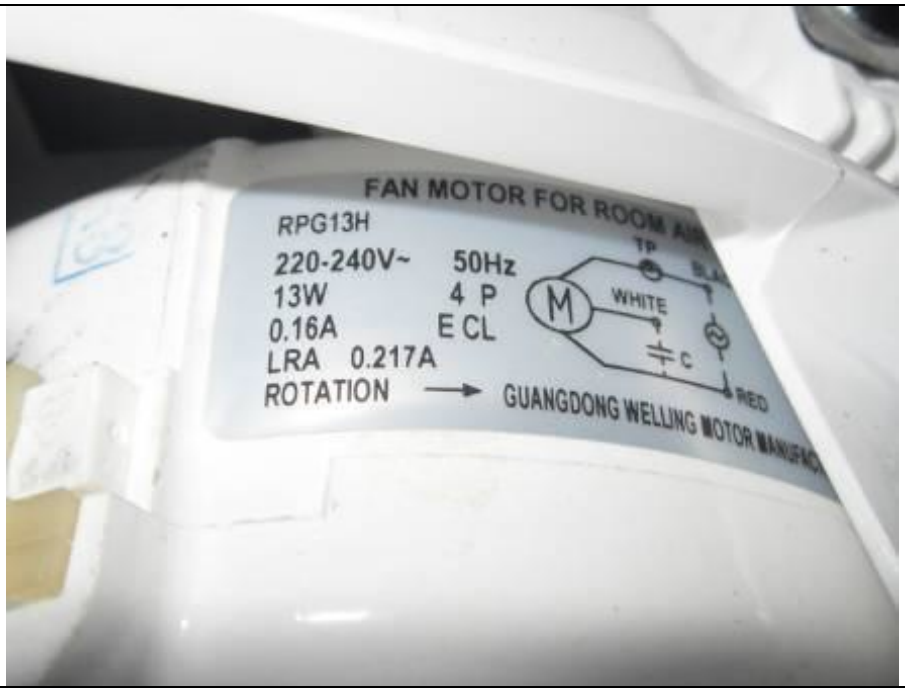
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Fan motor of indoor unit MSMABU-12HRDN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: General view of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB of indoor unit MSMACU-18HRFN1-QRD0GW

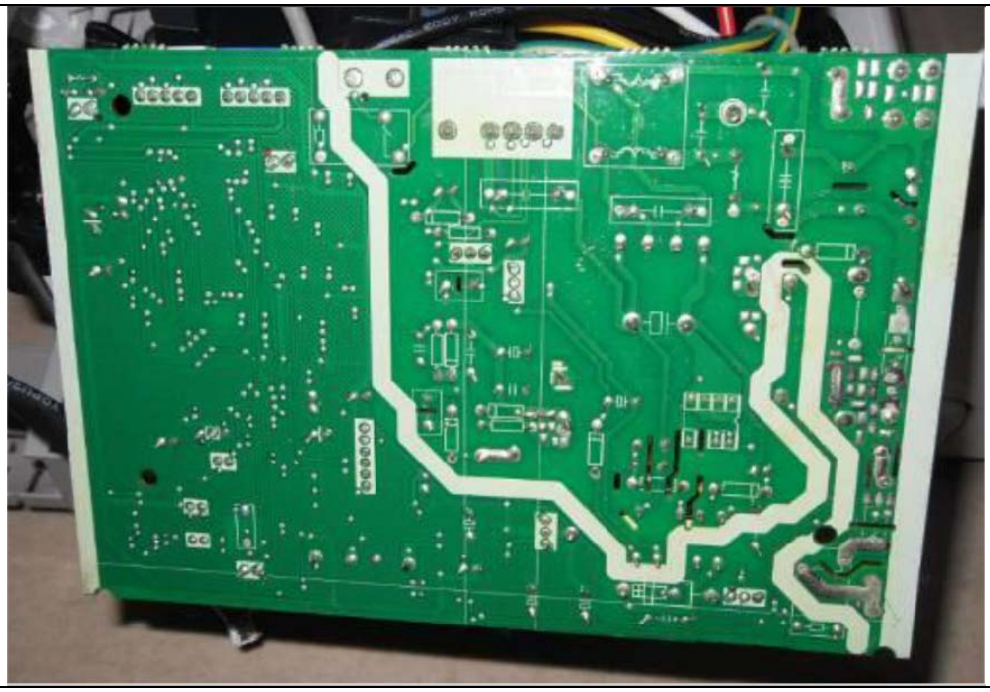
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Main PCB lay-out of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

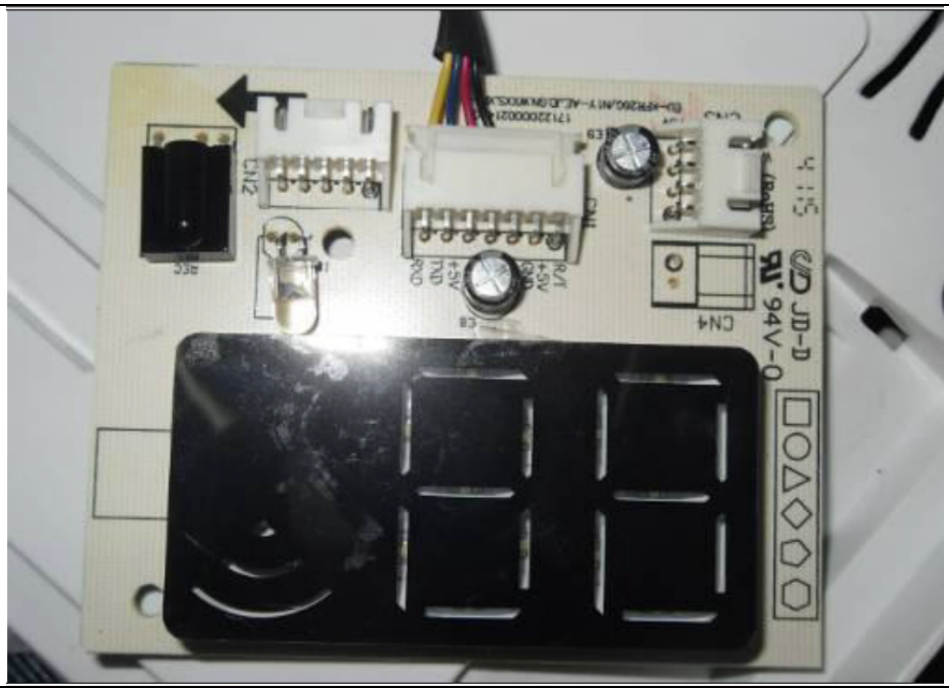


Attachment 4

Details of: Display PCB of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB lay-out of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Fan motor of indoor unit MSMACU-18HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSMADU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSMADU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: General view of indoor unit MSMADU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of indoor unit MSMADU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSMADU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Internal view of indoor unit MSMADU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Internal view of indoor unit MSMADU-24HRFN1-QRD0GW

View:

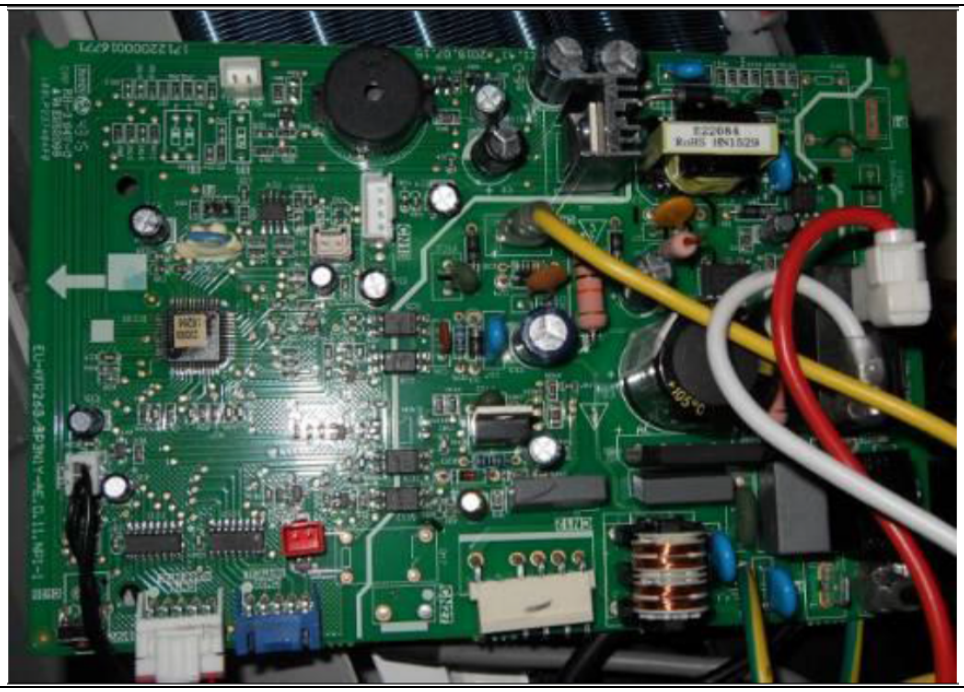
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: Main PCB of indoor unit MSMADU-24HRFN1-QRD0GW

View:

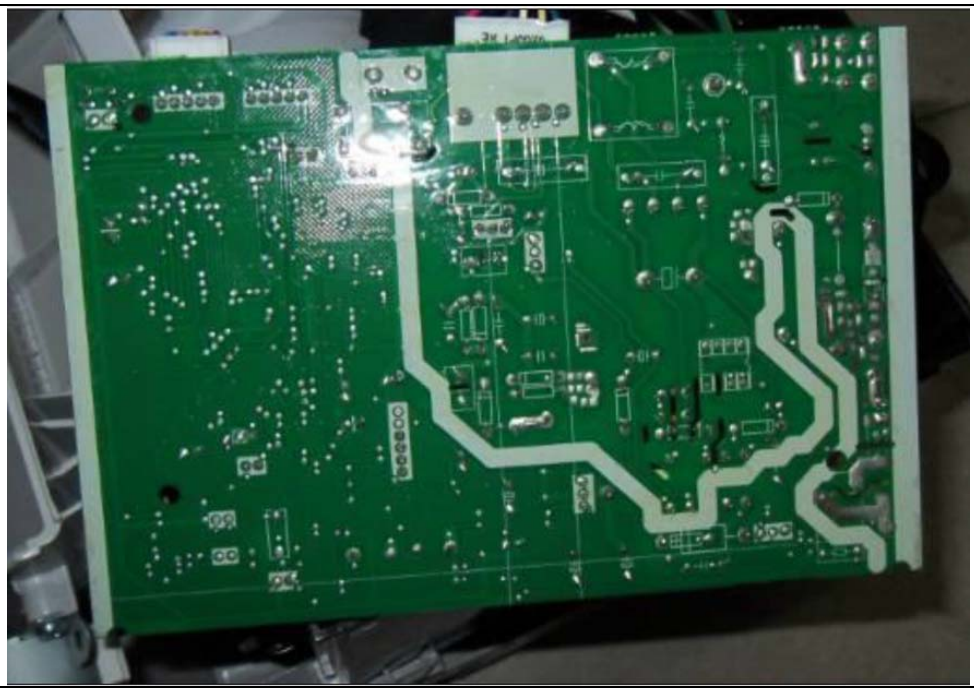
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Main PCB lay-out of indoor unit MSMADU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

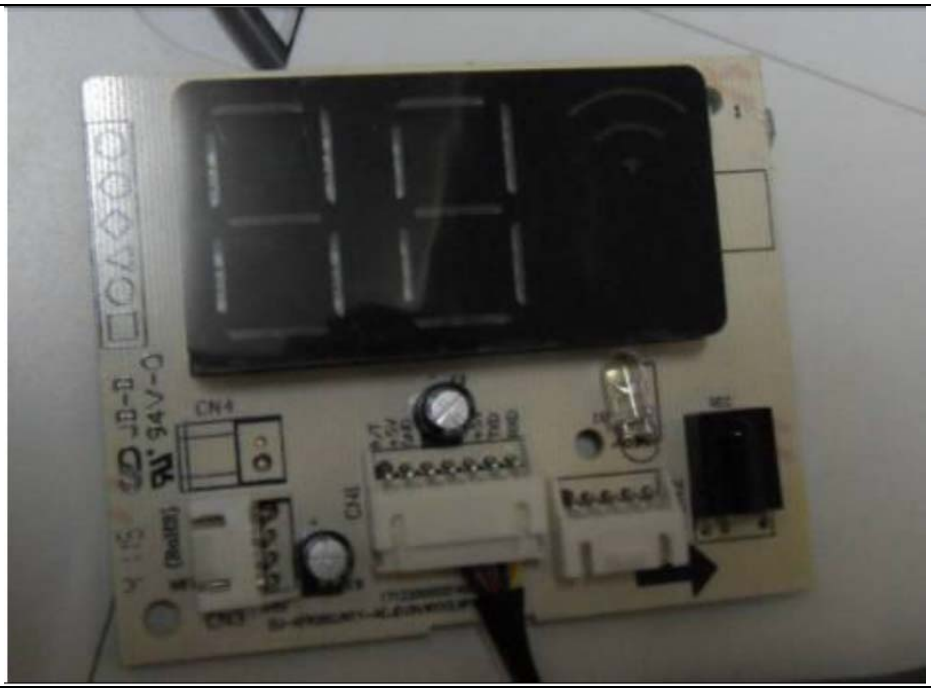


Attachment 4

Details of: Display PCB of indoor unit MSMADU-24HRFN1-QRD0GW

View:

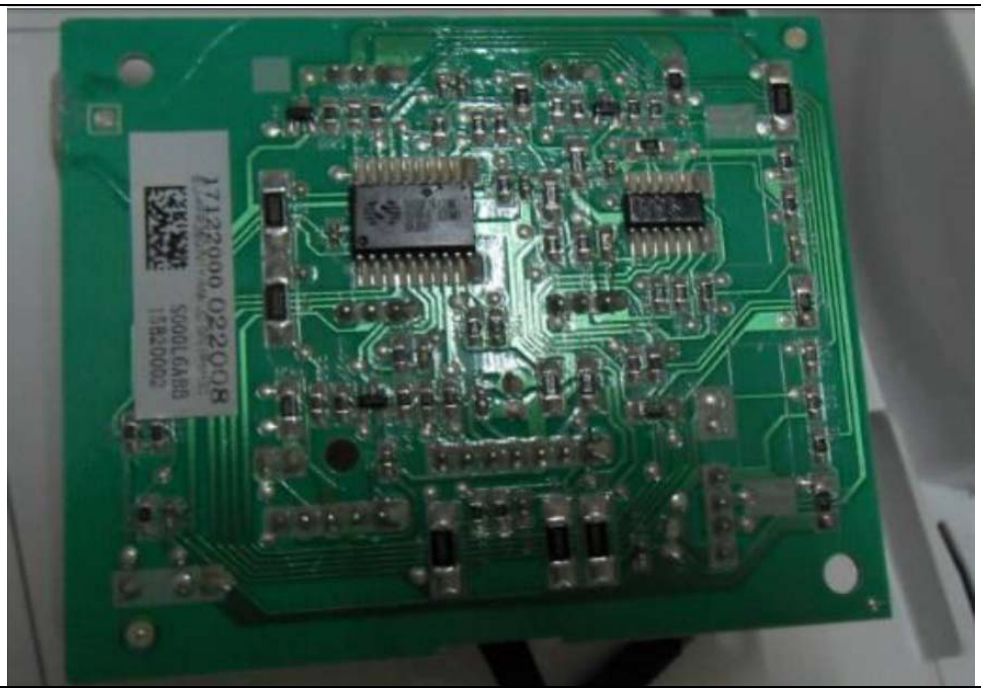
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Display PCB lay-out of indoor unit MSMADU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

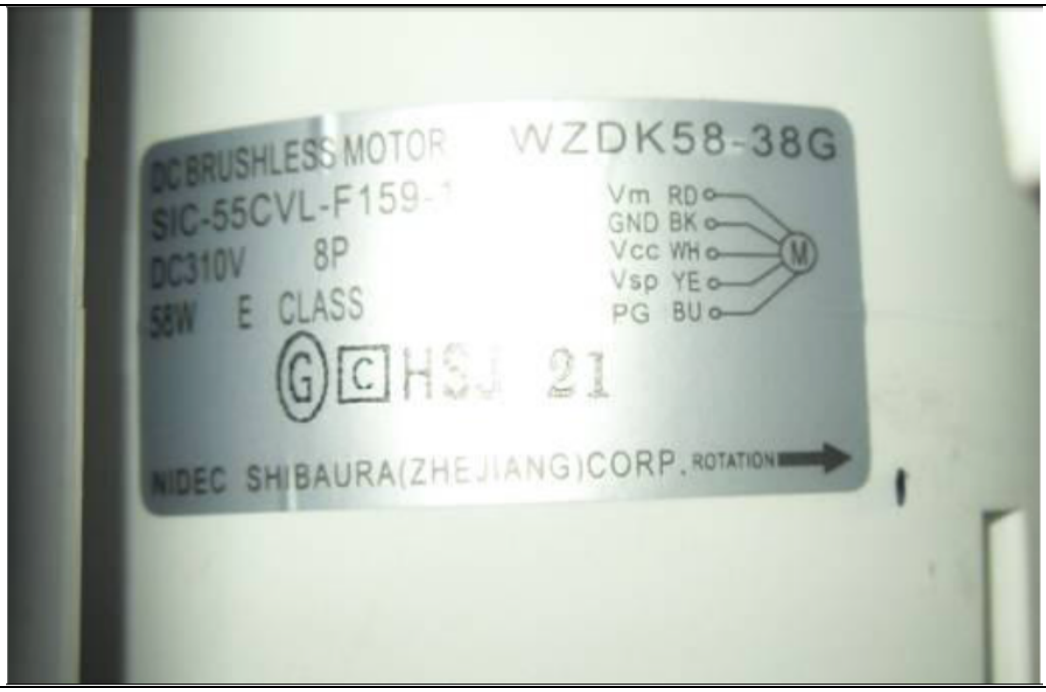


Attachment 4

Details of: Fan motor of indoor unit MSMADU-24HRFN1-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: The appearance of MS12FU-24HRFN1-QRD0GW

View:

- ☐ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: The alternative wifi and display panel construction of MSABAU-09HRFN1-QRD0GW(B), MSABBU-12HRFN1-QRD0GW(B)

View:

☒ general

☐ front

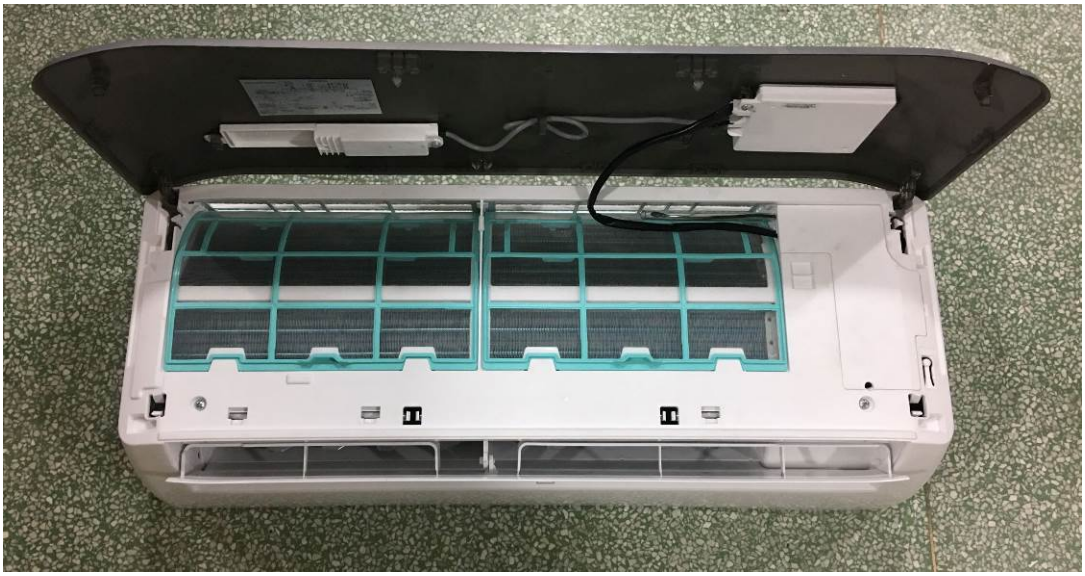
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: The display PCB for the alternative internal construction of MSABAU-09HRFN1-QRD0GW(B), MSABBU-12HRFN1-QRD0GW(B)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

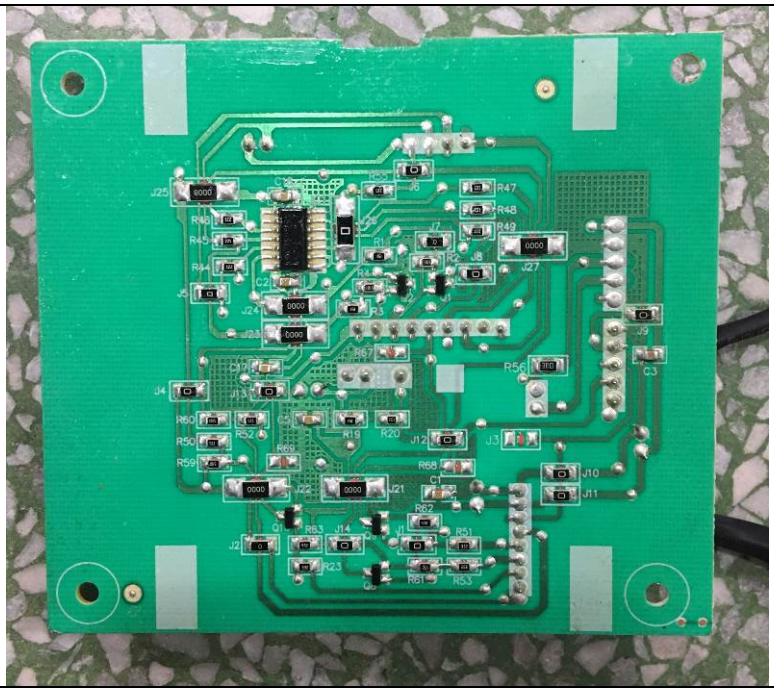
☐ bottom

Attachment 4

Details of: The display PCB lay-out for the alternative internal construction of MSABAU-09HRFN1-QRD0GW(B), MSABBU-12HRFN1-QRD0GW(B)

View:

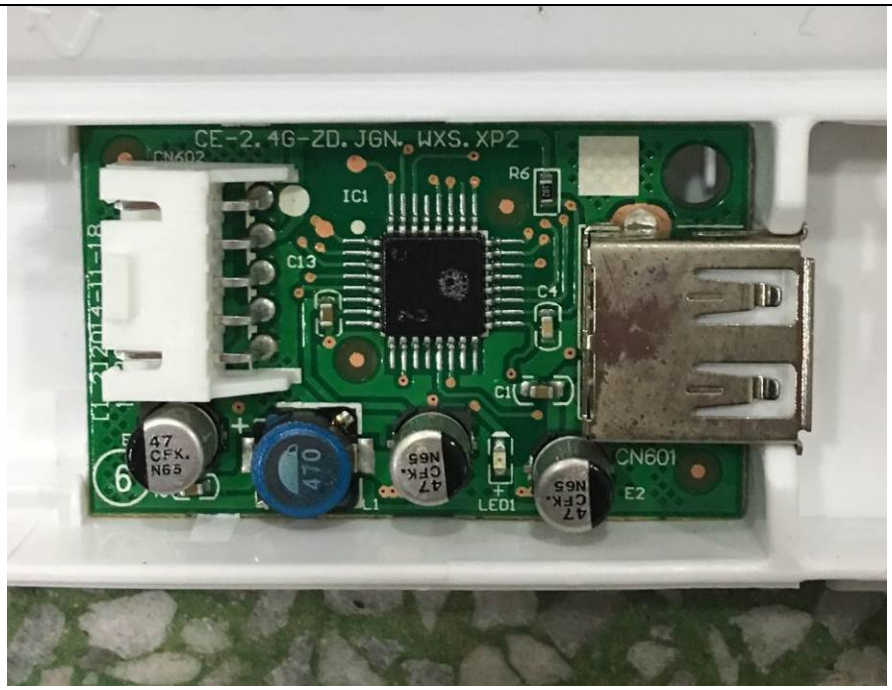
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: The wifi PCB for the alternative internal construction of MSABAU-09HRFN1-QRD0GW(B), MSABBU-12HRFN1-QRD0GW(B)

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 4

Details of: The wifi PCB lay-out for the alternative internal construction of MSABAU-09HRFN1-QRD0GW(B), MSABBU-12HRFN1-QRD0GW(B)

View:

☒ general

☐ front

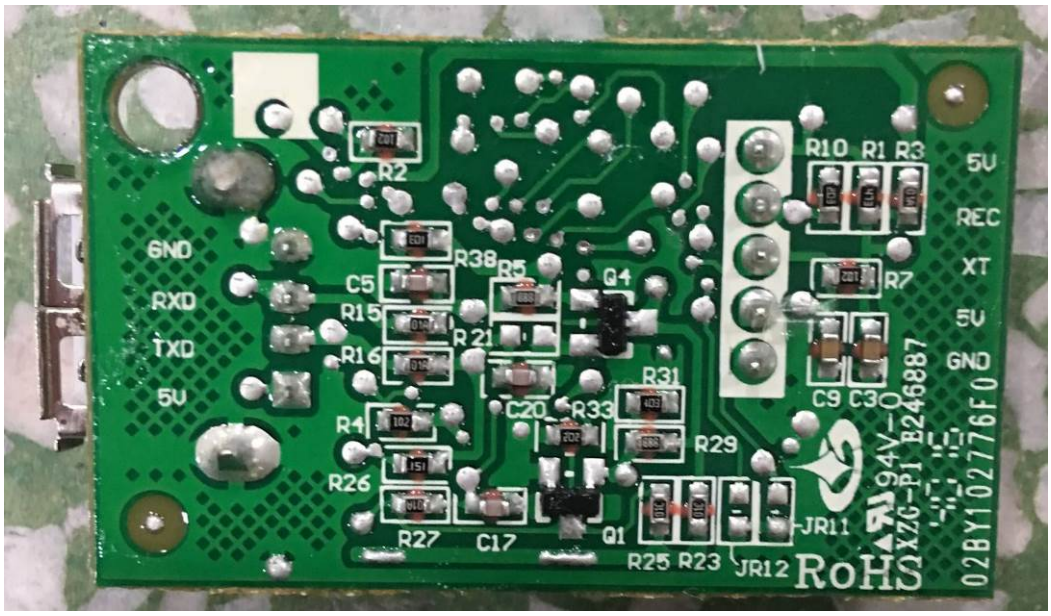
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: The main PCB of MSABAU-09HRFN1-QRD0GW(B), MSABBU-12HRFN1-QRD0GW(B)

View:

☒ general

☐ front

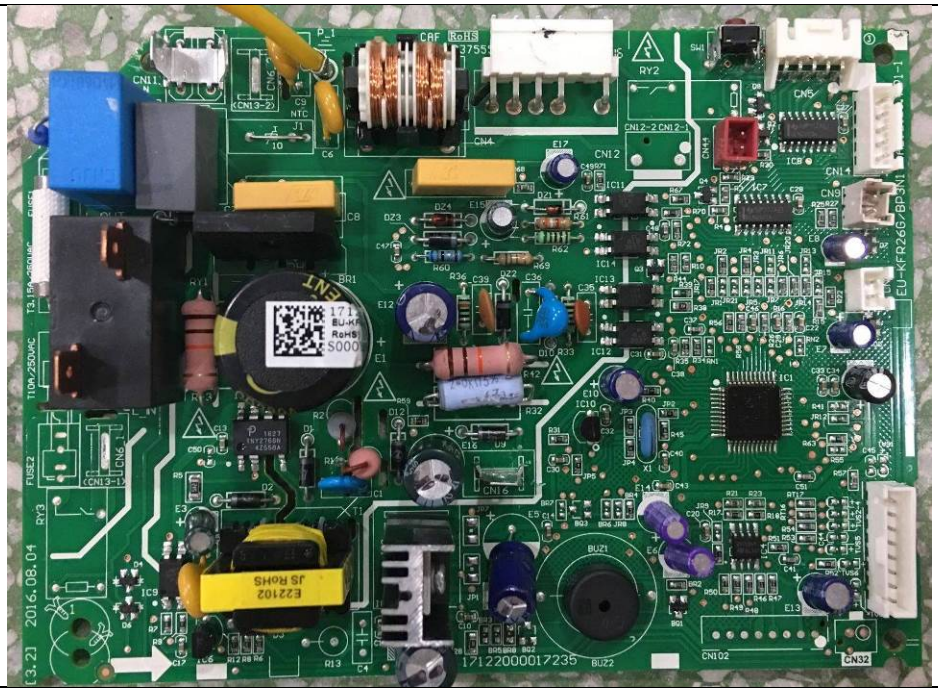
☐ rear

☐ right

☐ left

☐ top

☐ bottom

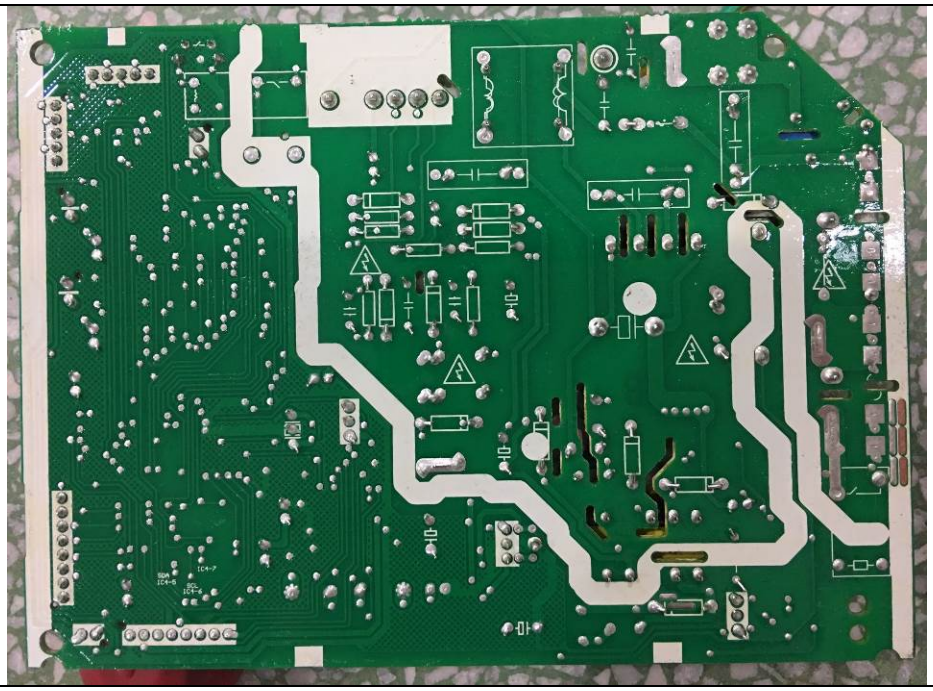


Attachment 4

Details of: The main PCB lay-out of MSABAU-09HRFN1-QRD0GW(B), MSABBU-12HRFN1-QRD0GW(B)

View:

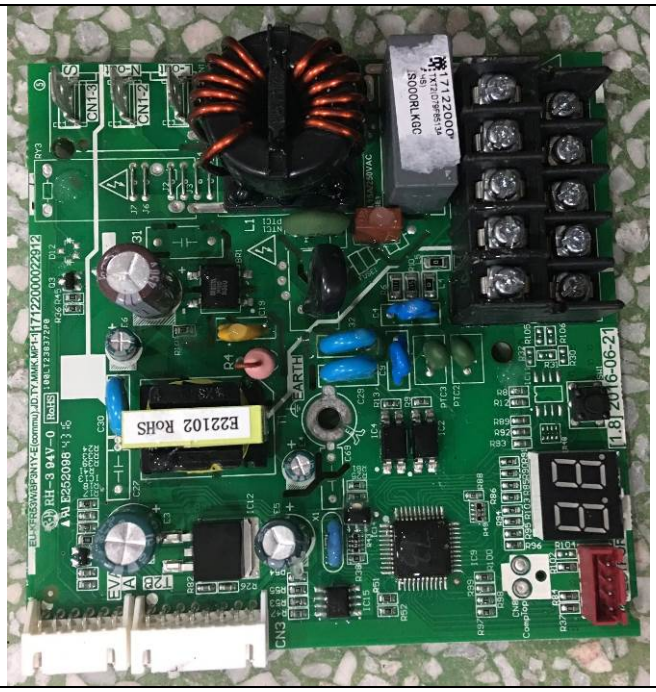
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: The new location of digital display on the main PCB of outdoor unit M2OF-18HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

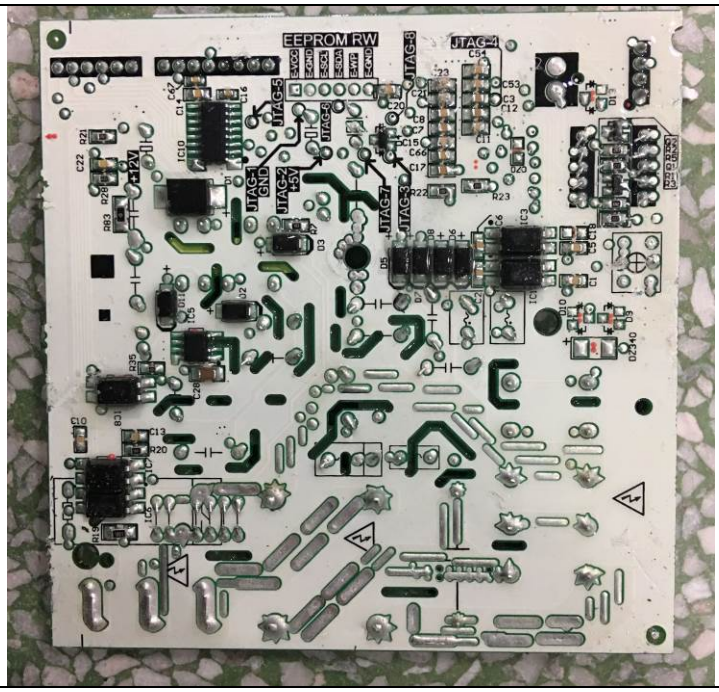


Attachment 4

Details of: The new location of digital display on the main PCB of outdoor unit M2OF-18HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: The new location of cord anchorage of outdoor unit M2OF-18HFN1-Q

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 4

Details of: General view of outdoor unit (M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: General view of outdoor unit (M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of outdoor unit (M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Inner view of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Inner view of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 4

Details of: Terminal block and earthed terninal of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Fan motor of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Compressor of outdoor unit (M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB 1 of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: PCB 1 of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

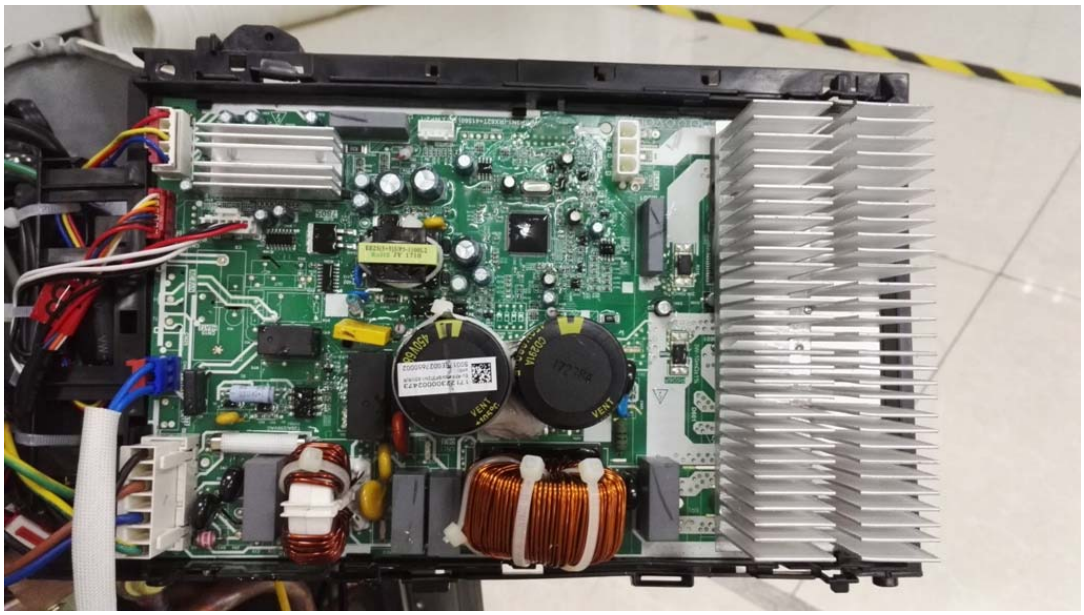
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: PCB 1 layout of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

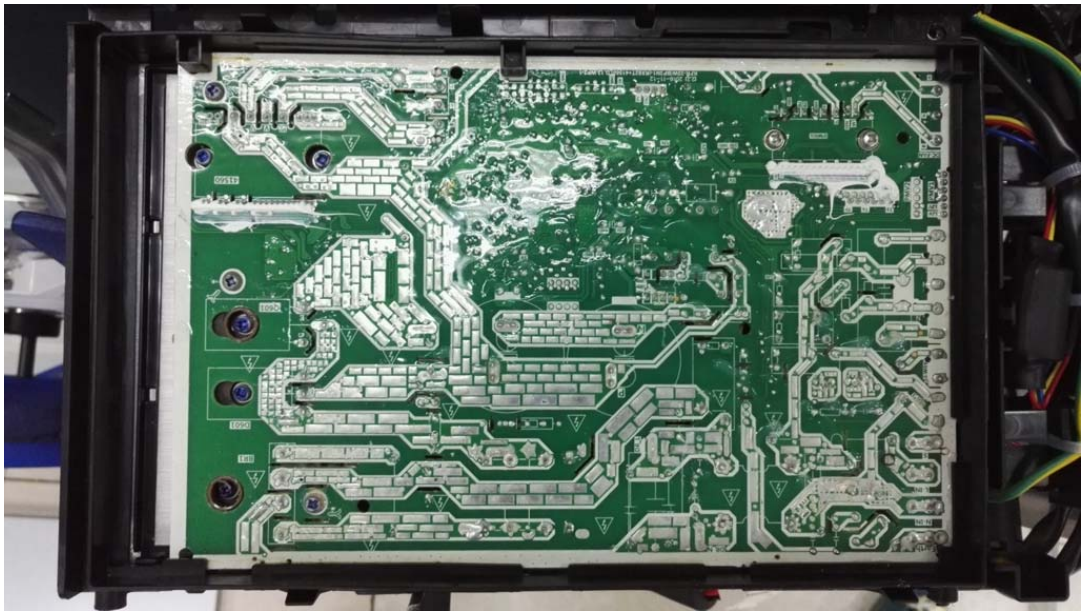
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 3 photo documentation

Details of: 4-way value of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

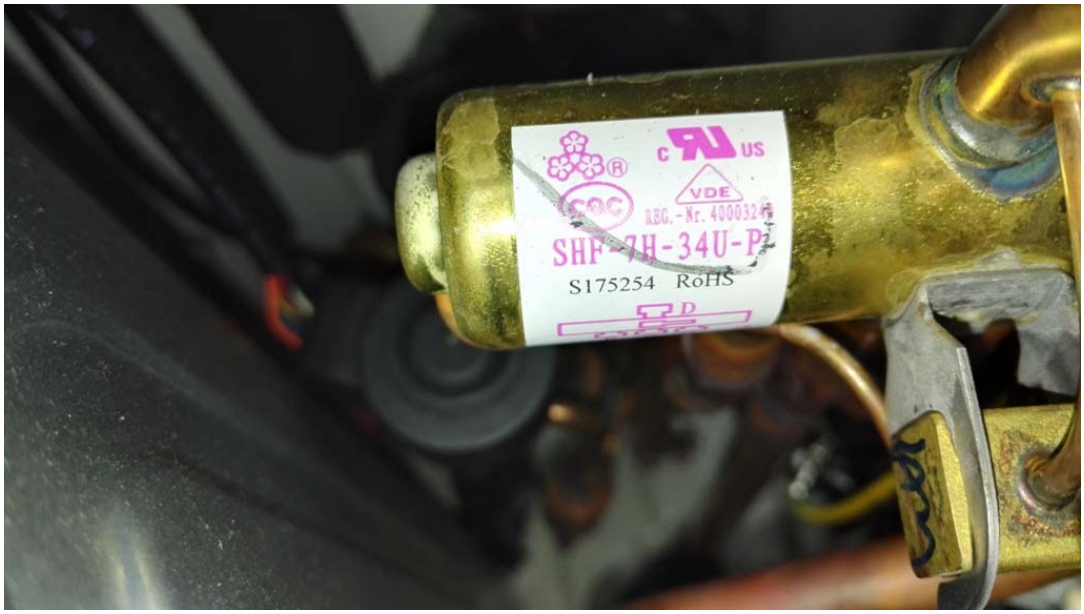
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Compressor of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: PCB 2 of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: PCB 2 layout of outdoor unit(M2OF-14HFN1-Q)

View:

☒ general

☐ front

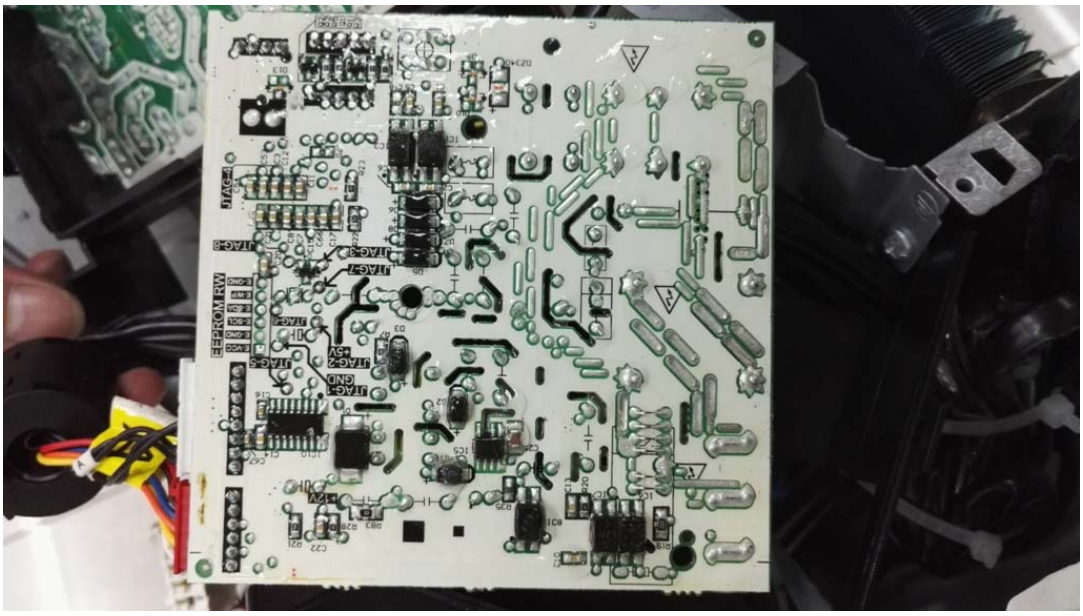
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Attachment 3 photo documentation

Details of: Alternative appearance of outdoor unit (M2OF-18HFN1-Q)

View:

- ☐ general
- ☐ front
- ☐ rear
- ☐ right
- ☒ left
- ☐ top
- ☐ bottom

Details of: Appearance of indoor unit of B-MSABAU-09HRFNX-QRD0GW, B-MSABBU-12HRFNX-QRD0GW, B-MSABDU-18HRFNX-QRD0GW and B-MSABEU-24HRFNX-QRD0GW

View:

- ☐ general
- ☐ front
- ☐ rear
- ☐ right
- ☒ left
- ☐ top
- ☐ bottom

Attachment 3 photo documentation

Details of: General view of remote control RG09K2/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of remote control RG09K2/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Display PCB of remote control RG09K2/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Display PCB lay-out of remote control RG09K2/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: General view of remote control RG36B(B)/BGE

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of remote control RG36B(B)/BGE

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Display PCB of remote control RG36B(B)/BGE

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Display PCB lay-out of remote control RG36B(B)/BGE

View:

☒ general

☐ front

☐ rear

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Attachment 3 photo documentation

Details of: General view of remote control RG57A3/BGEF

View:

☒ general

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☐ right

☐ left

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☐ bottom

Details of: General view of remote control RG57A3/BGEF

View:

☒ general

☐ front

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Attachment 3 photo documentation

Details of: Display PCB of remote control RG57A3/BGEF

View:

☒ general

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Details of: Display PCB lay-out of remote control RG57A3/BGEF

View:

☒ general

☐ front

☐ rear

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☐ bottom

Attachment 3 photo documentation

Details of: General view of remote control RG58A/BGEF

View:

☒ general

☐ front

☐ rear

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☐ bottom

Details of: General view of remote control RG58A/BGEF

View:

☒ general

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☐ rear

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☐ bottom

Attachment 3 photo documentation

Details of: Display PCB of remote control RG58A/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Display PCB lay-out of remote control RG58A/BGEF

View:

☒ general

☐ front

☐ rear

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☐ left

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Attachment 3 photo documentation

Details of: General view of remote control RG66B5(2H)/BGEF

View:

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Details of: General view of remote control RG66B5(2H)/BGEF

View:

☒ general

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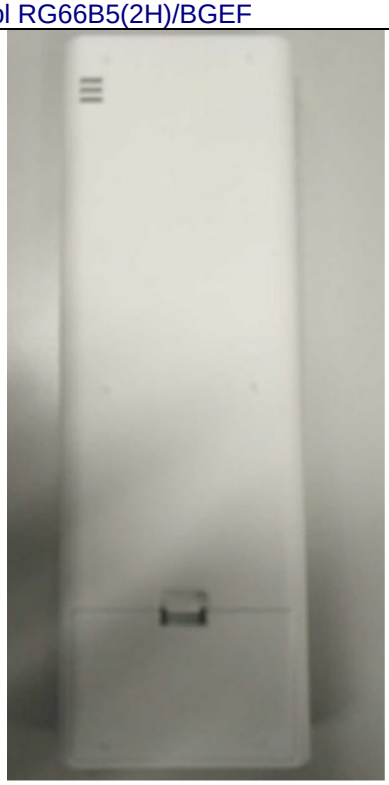

Attachment 3 photo documentation

Details of: Display PCB of remote control RG66B5(2H)/BGEF

View:

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Details of: Display PCB lay-out of remote control RG66B5(2H)/BGEF

View:

☒ general

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Attachment 3 photo documentation

Details of: General view of remote control RG68A/BGEF

View:

☒ general

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☐ rear

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☐ left

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☐ bottom

Details of: General view of remote control RG68A/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

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☐ bottom

Attachment 3 photo documentation

Details of: Display PCB of remote control RG68A/BGEF

View:

☒ general

☐ front

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Details of: Display PCB lay-out of remote control RG68A/BGEF

View:

☒ general

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Attachment 3 photo documentation

Details of: General view of remote control RG70E/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: General view of remote control RG70E/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Display PCB of remote control RG70E/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Display PCB lay-out of remote control RG70E/BGEF

View:

☒ general

☐ front

☐ rear

☐ right

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☐ bottom

Attachment 3 photo documentation

Details of: General view of wire controller KJR-12B/DP(T)-E-2

View:

☒ general

☐ front

☐ rear

☐ right

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☐ top

☐ bottom

Details of: General view of wire controller KJR-12B/DP(T)-E-2

View:

☒ general

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☐ rear

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☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Display PCB of wire controller KJR-12B/DP(T)-E-2

View:

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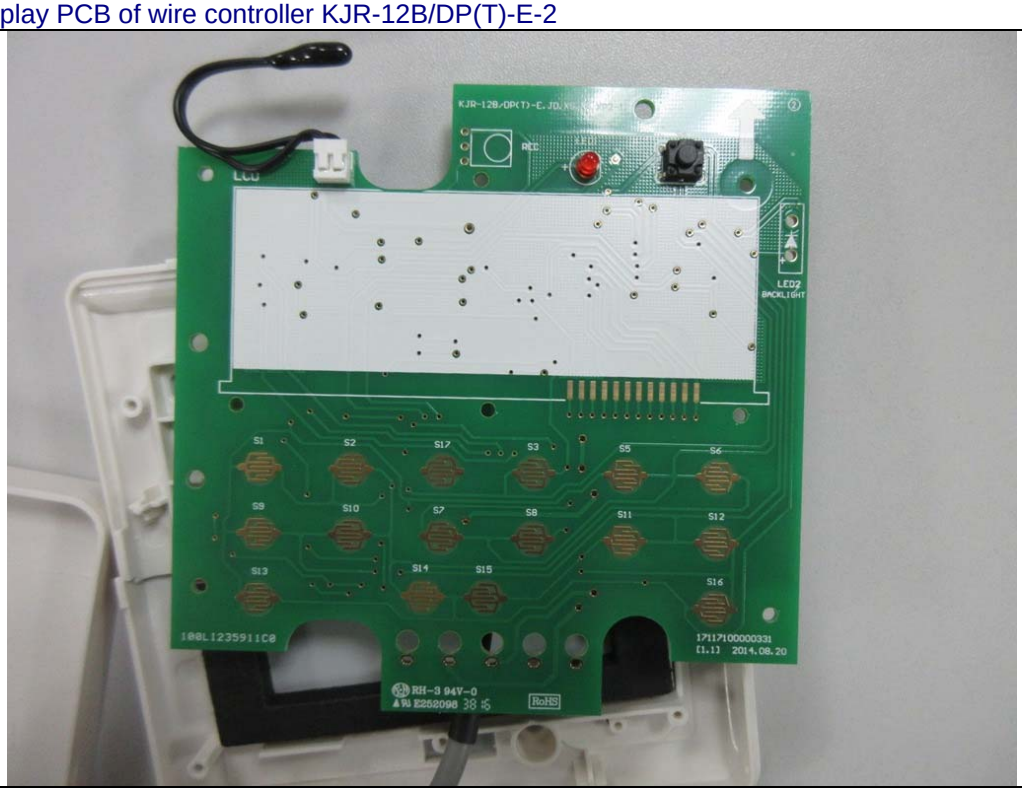

Details of: Display PCB lay-out of wire controller KJR-12B/DP(T)-E-2

View:

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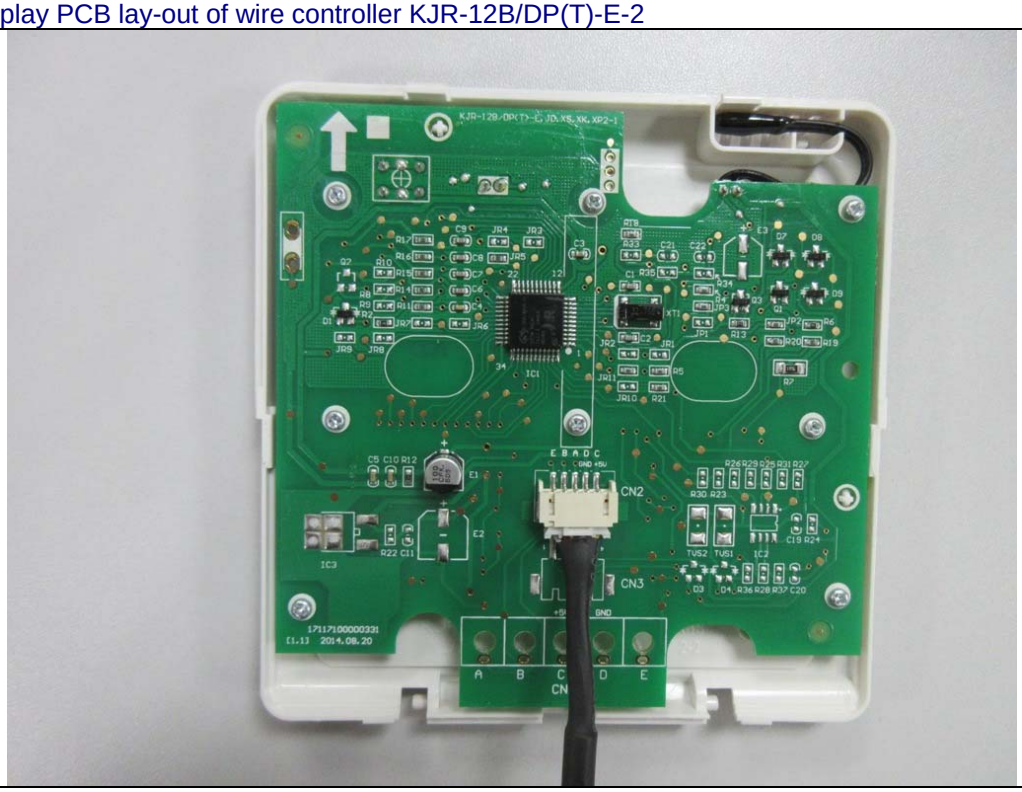

Attachment 3 photo documentation

Details of: General view of wire controller KJR-120G/TF-E

View:

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Details of: General view of wire controller KJR-120G/TF-E

View:

☒ general

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Attachment 3 photo documentation

Details of: Display PCB of wire controller KJR-120G/TF-E

View:

☒ general

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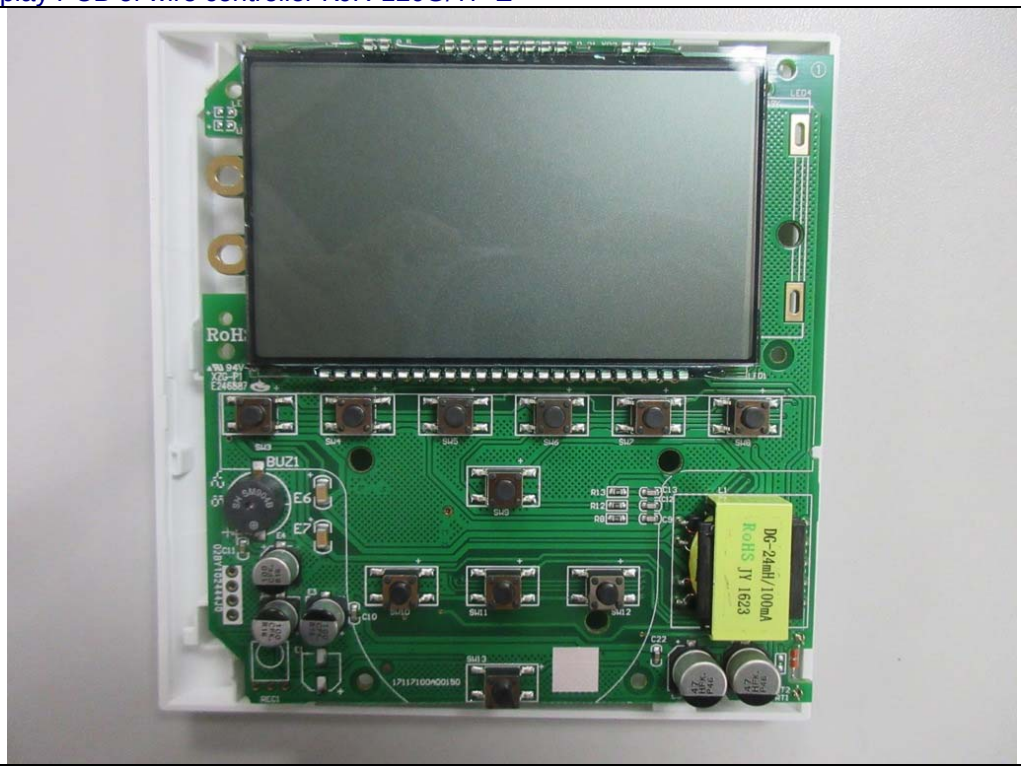

Details of: Display PCB lay-out of wire controller KJR-120G/TF-E

View:

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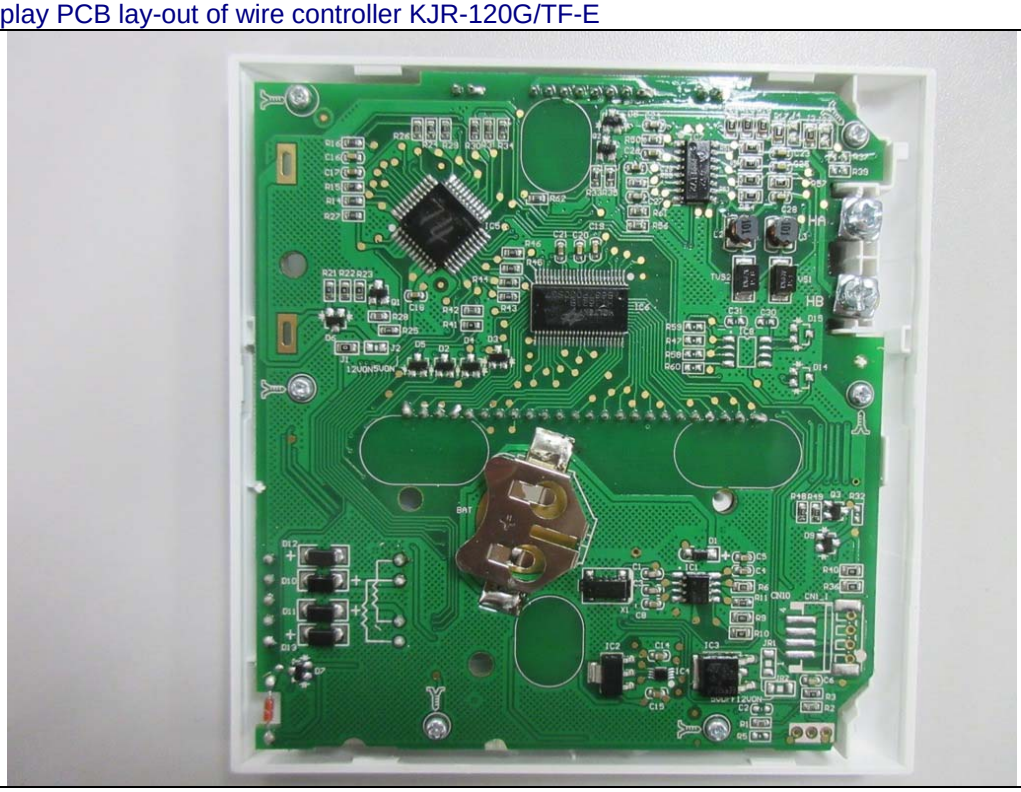

Attachment 3 photo documentation

Details of: General view of wire controller KJR-120G2/TFBG-E(12V)

View:

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Details of: General view of wire controller KJR-120G2/TFBG-E(12V)

View:

☒ general

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☐ rear

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☐ bottom

Attachment 3 photo documentation

Details of: Display PCB of wire controller KJR-120G2/TFBG-E(12V)

View:

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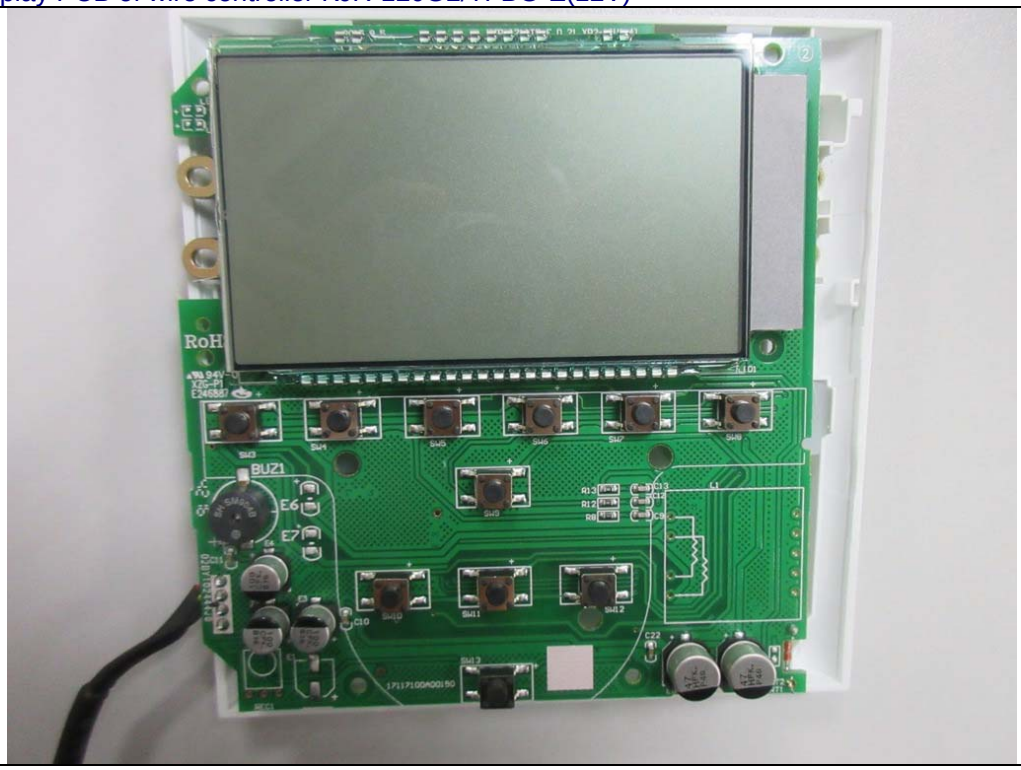

Details of: Display PCB lay-out of wire controller KJR-120G2/TFBG-E(12V)

View:

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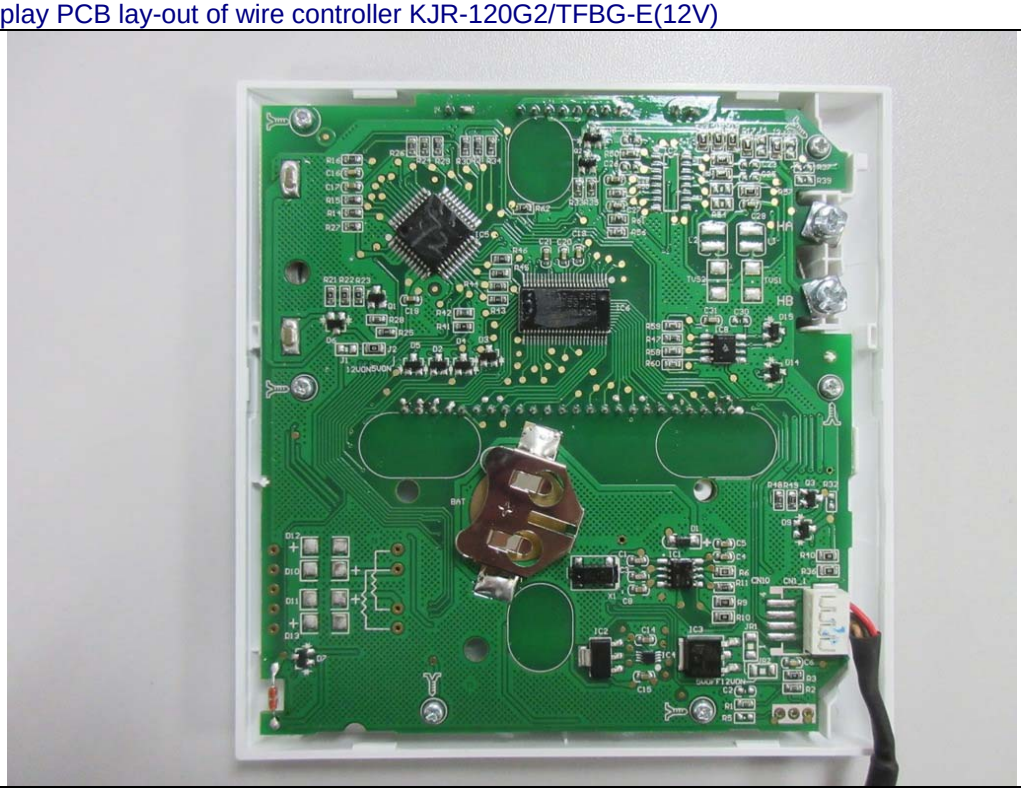

Attachment 3 photo documentation

Details of: General view of wire controller KJR-120C/TF-E

View:

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Details of: General view of wire controller KJR-120C/TF-E

View:

☒ general

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☐ bottom

Attachment 3 photo documentation

Details of: Display PCB of wire controller KJR-120C/TF-E

View:

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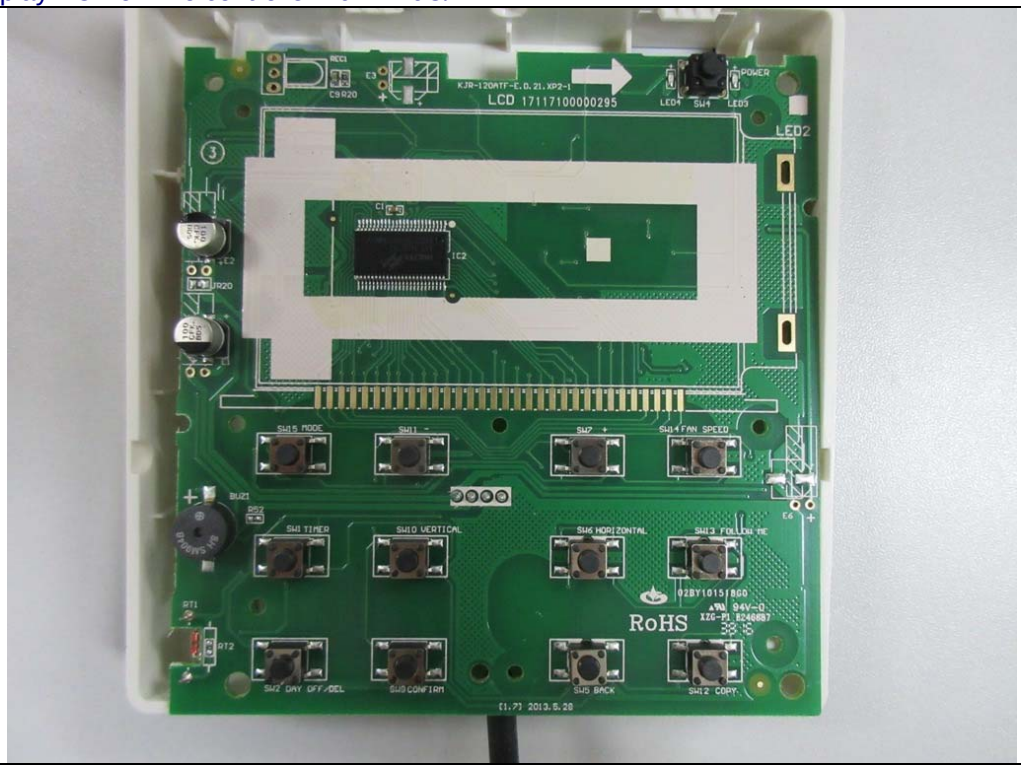

Details of: Display PCB lay-out of wire controller KJR-120C/TF-E

View:

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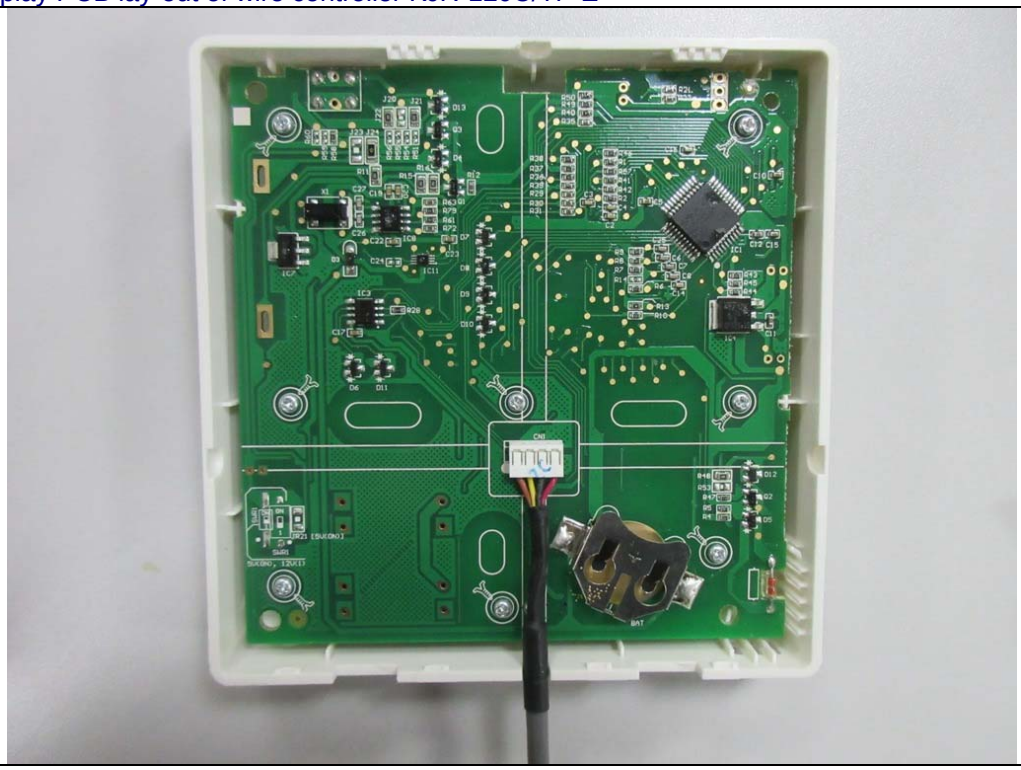

Attachment 3 photo documentation

Details of: Indoor unit appearance for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

☒ general

☐ front

☐ rear

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Details of: Indoor unit appearance for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW
Label location
(Symbol ISO 7000-0790; ISO-7000-1641; ISO 700-1659, Letter height: 15 mm.),
(Symbol ISO 7010-W021, Letter height: 30 mm.)

View:

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Attachment 3 photo documentation

Details of: Indoor unit appearance for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

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Details of: Indoor unit appearance for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

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Attachment 3 photo documentation

Details of: Inner view for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
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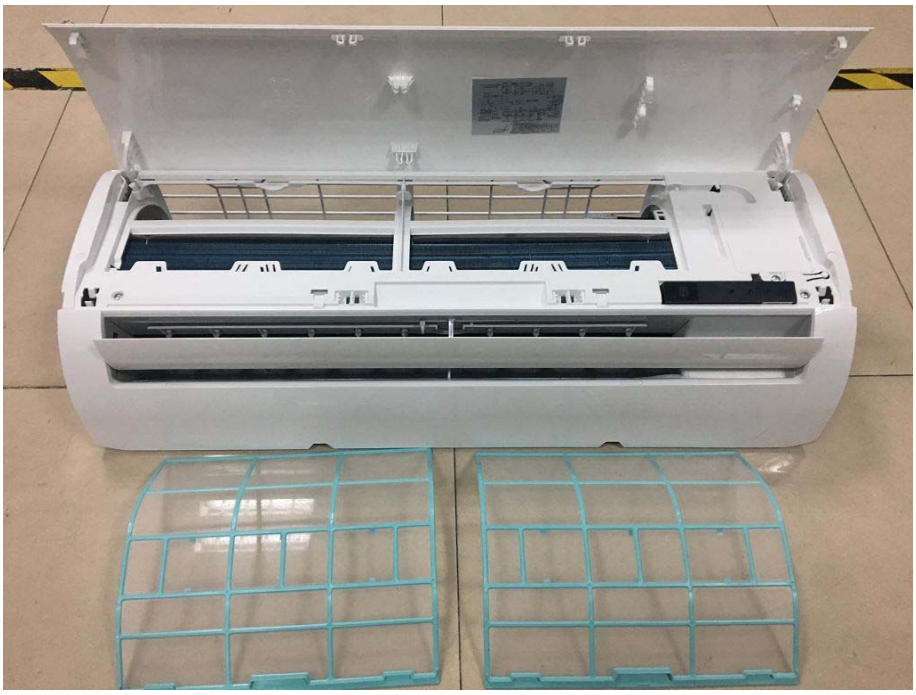

Details of: Inner view for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
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- ☐ top
- ☐ bottom

Attachment 3 photo documentation

Details of: Inner view for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
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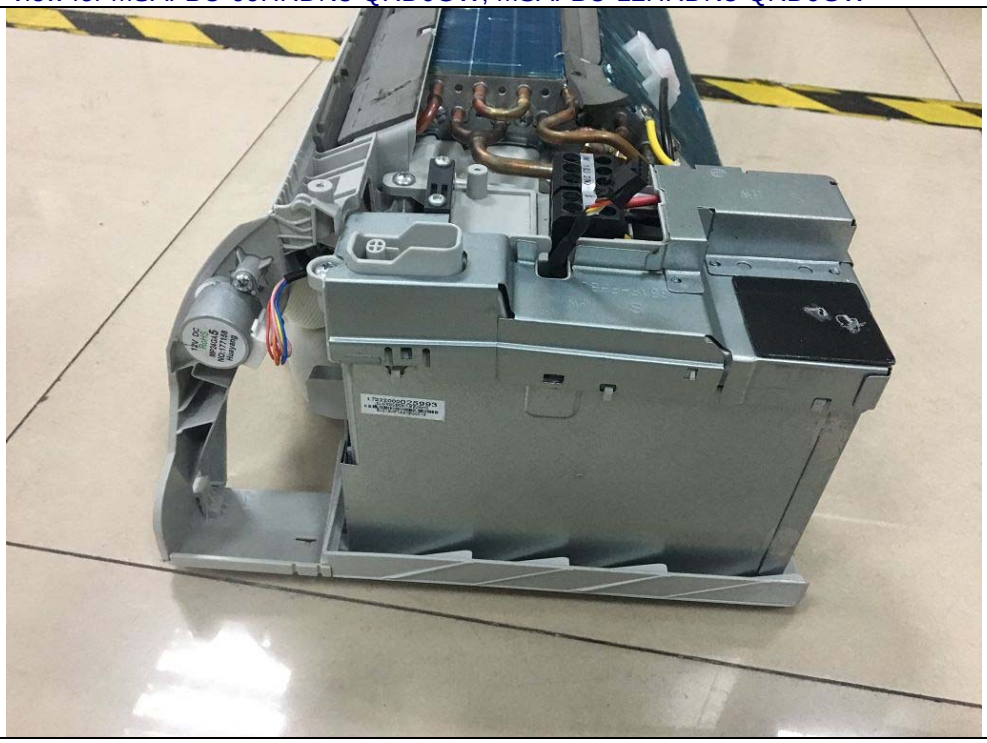

Details of: Inner view for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

- ☒ general
- ☐ front
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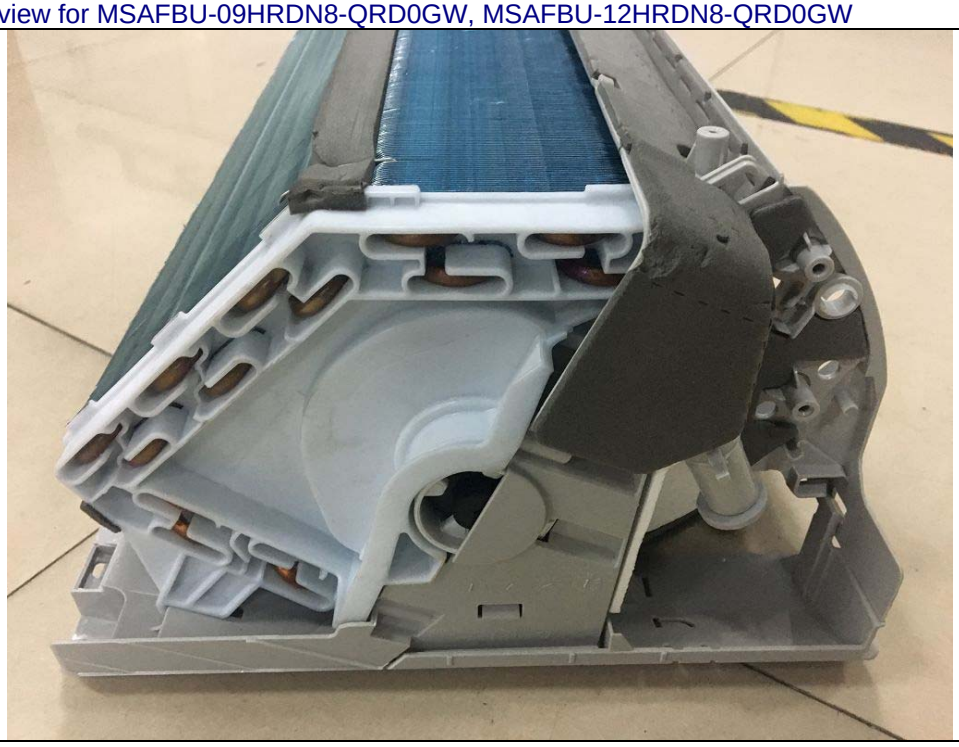

Attachment 3 photo documentation

Details of: Terminal block, earthing symbol and Cord anchorage for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

☒ general

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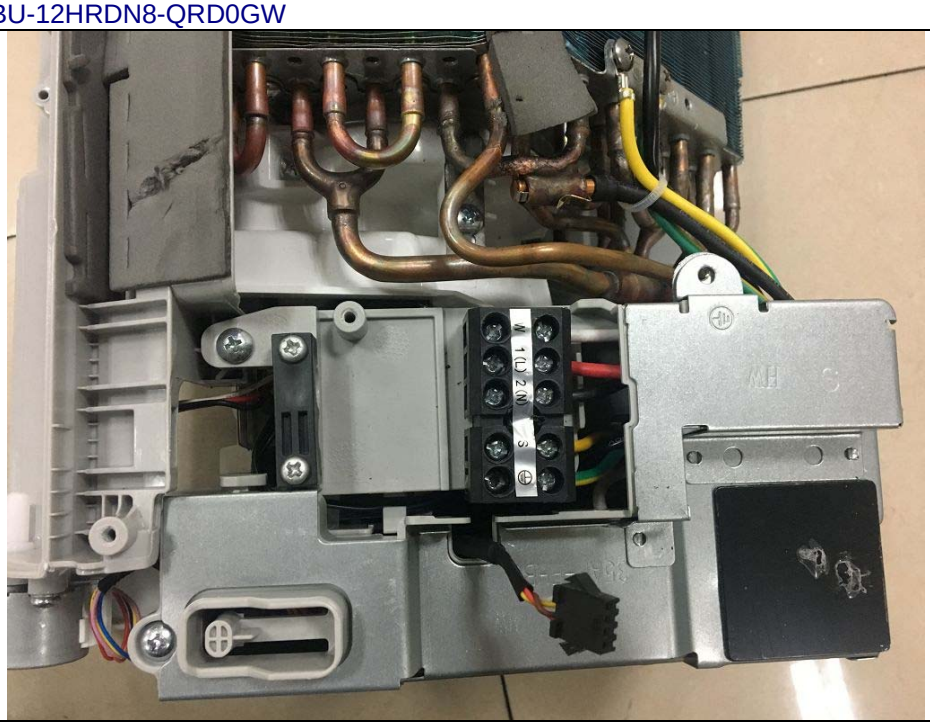

Details of: Step motor for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

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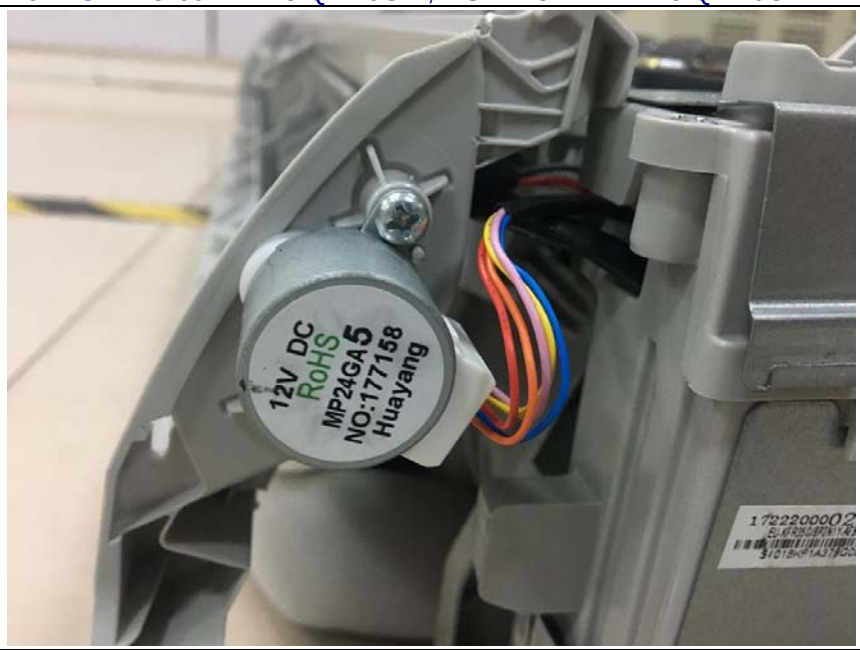

Attachment 3 photo documentation

Details of: Fan motor for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

☒ general

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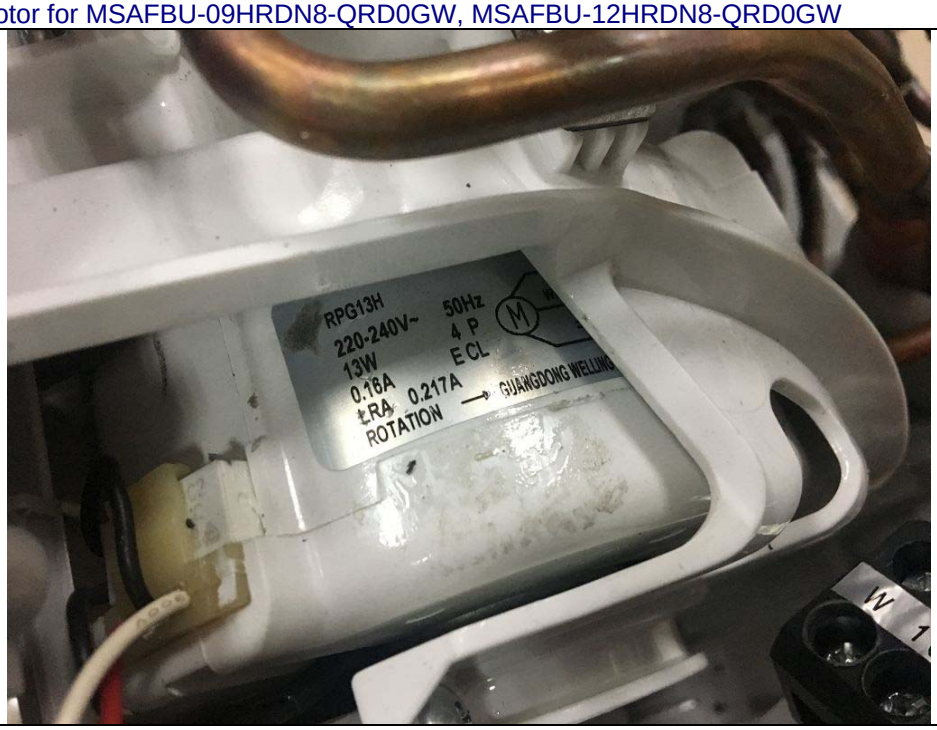

Details of: Main PCB for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

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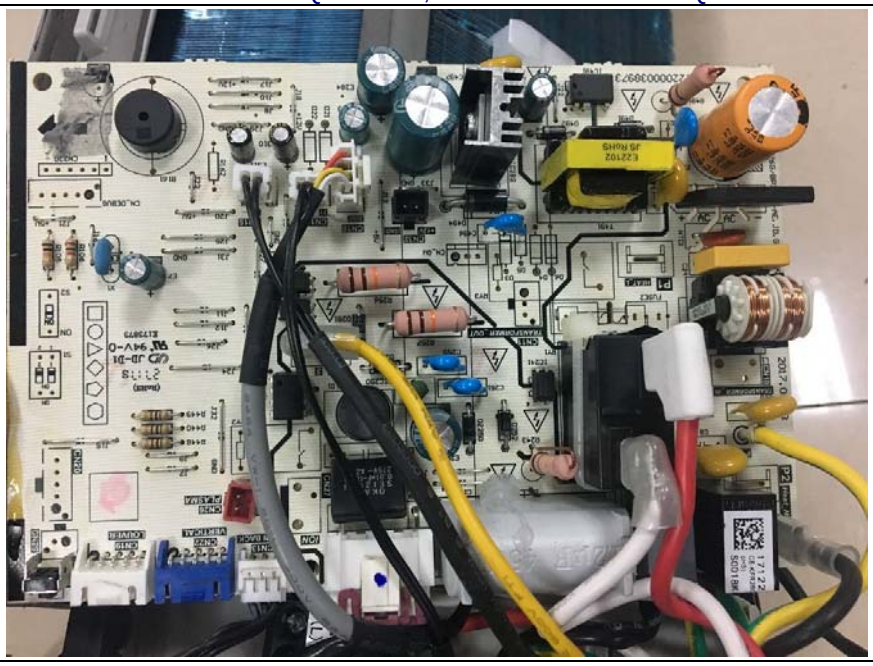

Attachment 3 photo documentation

Details of: Main PCB lay-out for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

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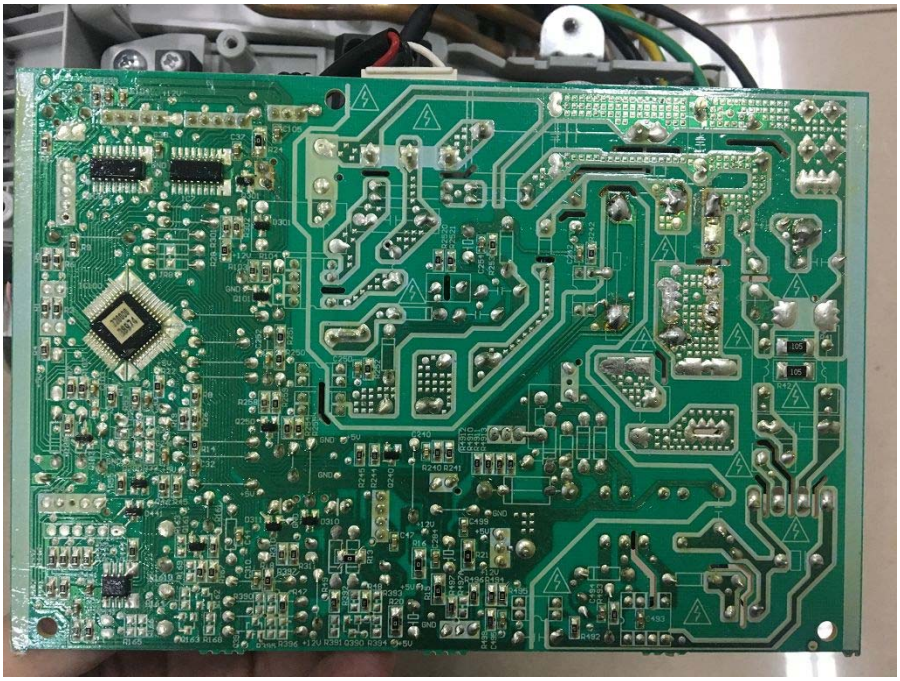

Details of: Control panel PCB for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

☒ general

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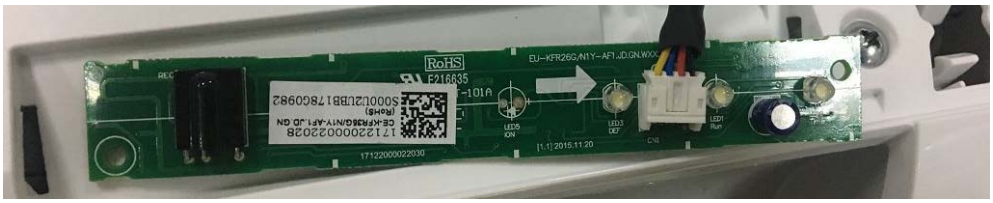

Attachment 3 photo documentation

Details of: Control panel PCB lay-out for MSAFBU-09HRDN8-QRD0GW, MSAFBU-12HRDN8-QRD0GW

View:

☒ general

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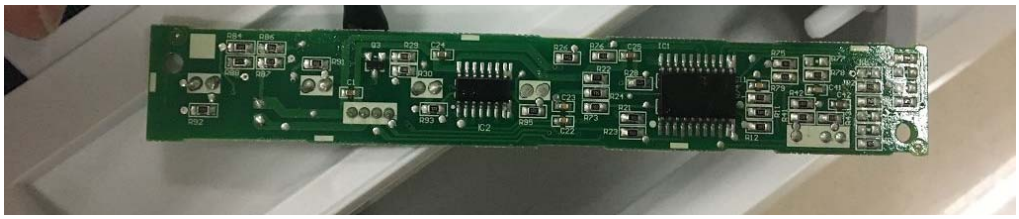

Details of: Indoor unit general view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

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Attachment 3 photo documentation

Details of: Indoor unit general view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

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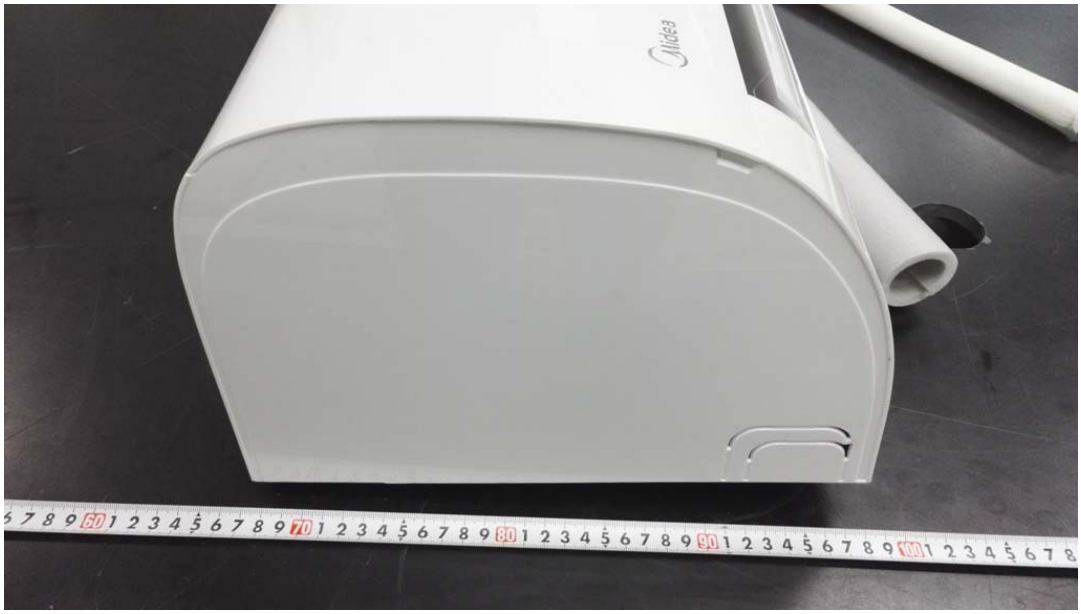

Details of: Indoor unit general view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

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Attachment 3 photo documentation

Details of: Indoor unit general view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

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☐ bottom

Details of: Indoor unit general view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

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Attachment 3 photo documentation

Details of: Indoor unit general view of MSAFCU-18HRFNX-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
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- ☐ top
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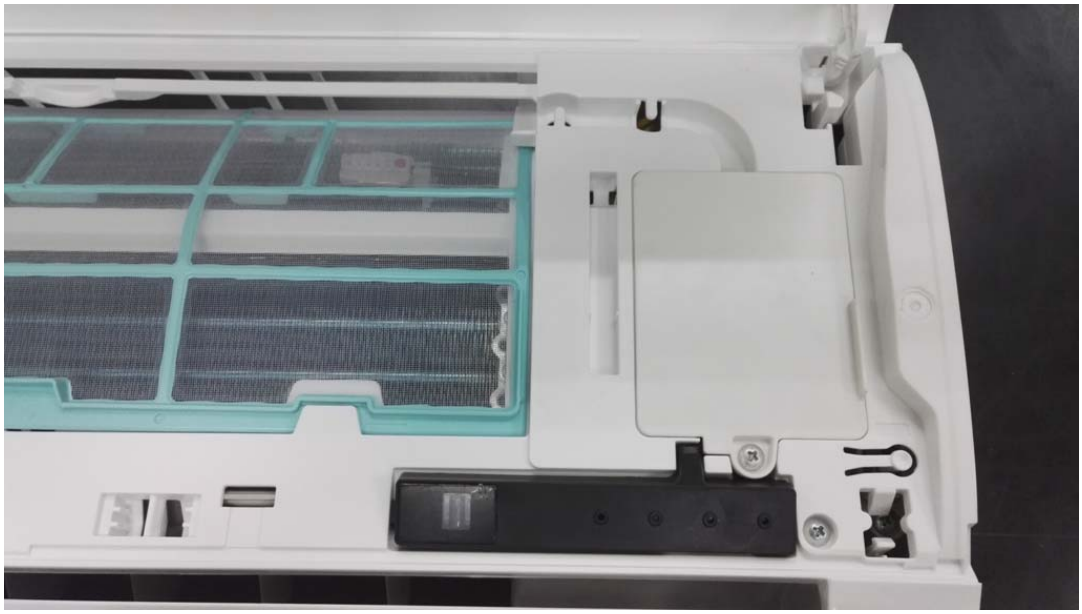
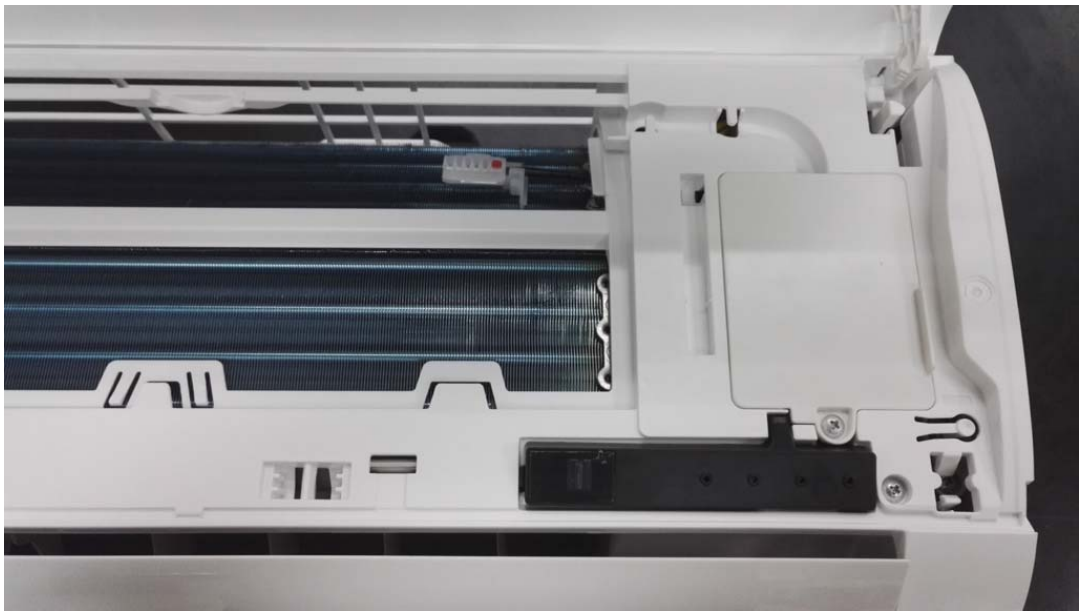


Details of: Indoor unit general view of MSAFCU-18HRFNX-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 3 photo documentation

Details of: Indoor unit display PCB layout view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

☐ front

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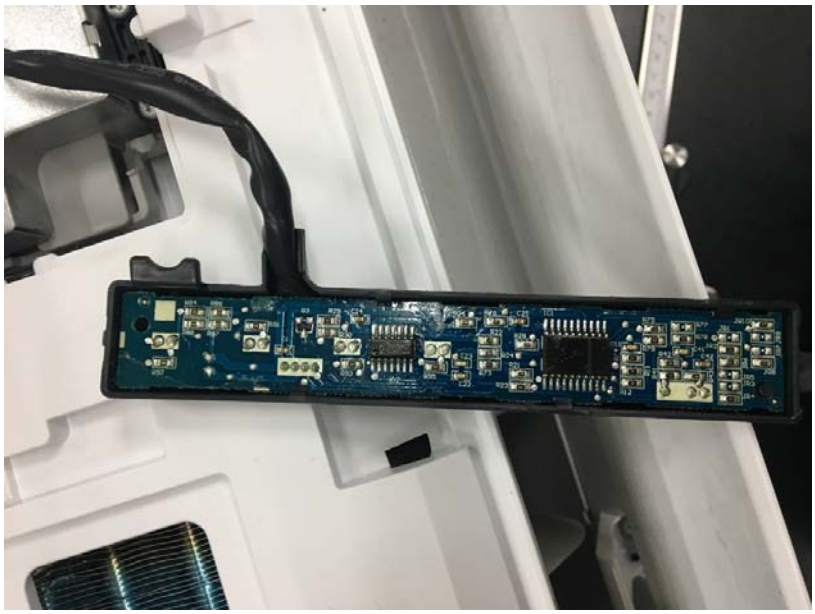

Details of: Indoor unit display PCB view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

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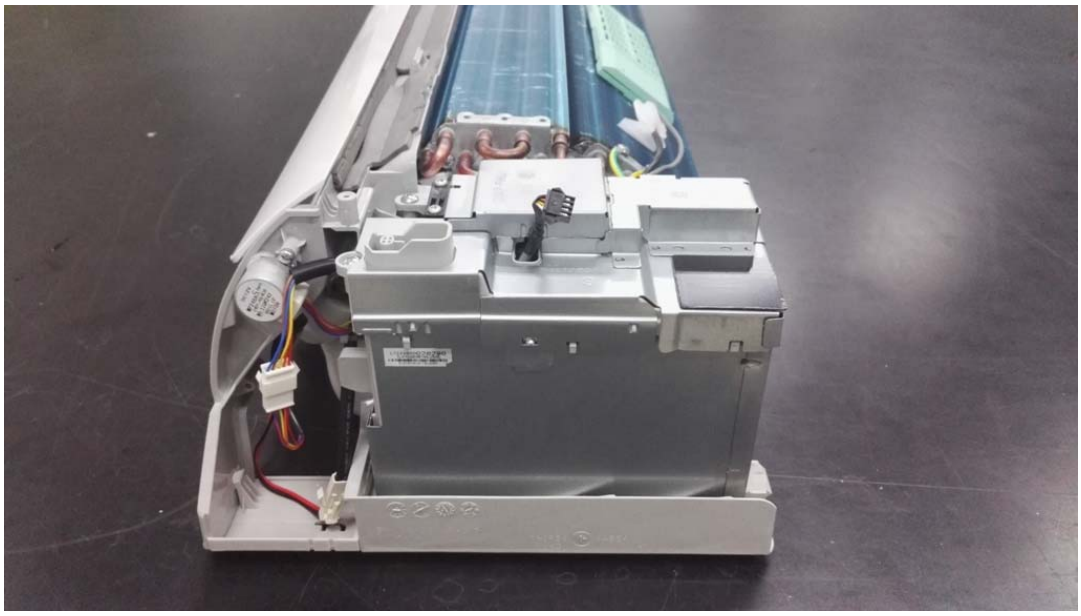
Attachment 3 photo documentation

Details of: Indoor unit internal view of MSAFCU-18HRFNX-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Indoor unit internal view of MSAFCU-18HRFNX-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Attachment 3 photo documentation

Details of: Indoor unit internal view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

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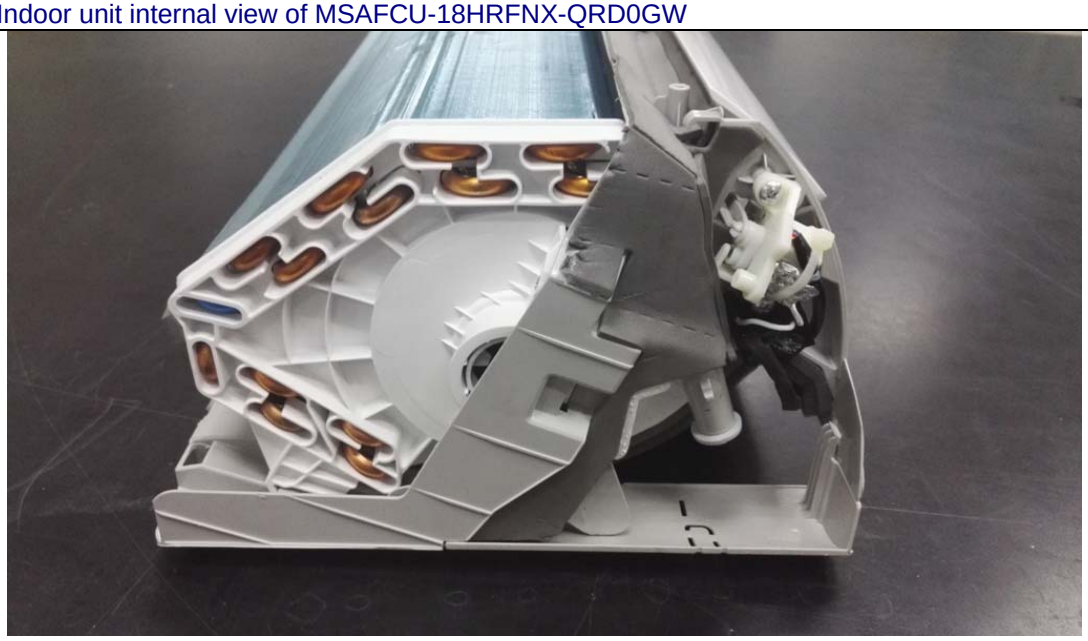

Details of: Indoor unit main PCB box view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

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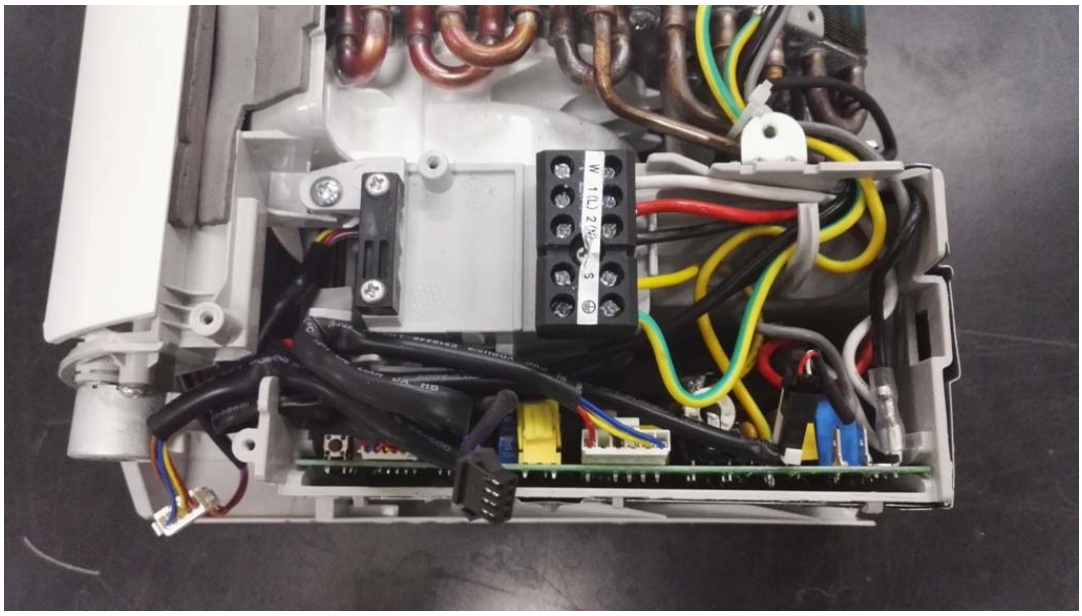
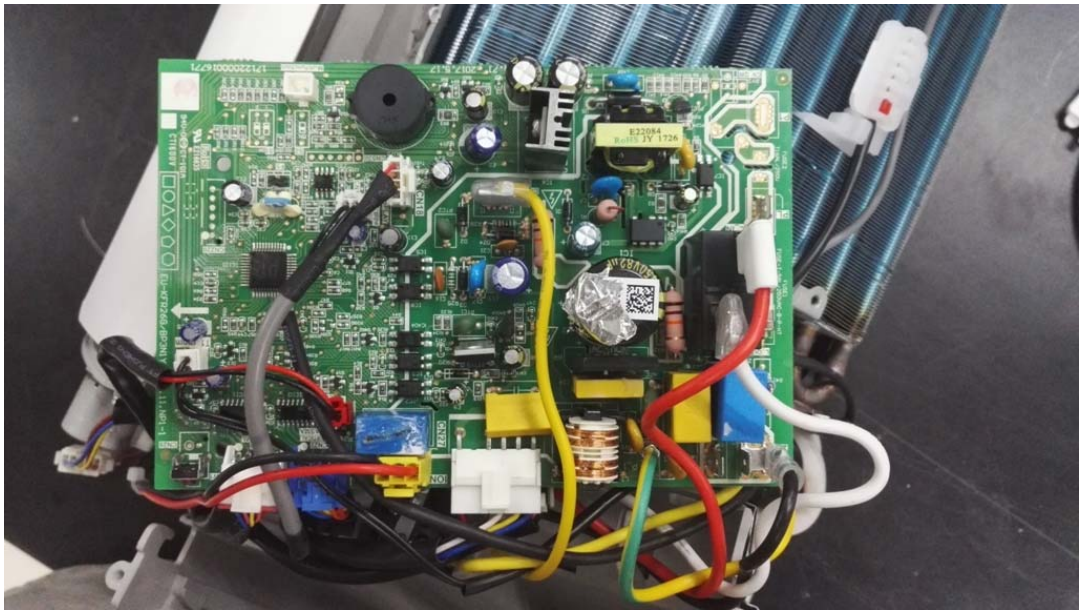


Attachment 3 photo documentation

Details of: Indoor unit main PCB view of MSAFCU-18HRFNX-QRD0GW

View:

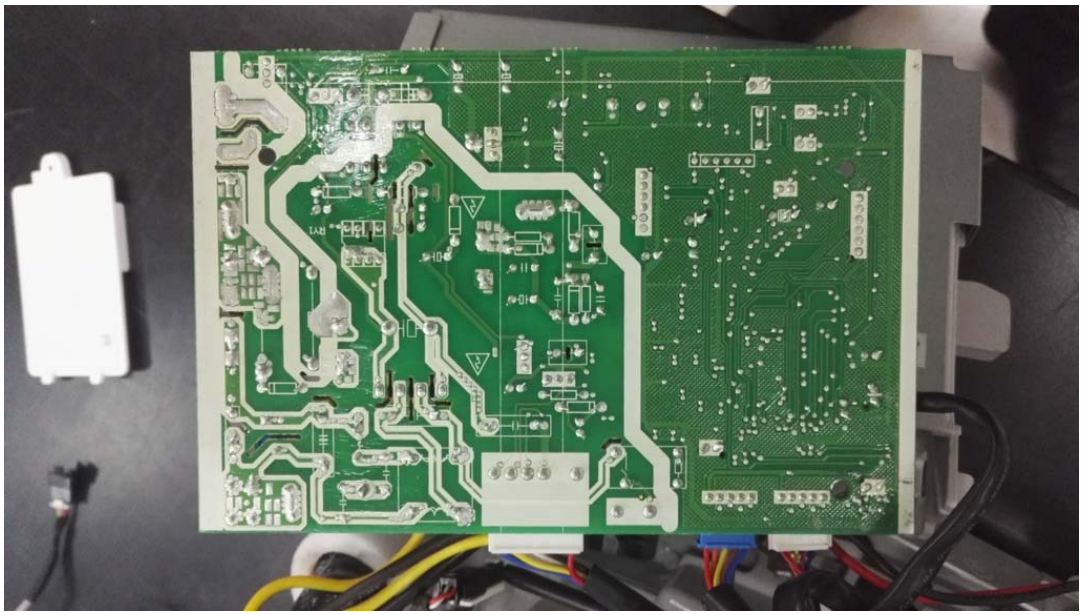
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Indoor unit main PCB layout view of MSAFCU-18HRFNX-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 3 photo documentation

Details of: Indoor unit motor view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

☐ front

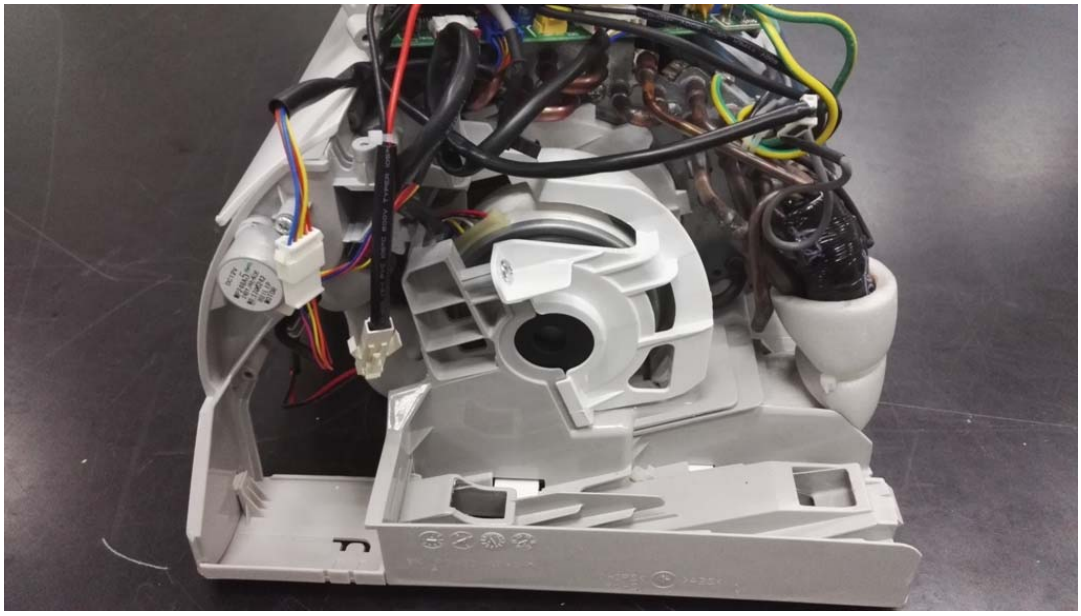
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Indoor unit step motor and anion generator view of MSAFCU-18HRFNX-QRD0GW,

View:

☒ general

☐ front

☐ rear

☐ right

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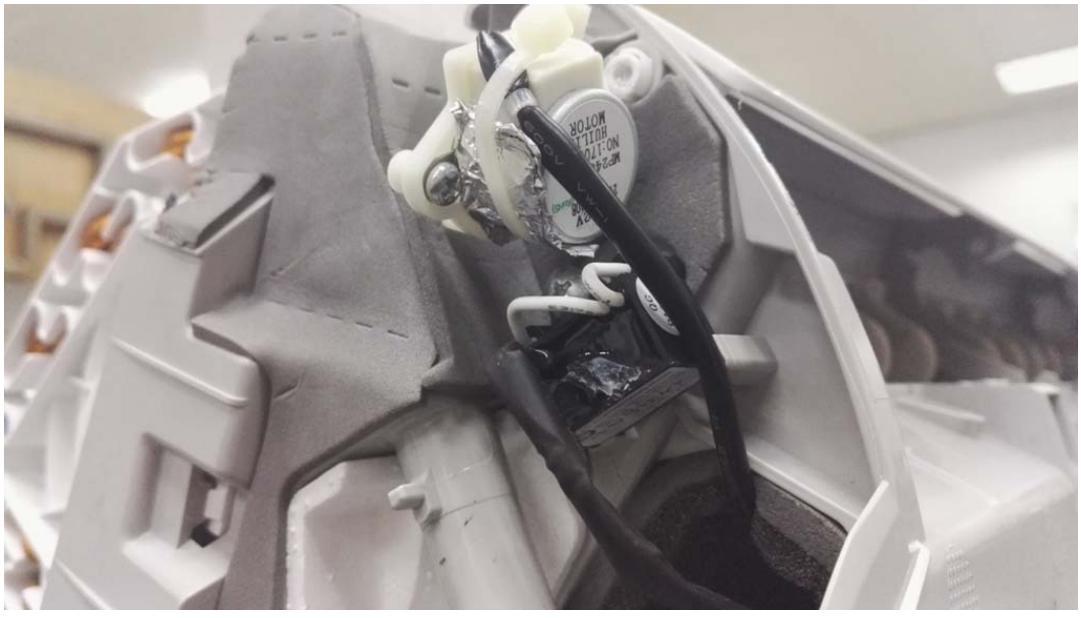


Attachment 3 photo documentation

Details of: Indoor unit terminal block view of MSAFCU-18HRFNX-QRD0GW

View:

☒ general

☐ front

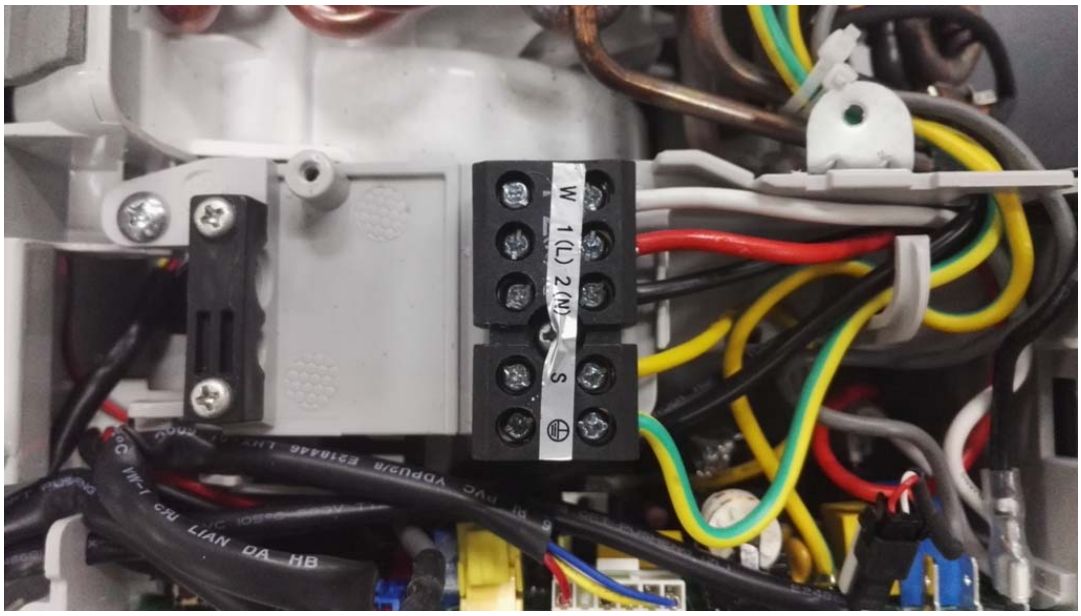
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Indoor unit general view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Indoor unit general view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

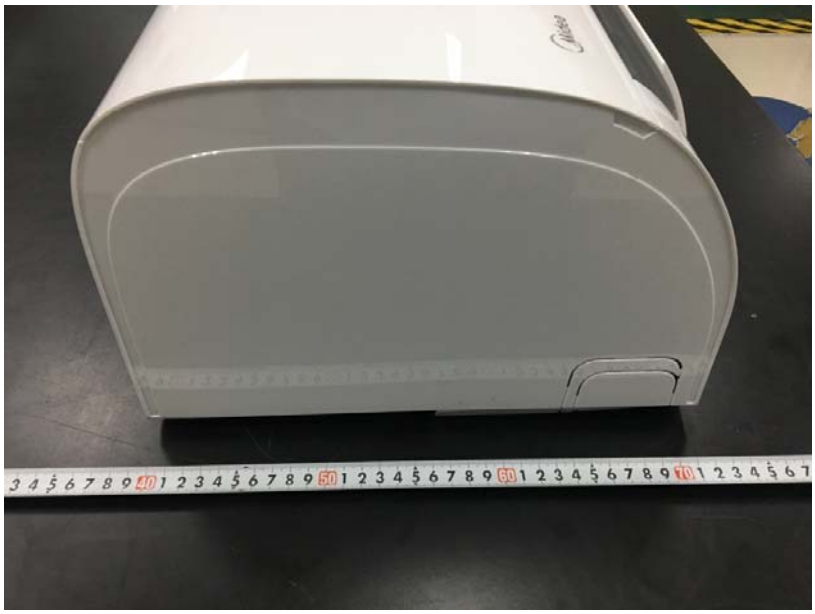
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Indoor unit general view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Indoor unit general view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Indoor unit general view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Indoor unit general view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

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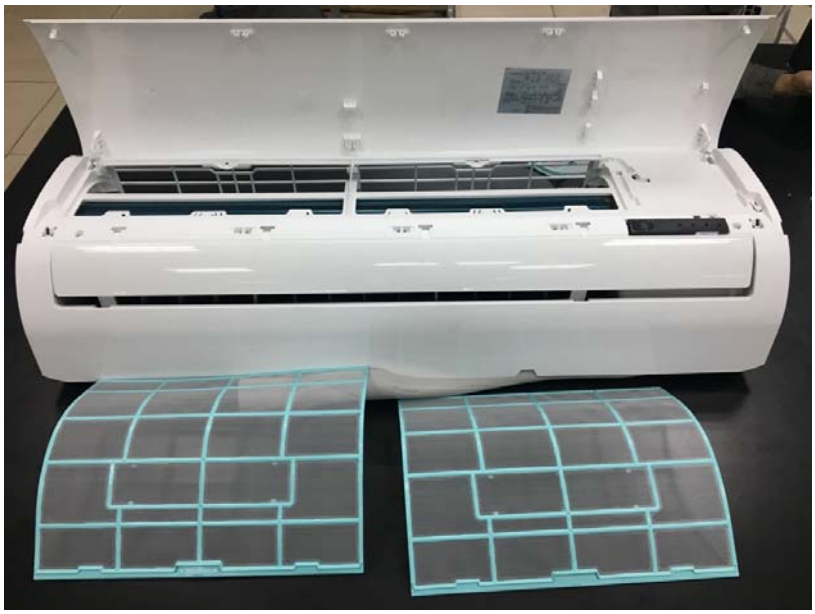
☐ top

☐ bottom



Details of: Indoor unit display PCB layout view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

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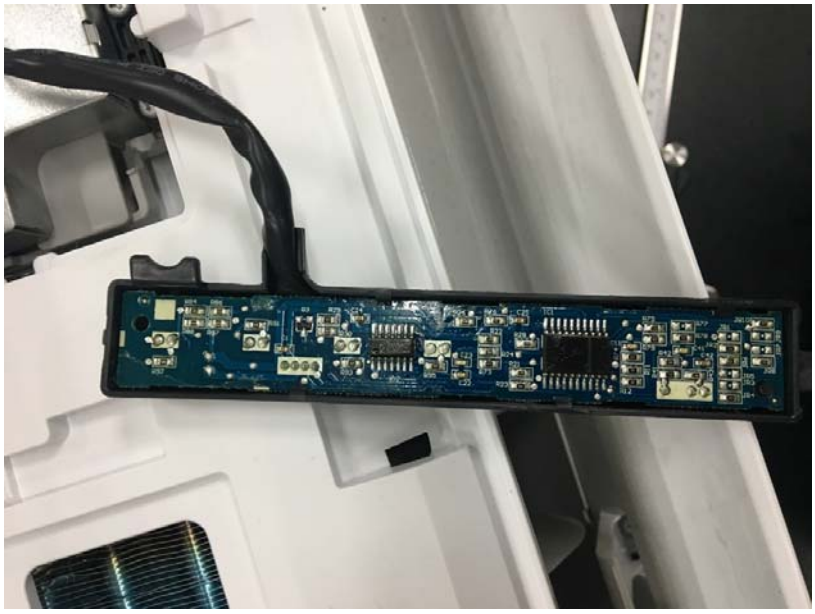
☐ left

☐ top

☐ bottom



Attachment 3 photo documentation

Details of: Indoor unit display PCB view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

Details of: Indoor unit internal view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

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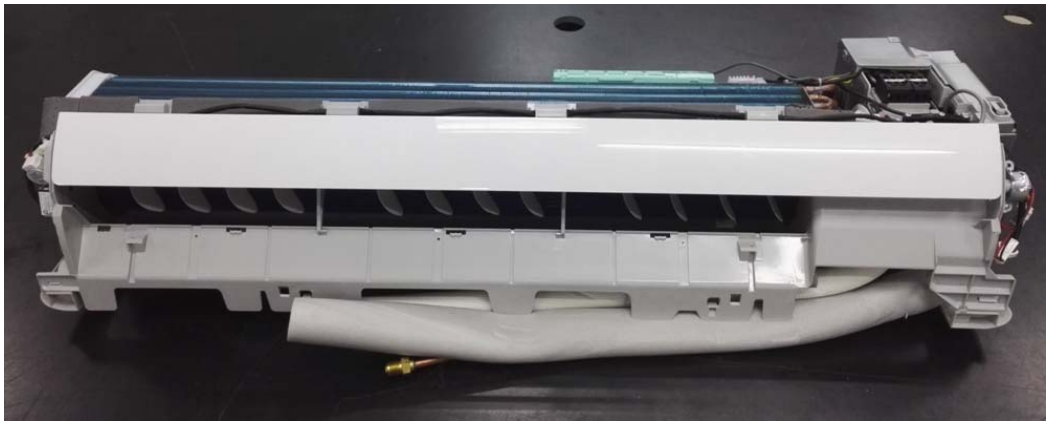
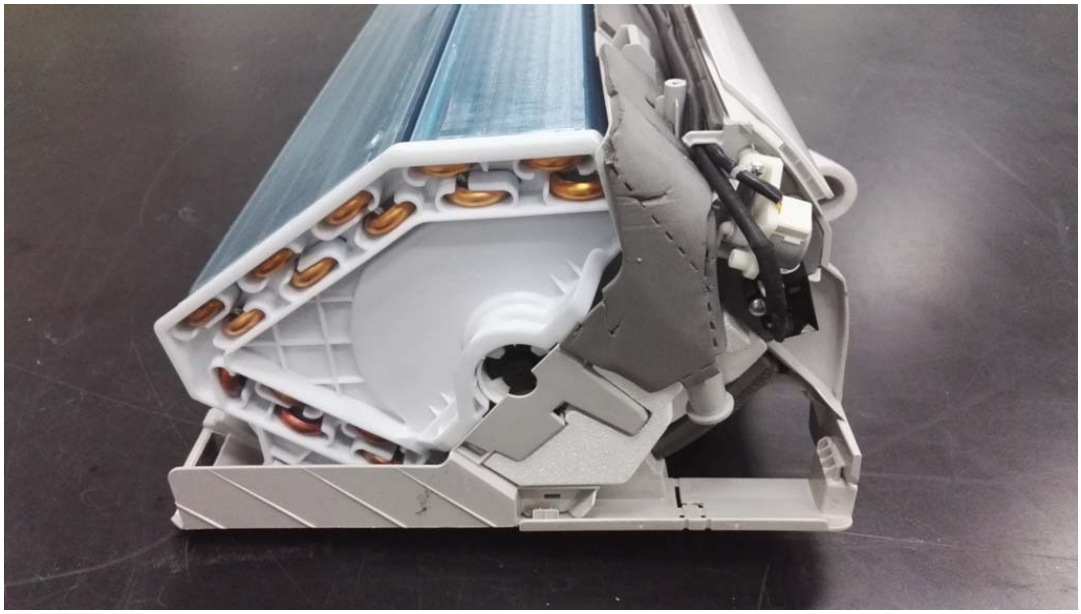


Attachment 3 photo documentation

Details of: Indoor unit internal view of MSAFDU-24HRFNX-QRD0GW

View:

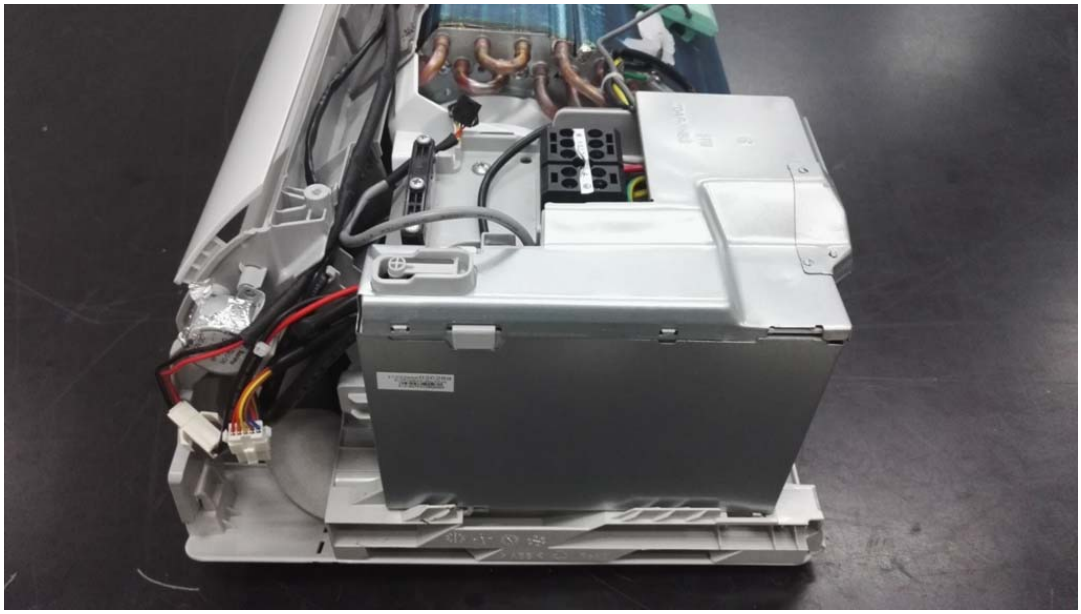
- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Details of: Indoor unit internal view of MSAFDU-24HRFNX-QRD0GW

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 3 photo documentation

Details of: Indoor unit main PCB box view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

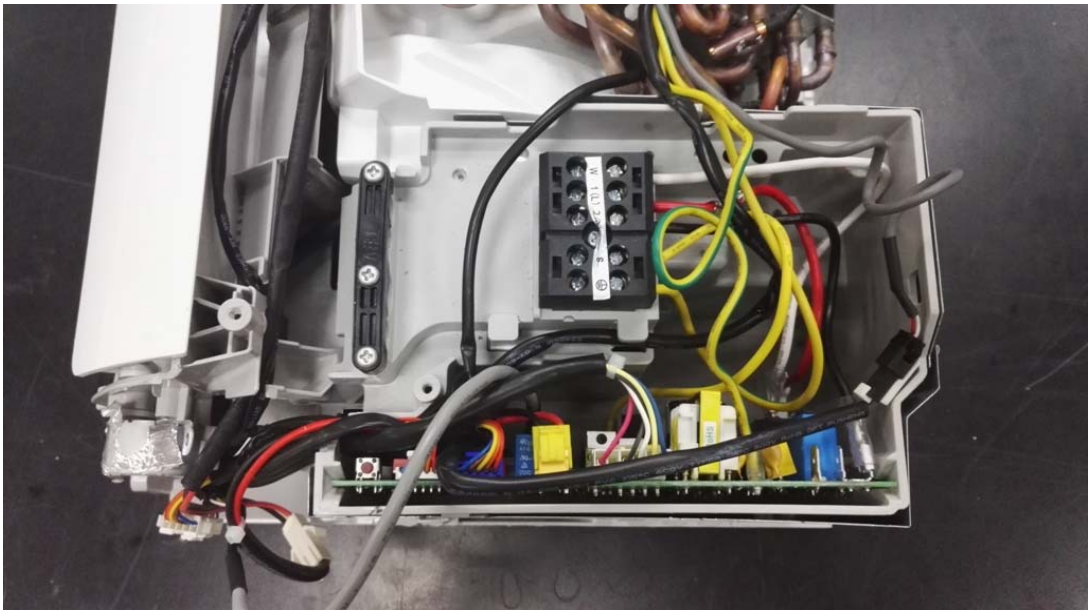
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Indoor unit main PCB view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

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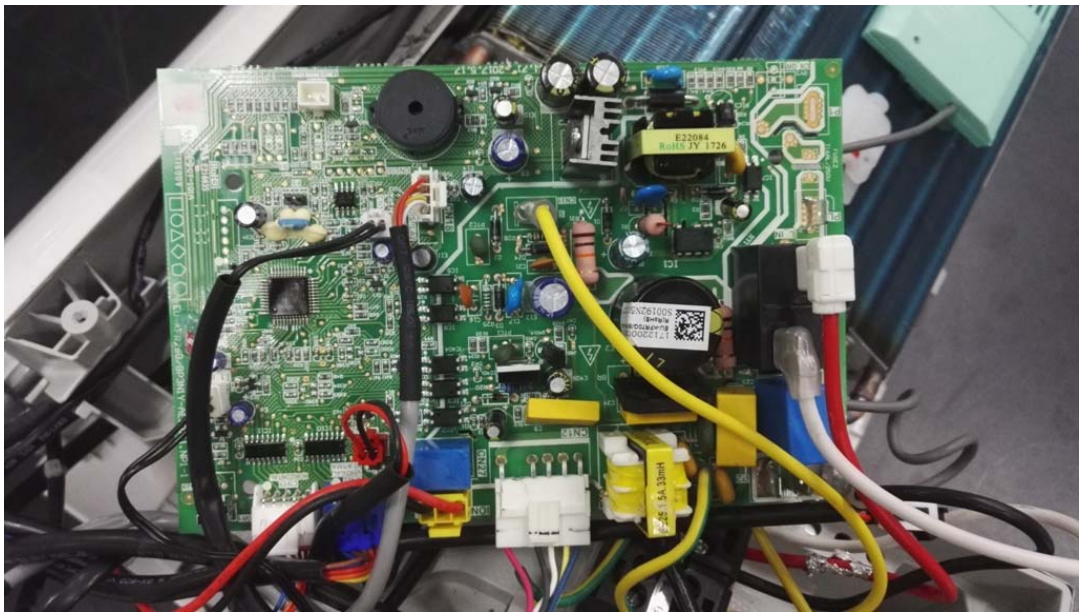

Attachment 3 photo documentation

Details of: Indoor unit main PCB layout view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

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☐ top

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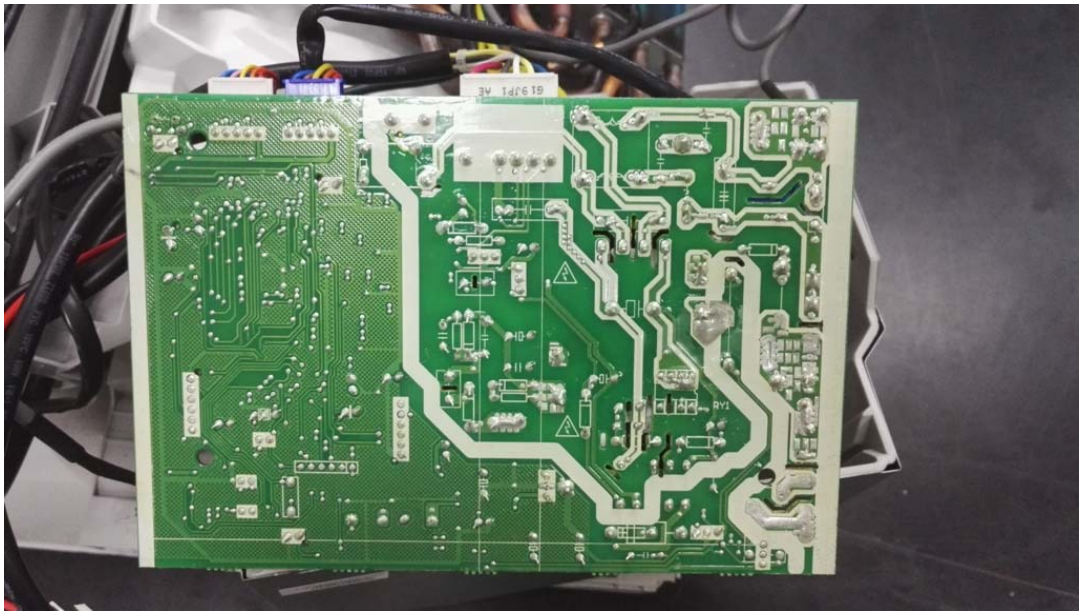

Details of: Indoor unit motor view of MSAFDU-24HRFNX-QRD0GW

View:

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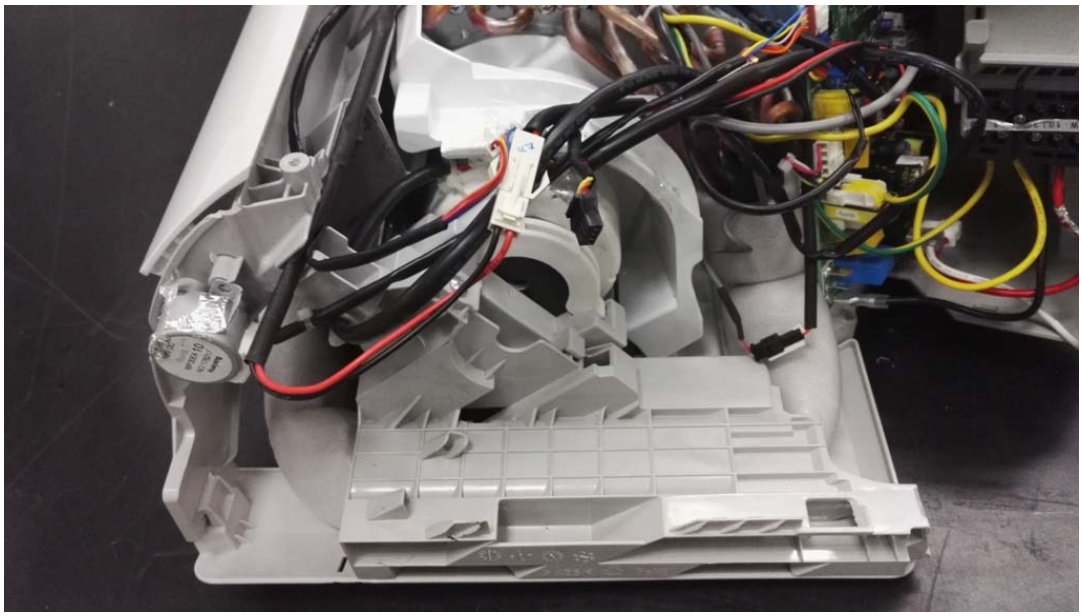

Attachment 3 photo documentation

Details of: Indoor unit main PCB box view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

☐ front

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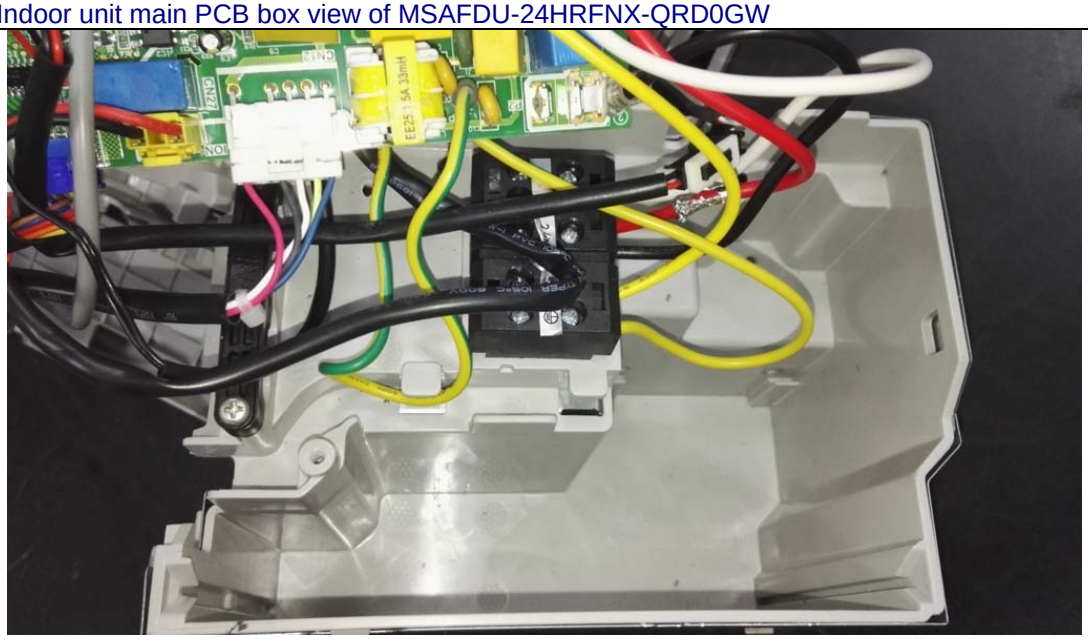

Details of: Indoor unit terminal block view of MSAFDU-24HRFNX-QRD0GW

View:

☒ general

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Attachment 3 photo documentation

Details of: Appearance of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

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Details of: Appearance of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

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Attachment 3 photo documentation

Details of: Appearance of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

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Details of: Appearance of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

☐ rear

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☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Appearance of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

☐ rear

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☐ bottom

Details of: Fan motor view of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

☐ rear

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☐ top

☐ bottom

Attachment 3 photo documentation

Details of: Fan motor view of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

☐ rear

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Details of: PCB view of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

☐ rear

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☐ top

☐ bottom

Attachment 3 photo documentation

Details of: PCB view of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

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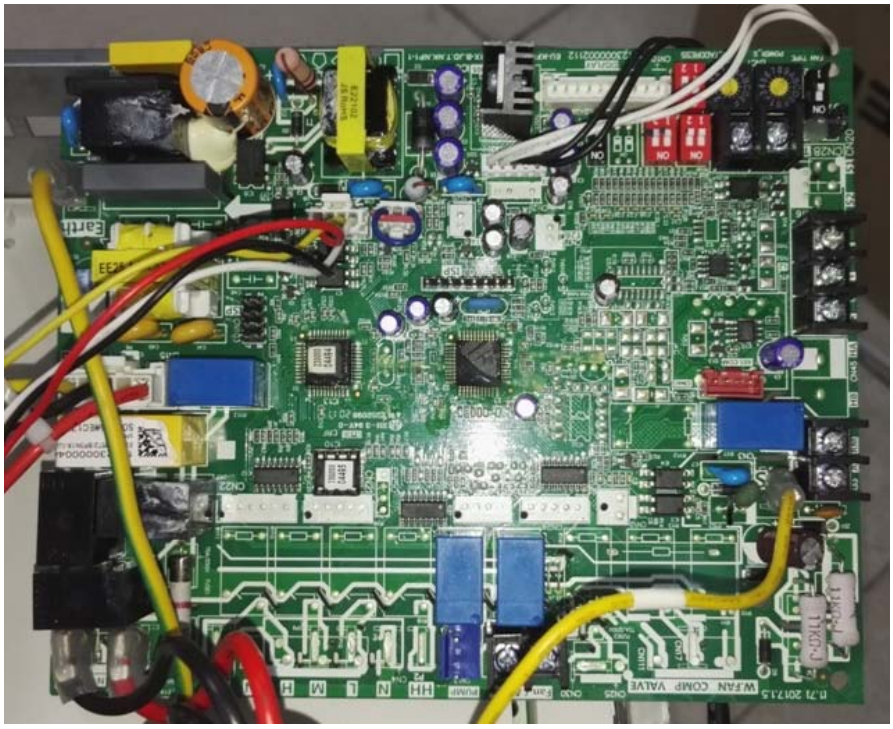

Details of: PCB layout view of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

☐ rear

☐ right

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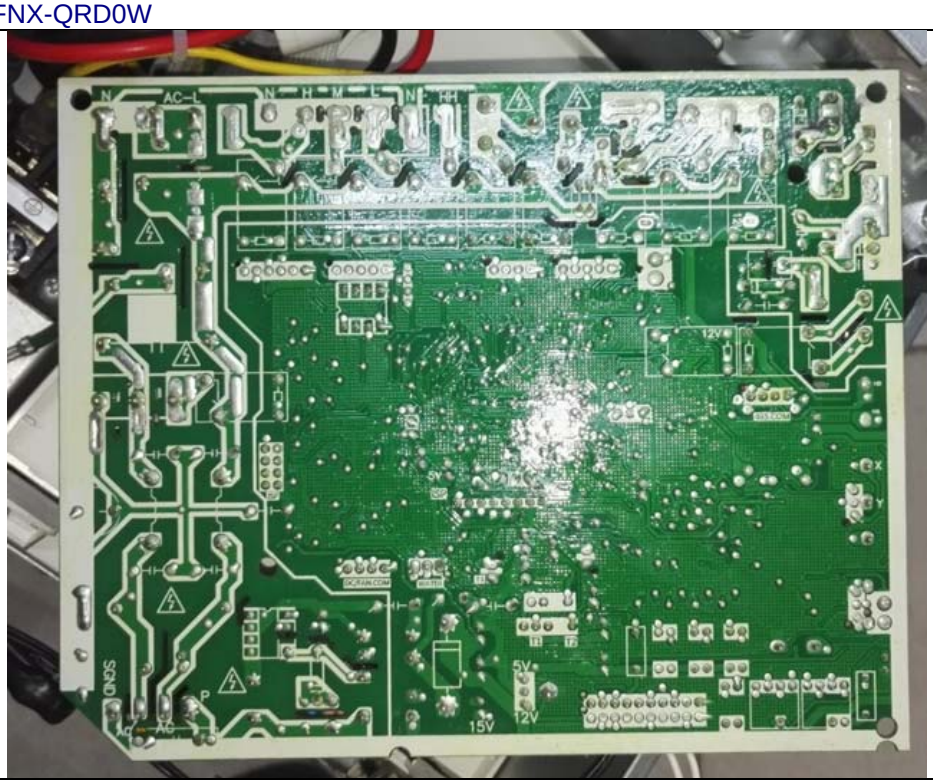


Attachment 3 photo documentation

Details of: Fan motor view of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

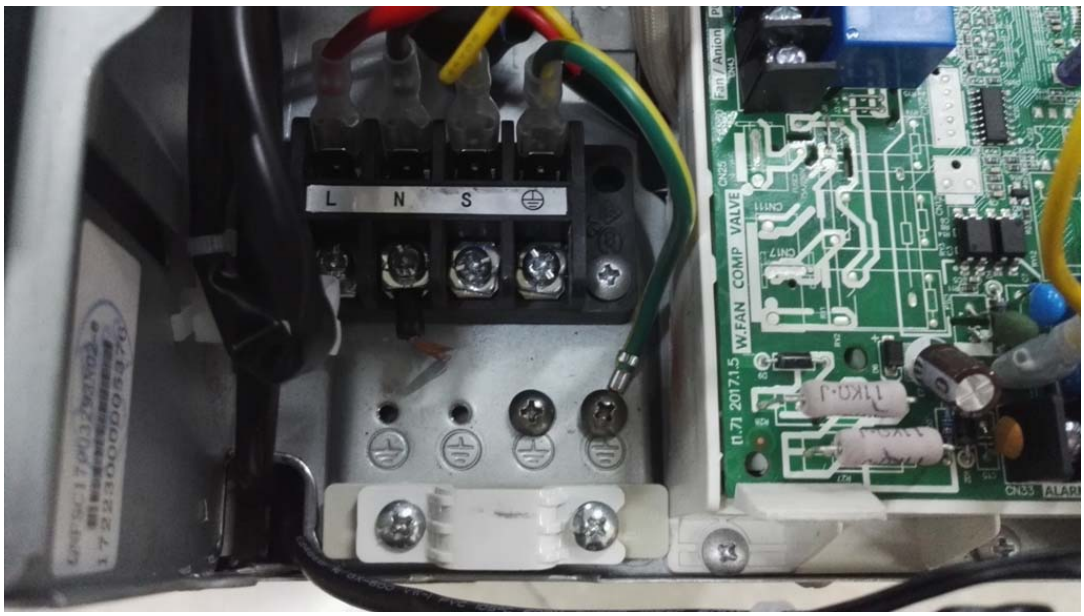
View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom

Details of: Terminal block and earthed terminal view of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

- ☒ general
- ☐ front
- ☐ rear
- ☐ right
- ☐ left
- ☐ top
- ☐ bottom



Attachment 3 photo documentation

Details of: Display PCB view of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

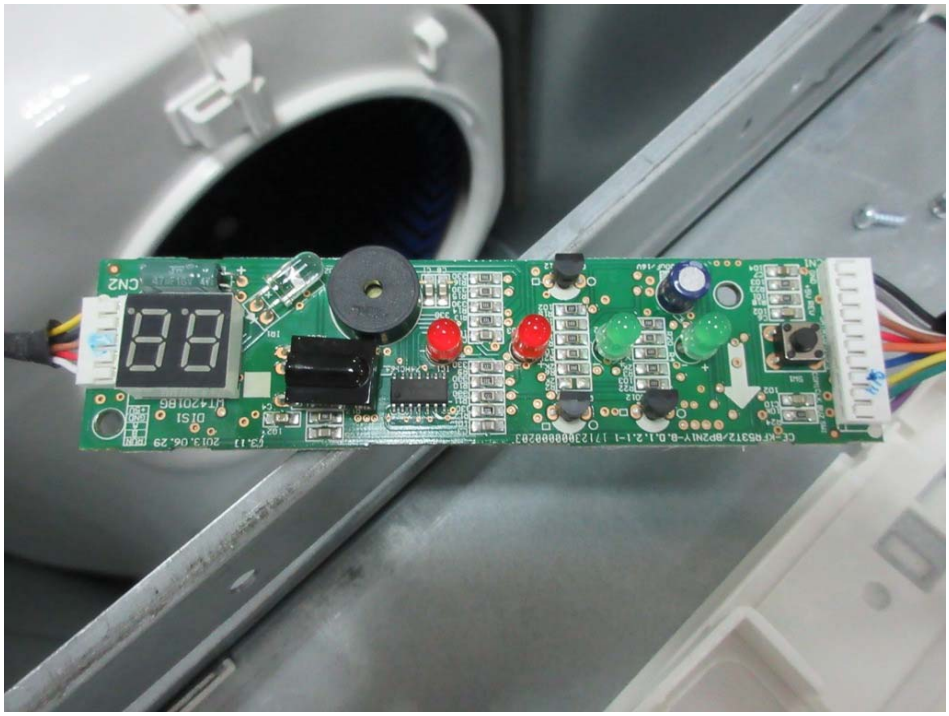
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Display PCB view of indoor unit MTIU-07HWFN1-QRD0W, MTIU-09HWFN1-QRD0W, MTIU-12HWFNX-QRD0W

View:

☒ general

☐ front

☐ rear

☐ right

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