

Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

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Applicant / Auftraggeber:	GD Midea Heating & Ventilating Equipment Co., Ltd. Penglai Industry Road, Beijiao, Shunde, 528311 Foshan, Guangdong, PEOPLE'S REPUBLIC OF CHINA.		
Manufacturer / Hersteller:	same as applicant		
Authorized person / Bevollmächtigter	Mr. Roy Lee		
Factory / Fertigungsstätte:	Same as applicant		
Type of equipment / Geräteart:	MONOBLOC HEAT PUMP		
Type/model / Typenbezeichnung:	See model list in next page		
Serial no. / Seriennr.:	N/A		
Rated voltage/frequency / Nennspannung/Frequenz:	380-415V, 3N~, 50Hz		
Rated input power/current / Nennaufnahme/Nennstrom:	See model list in next page		
Connection to water installation / Anschlussdaten-Wasser:	Yes		
Dimensions / Abmessungen [HxWxD / HxBxT]:	See installation and owner manual [mm³]		
Weight / Gewicht:	See nameplate [kg]		
Noise emission / Lärmemission:	<70 [dB(A)]		
Ambient temperature / Umgebungstemperatur	min.: -25	°C max.: 43	°C ☒
Operation / Einsatz:	< 2,000 m above sea level up to m	/ < 2.000 m üNN bis zu m	☒ ☐
Classification of installation and use /: Installation und Nutzung	Stationary Portable Hand-held Open-frame	Ortsfest Ortsveränderlich Handgerät Einbaugerät	☒ ☐ ☐ ☐
Protection class / Schutzklasse:	I: II: III:	PE-connection Double insulation SELV / internally powered	Schutzleiteranschluss Schutzisoliert Schutzkleinspannung / interne Stromversorgung
Degree of protection / Schutzart: /:	IP	IPX1 for BH45B/R, IP24 for other models	☒
Degree of pollution / Verschmutzungsgrad:	1 ☐	2 ☒	3 ☒ 4 ☐
Overvoltage category / Überspannungskategorie:	I ☐	II ☒	III ☐ IV ☐
Supply connection / Anschlussart:	Nondetachable cord Permanent connection Appliance inlet	Feste Anschlussleitung Fester Anschluss Gerätesteckvorrichtung	☐ ☒ ☐
Rated operation / Netzbetriebsart:	Continuous operation	Dauerbetrieb	☒

Test Report No. / Prüfbericht Nr.: 64.111.18.05280.03 Rev.00

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Intermittent operation
Short time operation

Aussetzbetrieb
Kurzzeitbetrieb

☐
☐

Additional information for Laser equipment, classification according to IEC/EN 60825

Zusätzliche Angaben für Laser, Klassifizierung nach IEC/EN 60825

Class / Klasse: N/A

Wavelength / Wellenlänge: N/A

Pulse duration / Pulsdauer: N/A

Model list:

Code	Model	Rate power input: (W)	Supplementary heater	Supplementary heater power input: (W)
A1	MHC-V12W/D2RN8	6500	N/A	N/A
A2	MHC-V14W/D2RN8	6500	N/A	N/A
A3	MHC-V16W/D2RN8	6500	N/A	N/A
A4	MHC-V12W/D2RN8-E	11000	√	4500
A5	MHC-V14W/D2RN8-E	11000	√	4500
A6	MHC-V16W/D2RN8-E	11000	√	4500
B1	Backup Heater: BH45B/R	4500	N/A	N/A
C1	MHC-V18W/D2RN8	10600	N/A	N/A
C2	MHC-V22W/D2RN8	12500	N/A	N/A
C3	MHC-V26W/D2RN8	13800	N/A	N/A
C4	MHC-V30W/D2RN8	14500	N/A	N/A

Safety relevant components: (switches, temperature regulators, heating elements, plugs, sockets, wiring, capacitors, motors and other components with windings e.g. transformers, coils, emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers, Software (Revision), housing parts, materials with contact to food etc.

Components for Functional Safety shall be listed in appropriate table.

The entry of safety relevant components into this table documents and confirms review of suitability and acceptance by the product specialist.

Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen, Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschranken, Sicherheitsventile, Programmierbare Steuerungen-SPS, hydraulische Steuerungen, pneumatische Steuerungen, Software (Revisionsstand), Gehäuseteile, Materialien mit Kontakt zu Lebensmitteln usw.

Komponenten für Funktionale Sicherheit müssen in die entsprechende Tabelle eingetragen werden.

Der Eintrag sicherheitsrelevanter Komponenten in die Übersicht dokumentiert und bestätigt die Überprüfung der Eignung und Freigabe durch den „Product Specialist“.

Safety relevant (critical) components / Sicherheitsrelevante (kritische) Komponenten

Kind of component / Bauteil	Manufacturer / Hersteller	Mechanical, electrical and chemical specification / Mechanische, elektrische und chemische Spezifikation			Test report and/or mark from / Prüfbericht und /oder -zeichen von
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
Below components for A1 to A6					

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Outdoor Fan motor	Panasonic Appliances Motor (Hangzhou) Co., Ltd	WZDK100-38G	DC380V; 100W; Class E	EN 60335-2-40	Tested with appliance
Alternative	Panasonic Motor (Hangzhou)Co.,Ltd	WZDK100-38G (EHDS80CKB)	DC380V; 100W; Class E	EN 60335-2-40	Tested with appliance
Alternative	Nidec Shibaura Corp	WZDK100-38G (SIC-71FW-F8100-1)	DC280-380V; 100W; Class E	EN 60335-2-40	Tested with appliance
Alternative	Guangdong Welling Motor Manufacturing Co., Ltd	WZDK100-38G (RD-310-100-8H)	DC380V; 100W; Class E	EN 60335-2-40	Tested with appliance
Compressor	Mitsubishi Electric (Guangzhou) Compressor Co., Ltd.	MVB42FCBMC	DC44-200V; 30-306Hz, Class E	EN 60335-1, EN 60335-2-34	TUV R 50329310
4-way valve	Zhejiang Dunan Precision Industries Group Co., Ltd.	DSF Series	AC220-240V; 50/60Hz; class B; Winding: 2310Ω (at 20°C)	EN 60730-1	VDE 40013212
Alternative	Foshan Hualu Automatic Controls Limited.	STF Series	AC220-240V; 50/60Hz; class B; Winding: 1434,5 (at 20°C)	EN 60730-1	VDE 40018984
Alternative	Zhejiang Sanhua Climate and Appliance Controls Group Co., Ltd.	SHF Series	AC220-240V; 50/60Hz; Class B; Winding: 2085Ω (at 20°C)	EN 60730-1	VDE 40003240
Alternative	Zhejiang Sanhua Climate and Appliance Controls Group Co., Ltd.	SHF(L) Series	AC220-240V; 50/60Hz; class B; Winding: 2085Ω (at 20°C)	EN 60730-1	VDE 40003240
Alternative	Zhejiang Sanhua Climate and Appliance Controls Group Co., Ltd.	SHF-20D-46-02(*)/SHF-4-10L3	AC220-240V; 50/60Hz; Class B; 4,5/3,5W	EN 60730-1	VDE 40003240
Electronic expansion valve	Zhejiang Sanhua Intelligent Controls Co., Ltd	DPF(TS6)2.4C-01/TS624C01	2.4mm-500P	EN 60335-2-40	Tested with appliance
Water flow switch	SIKA Dr. Siebert & Kühn GmbH & CO.KG	VK332M0MIDEA01	26VA/1A/230V~, 20W/1A/48V=	EN 60335-2-40	Tested with appliance
Alternative	ALEPH ELECTRONICS(SHEN ZHEN)CO.,LTD	OT-06-01	26VA/1A/230V~, 20W/1A/48V=	EN 60335-2-40	Tested with appliance
Alternative	Shanghai Fengshen Refrigeration Controls Co., Ltd	SLKG-14.5-29	0,5A; 100VDC	EN 60335-2-40	Tested with appliance
Reactance	Foshan Wei Ling electronics co., LTD	R0594	I=5A; 9,4mH±10%; class H	EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Deya Electrical Appliance Manufacturing Co. Ltd	R0594	I=5A; 9,4mH±10%; class H	EN 60335-2-40	Tested with appliance
Alternative	YUNLU ENERGY TECHNOLOGY CO. LTD	R0594	I=5A; 9,4mH±10%; class H	EN 60335-2-40	Tested with appliance
Alternative	Zhejiang zhengliang electronic and electrical co.,Ltd	R1230	I=12A; 3,0mH±10%; class H	EN 60335-2-40	Tested with appliance
Capacitor	Ningbo Shine Electrical Co., Ltd	CBB65A-1	560VAC; 50/60Hz; 15μF; T70; P1	EN 60252-1	TUV R 50014642

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Alternative	Ningbo Shine Electrical Co., Ltd	CBB65A	560VAC; 50/60Hz; 15µF; T70; P2	EN 60252-1	TUV R 50199650
Alternative	EPCOS (Anhui) Feida Electronics Co., Ltd.	CBB65A-1	560VAC; 50/60Hz; 15µF; T70; P1	EN 60252-1	TUV R 50049603
Alternative	Shanghai Haoye Electric Co., Ltd.	MKPS	560VAC; 50/60Hz; 15µF; T70; P2	EN 60252-1	TUV R 50035566
Alternative	Panasonic Electronic Devices Co., Ltd	SH	560VAC; 50/60Hz; 15µF; T70; P2	EN 60252-1	TUV 50145374
Alternative	Wuxi Hongguang Capacitor Co., Ltd	CBB65	560VAC; 50/60Hz; 15µF; T70; P2	EN 60252-1	VDE 40025028
Alternative	Shanghai Haoye Electric Co., Ltd.	MKPC	560VAC; 50/60Hz; 15µF; T70; P2	EN 60252-1	VDE 40007404
Alternative	Wuxi Hongguang Capacitor Co., Ltd.	CBB65A	450VAC; 50/60Hz; 15µF; T85; P2	EN 60252-1	TUV R 50198100
Alternative	Wuxi Hongguang Capacitor Co. Ltd.	CBB65	450VAC; 50/60Hz; 15µF; T70; S2	EN 60252-1	TUV R 50198120
Alternative	Anhui Feida Industry Stock Co., Ltd.	CBB65A-1	400VAC; 50/60Hz; 15µF; T70; P2	EN 60252-1	VDE 112776
Alternative	Shanghai Haoye Electric Co., Ltd.	MK	450VAC; 50/60Hz; 15µF; T70; P2	EN 60252-1	TUV R 50037189
Self-resetting thermal cut-out (for model MHC-V12W/D2RN8-E, MHC-V14W/D2RN8-E and MHC-V16W/D2RN8-E)	FOSHAN TONGBAO HUASHENG CONTROLLER Ltd	WYG85C-801	AC250V; 16A; Tf: 85°C	EN 60730-1, EN 60730-2-9	VDE 40024844
Alternative	Changzhou Foland Electrical Appliance Co., Ltd	WY-C85/ WY-E85	AC250V; 16A; Tf: 85°C	EN 60730-1, EN 60730-2-9	VDE 40024291
Alternative	Foshan City Jiulong Machine Co., Ltd	WY85-603-21A	AC250V; 16A; Tf: 85°C	EN 60730-1, EN 60730-2-9	VDE 40020065
Non-self-resetting thermal cut-out (for model MHC-V12W/D2RN8-E, MHC-V14W/D2RN8-E and MHC-V16W/D2RN8-E)	FOSHAN TONGBAO HUASHENG CONTROLLER Ltd	WQB95G-T	AC250V; 20A; Tf: 95°C	EN 60730-1, EN 60730-2-9	VDE 40011890
Alternative	Changzhou Foland Electrical Appliance Co., Ltd	WY-S 95	AC250V; 20A; Tf: 95°C	EN 60730-1, EN 60730-2-9	VDE 40024291
Alternative	Foshan City Jiulong Machine Co., Ltd	WQS95-223	AC250V; 20A; Tf: 95°C	EN 60730-1, EN 60730-2-9	CB 0043975
Water Pump	WILO SE	RS25/7.5-RKC	Rated Voltage: 230V; 50/60Hz; Rated Power: 4-75W±10%; Class F	EN 60335-1, EN 60335-2-51	VDE 40034309
Alternative	WILO SE	YONOS PAPA HF 25/10 (inside motor model: 24/150)	Rated Voltage: 230V; 50/60Hz; Rated Power: 5-190W; IPX4; Class F	EN 60335-1, EN 60335-2-51	VDE 40036722
Electrical heating element	Hangzhou Heatwell CO., LTD	HEAT WATER	230V; 3x1500W	EN 60335-2-40	Tested with appliance

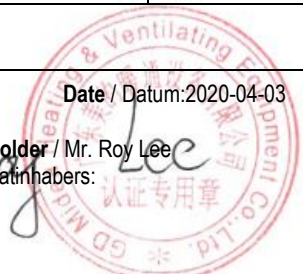
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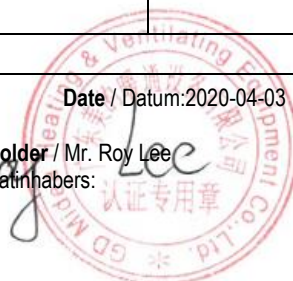
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Alternative	Changzhou Thermoster Electrical Appliance Co.,Ltd.	HEAT WATER	230V; 3x1500W	EN 60335-2-40	Tested with appliance
Terminal block I	Hoppy Industrial Co.,Ltd	HP Series	250V; 2,5mm ²	EN 60335-2-40	Tested with appliance & TUV R 50019860
Alternative	HOPPY Electronics Co., Ltd	T4002	250VAC; 2,5mm ²	EN 60335-2-40,	Tested with appliance
Terminal block II	Zhongshan Shi Jointec Electronics Co., Ltd.,	RS9102-3	450VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9102 -5	600VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9102	450VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Changzhou Changheng Kaidu Electric Products Co., Ltd.	JX-O-3	600VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Changzhou Changheng Kaidu Electric Products Co., Ltd.	JX-O-4	600VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Changzhou Changheng Kaidu Electric Products Co.,Ltd.	JXO-5	600VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co.,Ltd.	YF2002-3B5	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co., Ltd.	YF2002-5B13	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co.,Ltd.	YF2002	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co.,Ltd.	YF2002-4B2	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	HuangZhong Electrical Equipment Co.,Ltd. of Shunde,Foshan	ET1001-5P-11AR	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	HuangZhong Electrical Equipment Co.,Ltd. of Shunde,Foshan	ET1001-3P-4AR	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co.,Ltd.	JXZ-AG5ZG1-A	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Hoppy industrial Co.,Ltd	JXZ-AG5ZG1-A	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Terminal block III	HuangZhong Electrical Equipment Co.,Ltd.of Shunde,Foshan	2U(26)R	250VAC; 2,5mm ²	EN 60335-2-40	Tested with appliance

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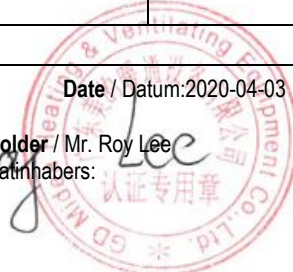
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Terminal block IV	Foshan Shunde Yuanfeng Metal Electrical Appliances CO., Ltd.	YF2001-3B32	660VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances CO., Ltd.	YF2001	660VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Changzhou Changheng Kaidu Electric Products Co., Ltd.	JXO-3B	450VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Changzhou Kaidu Electrical Co.Ltd	JXO-3B	450VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances CO., Ltd.	YF2003	450VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Terminal block V	Changzhou Changheng Kaidu Electric Products Co., Ltd.	JXO-4B	450VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances CO., Ltd.	YF2001	4,0mm ² ; 660VAC	EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9101	660VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Terminal block VI	Changzhou Kaidu Electrical Co.Ltd	JXO	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Changzhou Kaidu Electrical Co.Ltd	JXO-3	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances CO., Ltd.	YF2002	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances CO., Ltd.	YF2002-3B5	660VAC; 10mm ²	EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9102	660VAC; 10mm ²	EN 60335-2-40, EN 60998-1	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9102-3	660VAC; 10mm ²	EN 60335-2-40, EN 60998-1	Tested with appliance
Terminal block VII	Foshan Shunde Yuanfeng Metal Electrical Appliances CO., Ltd.	YF2001	660VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances CO., Ltd.	YF2001-4D6	660VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Changzhou Kaidu Electrical Co.Ltd	JXO-4B	450VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9101-4	450VAC; 4mm ²	EN 60335-2-40	Tested with appliance

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Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9101-4D	450VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co., Ltd.	JXZ-AZ3ZG1-A	450VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Alternative	Hoppy industrial Co., Ltd.	JXZ-AZ3ZG1-A	450VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Terminal block VIII	Hoppy Industrial Co., Ltd.	HP-T3045	450VAC; 1,5mm ²	EN 60335-2-40	Tested with appliance
Circuit breaker	ABB LV Installation Materials Co., Ltd. Beijing	S202M-C32	AC400V; In32A	EN 60898-1	VDE 40028697
Crank compressor heater	Jiangyin Huayi Electrical Co., Ltd.	DJRD Series	Rated Voltage: 220VAC; Rated Power: 40W±7%; Resistance: 1210±7%Ω(20°C)	EN 60335-2-40	Tested with appliance
Alternative	Anhui Dubang Electrical Product Co., Ltd.	DJRD Series	Rated Voltage: 220VAC; Rated Power: 40W±7%; Resistance: 1210±7%Ω(20°C)	EN 60335-2-40	Tested with appliance
Vent valve heater	Jiangyin Huayi Electrical Co., Ltd.	DJRD Series	Rated Voltage: 220VAC; Rated Power: 15W±7%; Resistance: 3226±7%Ω(20°C)	EN 60335-2-40	Tested with appliance
Alternative	Anhui Dubang Electrical Product Co., Ltd.	DJRD Series	Rated Voltage: 220VAC; Rated Power: 15W±7%; Resistance: 3226±7%Ω(20°C)	EN 60335-2-40	Tested with appliance
Pressure-difference valve heater	Jiangyin Huayi Electrical Co., Ltd.	DJRD Series	Rated Voltage: 220VAC; Rated Power: 15W±7%; Resistance: 3226±7%Ω(20°C)	EN 60335-2-40	Tested with appliance
Alternative	Anhui Dubang Electrical Product Co., Ltd.	DJRD Series	Rated Voltage: 220VAC; Rated Power: 15W±7%; Resistance: 3226±7%Ω(20°C)	EN 60335-2-40	Tested with appliance
Plate exchanger heater	Jiangyin Huayi Electrical Co., Ltd.	DJRD Series	Rated Voltage: 220VAC; Rated Power: 25W±7%; Resistance: 1936±7%Ω(20°C)	EN 60335-2-40	Tested with appliance
Alternative	Anhui Dubang Electrical Product Co., Ltd.	DJRD Series	Rated Voltage: 220VAC; Rated Power: 25W±7%; Resistance: 1936±7%Ω(20°C)	EN 60335-2-40	Tested with appliance
AC contactor	Togami Control	PAK-20J	Ui =690VAC; Ith=32A	EN 60947-1, EN 60947-4-1	TUV B 13 04 84309 02
Alternative	Zhejiang Chint Electrics, Co., Ltd.	NC1-1801	Ui =690VAC; Ith=32A	EN 60947-1, EN 60947-4-1	VDE 40003476
Alternative	Guilin Machine Tools Electrical, Appliance Limited Company	GC3-18	Ui =690VAC; Ith=26A	EN 60947-1, EN 60947-4-1	TUV R 50091562
Alternative	ABB Xinhui Low Voltage Switchgear Co., Ltd.	A26D -30-01(G) (A26D)	Ui =690VAC; Ith=30A	EN 60947-1, EN 60947-4-1	TUV R 50056172
Alternative	XIAMEN HONGFA ELECTRICAL SAFETY & CONTROLS CO., LTD.	XMC0-258	Ui =690VAC; Ith=32A	EN 60947-1, EN 60947-4-1	TUV R 50196966
Alternative	ZHEJIANG CHINT ELECTRICS CO., LTD.	NC1-2501	Ui =690VAC; Ith=40A	EN 60947-1, EN 60947-4-1	VDE 40003476
Internal wire 1	YUEQING GUOXIN ELECTRIC WIRE FACTORY	UL1015	AWG12-20; 600VAC; 105°C,	EN 60335-2-40	Tested with appliance & UL E247528

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Alternative	Zhongshan Yongrui Electric Wire Co.,Ltd	UL1015	AWG12-20; 600VAC; 105°C,	EN 60335-2-40	Tested with appliance
Alternative	Foshan City Hong Cheng Electronical Co., Ltd.	UL1015	AWG12-20#, 600VAC; 105°C,	EN 60335-2-40	Tested with appliance
Internal wire 2	FOSHAN SHUNDE ZHANLIANG INDUSTRIALIST , CO LTD	UL1007	AWG16-22; 300VAC; 80°C,	EN 60335-2-40	Tested with appliance & UL E330864
Alternative	Zhongshan Yongrui Electric Wire Co.,Ltd	UL1007	AWG16-22; 300VAC; 80°C,	EN 60335-2-40	Tested with appliance
Internal wire 3	QIFURUI ELECTRONICS CO	UL3321	AWG10-14; 600VAC; 150°C	EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Yongrui Electric Wire Co.,Ltd	UL3321	AWG10-14; 600VAC; 150°C	EN 60335-2-40	Tested with appliance
PCB Material	Xingda Printed Circuit Board Mfr.	XD-102	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E193079
Alternative	Wuzhou Circuit Group Co., Ltd	WZ-6	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E170968
Alternative	Shenzhen Grandwork Electronics Co., Ltd.	J-1	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E246366
Alternative	Shunde Junda Electronic Co., Ltd	JD-D1/JD-D	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E173873
Alternative	BAOYUEJIA ELECTRONICS (ZHONGSHAN) CO., LTD	BYJ-3	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E230225
Alternative	CALI—TECH ELECTRONICS, COPANY LIMITED	CT-101/ CT-101A	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E216635
Alternative	Hui Zhou Xingzhiguang Technology Co.,Ltd	XZG-P1	94-V0; double layer; 150°C,	EN 60335-2-40	Tested with appliance & UL E246887
Alternative	HAIYA PCB CO., LTD	C2	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E198946
Alternative	GUANGDONG SHENGYI SCI.TECH	S3110/S1141	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E109769
Alternative	Doosan Corporation Electro-Material Bg.	DS-7106	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E103670
Alternative	Zhuhai Jointek Electric Co., Ltd.	JK-004	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E221485
Alternative	NAN YA PLASTICS CORPORATION	SN-L4	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E213990
Alternative	KINGBOARD LAMINATES LTD	KB6150/KB6160/KB5150	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E123995
Alternative	CHANGZHOU HAIHONG ELECTRONICS CO.,LTD	HDCEM1	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E166702
Alternative	CHANGZHOU AOHONG ELECTRONICS CO.,LTD	ILM-R1/GEM-R1##	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E303981
Alternative	Hubei Hypersonic Electronics Co.,Ltd	CYS-01	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E306317
Alternative	CHANGZHOU HENGLIN RADIO FACTORY CO.,LTD	HD-4/HD-5	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E174651

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Alternative	CHANG CHUN PLASTICS CO.,LTD	CCP-508/CCP-3400	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E108591
Alternative	INTERNATIONAL LAMINATE MATERIAL LTD	ILM-R1	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E134893
Alternative	TAT CHUN PRINTED CIRCUIT BOARD CO LTD	TC-2B	94-V0; double layer; 130°C,	EN 60335-2-40	Tested with appliance & UL E131175
Alternative	Ronghui Electronics (Huizhou) Co., Ltd	RH-3	FR-4; 94 V-0, thickness:1,6mm, 2,0mm	EN 60335-2-40	Tested with appliance
Alternative	GUANGDONG CHAOHUA TECHNOLOGY CO., LTD	C-102 or C-103/ C-104 or C-105	94 V-0, thickness: 1,6mm,	EN 60335-2-40	Tested with appliance & UL E231151
Alternative	CALI—TECH ELECTRONICS COPANY LIMITED	CT-101, CT-101A	94V-0; 130°C,	EN 60335-2-40	Tested with appliance & UL E216635
Alternative	HUIZHOU XINGZHIGUANG TECHNOLOGY CO LTD	XZG-P1	94V-0; 130°C,	EN 60335-2-40	Tested with appliance & UL E246887
Alternative	SHENZHEN GAINBASE P.C.B.CO.,LTD.	GB-11B	94V-0; 130°C,	EN 60335-2-40	Tested with appliance & UL E122351
Alternative	Techwise(Fogang) Circuits Limited	TF	94V-0; 130-170°C,	EN 60335-2-40	Tested with appliance & UL E311922
Alternative	Victory Giant Technology (HUIZHOU) CO., Ltd.	SH	94V-0; 130-180°C,	EN 60335-2-40	Tested with appliance & UL E248779
Alternative	Ellington (Zhongshan) Multilayer Circuit Board Co. Ltd	ETON	94V-0; 130°C,	EN 60335-2-40	Tested with appliance & UL E213441
Alternative	NIPPON(BOLUO)ELE CTRONICS CO.,LTD	D2	94 V-0; 130°C; Thickness:0,8-3,2mm;	EN 60335-2-40	Tested with appliance & UL E56327
Alternative	Kunshan Rex Electronic Technology Co., Ltd.	REX-1/REX-2/ REX-3	94-V0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E334460
Pressure switch, (High)	Shanghai Junle Refrigeration Control Co., Ltd.	H20PS	250VAC; 2,9A; 1E5; T65; On: 3,2MPa; Break: 4,2MPa	EN 60730-1, EN 60730-2-6, EN 12263	VDE 40018686 & HPV/P1001-008-03
Alternative	Changzhou Match-well Pressure Control Technique Co., Ltd.	YK Series	250VAC; 6A; 1E4; T85; On: 3,2MPa; Break: 4,2MPa	EN 60730-1, EN 60730-2-6, EN 12263	VDE 40000571 & TUV 01 202 CHN/Q-13 0504
Pressure switch, (Low)	Shanghai Junle Refrigeration Control Co., Ltd.	H20PS	250VAC; 2,9A; 1E5; T65; On: 0,3MPa; Break: 0,14MPa	EN 60730-1, EN 60730-2-6, EN 12263	VDE 40018686 & HPV/P1001-008-03
Alternative	Changzhou Match-well Pressure Control Technique Co., Ltd.	YK Series	250VAC; 6A; 1E4; T85; On: 0,3MPa; Break: 0,14MPa	EN 60730-1, EN 60730-2-6, EN 12263	VDE 40000571 & TUV 01 202 CHN/Q-13 0504
Refrigerant tube	fujian jingye tube Co.,Ltd	-	φ22-φ32; TP2M	EN 60335-2-40	Tested with appliance
Alternative	Hailiang Alltop Tube Guangdong Co.,Ltd.	-	φ9.52; TP2M	EN 60335-2-40	Tested with appliance
Alternative	Guangdong Longfeng Precise Copper Tube Co.,Ltd	-	φ4.9- φ19; TP2M	EN 60335-2-40	Tested with appliance

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Alternative	chongqing wanzhou golden dragon copper tube sales company	-	φ4.9- φ32; TP2M	EN 60335-2-40	Tested with appliance
Alternative	CNMC ALBETTER ALBRONZE CO.,LTD	-	φ4.9- φ12.7; TP2M	EN 60335-2-40	Tested with appliance
Alternative	foshan shunde wupeng tube Co.,Ltd	-	φ2.5- φ5; TP2M	EN 60335-2-40	Tested with appliance
Alternative	chongqing wanzhou golden dragon copper tube sales company	-	φ2.5- φ5; TP2M	EN 60335-2-40	Tested with appliance
Water tube	fujian jingye tube Co.,Ltd	-	φ 22-φ32; TP2M	EN 60335-2-40	Tested with appliance
Alternative	Hailiang Alltop Tube Guangdong Co.,Ltd.	-	φ 9.52; TP2M	EN 60335-2-40	Tested with appliance
Alternative	Guangdong Longfeng Precise Copper Tube Co.,Ltd	-	φ4.9- φ19; TP2M	EN 60335-2-40	Tested with appliance
Alternative	chongqing wanzhou golden dragon copper tube sales company	-	φ4.9- φ32; TP2M	EN 60335-2-40	Tested with appliance
Alternative	CNMC ALBETTER ALBRONZE CO.,LTD	-	φ4.9- φ12.7; TP2M	EN 60335-2-40	Tested with appliance
Alternative	foshan shunde wupeng tube Co.,Ltd	-	φ2.5- φ5; TP2M	EN 60335-2-40	Tested with appliance
Alternative	chongqing wanzhou golden dragon copper tube sales company	-	φ2.5- φ5; TP2M	EN 60335-2-40	Tested with appliance
Suction accumulator	Dongguan Qingxin'an Refrigerator Fittings Co.,Ltd	QYFLQ-54V(A)	3.7L, 26Bar(34Bar),Max 135℃	EN 14276-1	HPiVS/P1001-275-Q-03
Components on main control board for all models.					
Main Control Board I	GD Midea Air-Conditioning Equipment Co., Ltd	V-EOK160-SNX-A.1-1	220-240V; 50Hz	EN 60335-2-40	Tested with appliance
Transformer 1	WANXIN ELECTRONIC & ELECTRICAL CO.,LTD	TT2-B35+D90-1F (TY Series)	Input: 220-240VAC; 50/60Hz; Output 1: 9VAC; 350mA; Output 2: 13.5VAC; 900mA; Class B	EN 60335-2-40	Tested with appliance
Alternative	Shunde Zhanliang Ind. Co., Ltd.	TT2-B35+D90-1F (EI57×30)	Input: 220-240VAC; 50/60Hz; Output 1: 9VAC; 350mA; Output 2: 13.5VAC; 900mA; Class B	EN 60335-2-40	Tested with appliance
Alternative	Dongguan City Yingju, Electronics, Co.,Ltd	TT2-B35+D90-1F (YJ, Series)	Input: 220-240VAC; 50/60Hz; Output 1: 9VAC; 350mA; Output 2: 13.5VAC; 900mA; Class B	EN 60335-2-40	Tested with appliance
Alternative	Dongguan Yinli Electronics, Co.,Ltd	TT2-B35+D90-1F, (YLB Series)	Input: 220-240VAC; 50/60Hz; Output 1: 9VAC; 350mA; Output 2: 13.5VAC; 900mA; Class B	EN 60335-2-40	Tested with appliance
Alternative	DAZHONG ELECTRONIC CO.,LTD	TT2-B35+D90-1F, (EI57×30)	Input: 220-240VAC; 50/60Hz; Output 1: 9VAC; 350mA; Output 2: 13.5VAC; 900mA; Class B	EN 60335-2-40	Tested with appliance
Alternative	Xiamen Zettler Magnetics Co.,Ltd	XZM-LE5730003 (TT220-EI57-13.5/90+9/35-F1)	Input: 220-240VAC; 50/60Hz; Output 1: 9VAC; 350mA; Output 2: 13.5VAC; 900mA; Class B	EN 60335-2-40	Tested with appliance
Thermal link in transformer	Xiamen Set Electronics Co., Ltd.	K7	AC 250V; 2A; Tf:150℃	EN 60691	VDE 40017055

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Alternative	AUPO ELECTRONICS LTD.	A8	AC 250V; 2A; Tf:150°C	EN 60691	VDE 40008720
Alternative	Honghu Blueight Electronic Co., Ltd.	RH150-2	AC 250V; 2A; Tf:150°C	EN 60691	VDE 40019233
Transformer 2	CNT ELECTRONICS	E28093	Input Voltage: 100-375VDC; 0,8Ω±20% (20°C); Class B	EN 60335-2-40	Tested with appliance
Alternative	HUI ZHOU JIA YANG CORE NEW-TEC HCO.,LTD	E28093	Input Voltage:100-375VDC; 0,8Ω±20% (20°C); Class B	EN 60335-2-40	Tested with appliance
Alternative	ZHONGSHAN COIN ELECTRONICS CO.,LTD	E28093	Input Voltage:100-375VDC; 0,8Ω±20% (20°C); Class B	EN 60335-2-40	Tested with appliance
Alternative	Maanshan Coiner Electronics Co.,Ltd.	E28093	Input Voltage:100-375VDC; 0,8Ω±20% (20°C); Class B	EN 60335-2-40	Tested with appliance
Transformer 3	Shunde Zhanliang Ind. Co., Ltd	TC220-EI28-2.42	Input: 220VAC; 50Hz; Output: 2,42VAC; 0,01A; Class B	EN 60335-2-40	Tested with appliance
Alternative	Dongguan City Yingju, Electronics Co., Ltd	TC220-EI28-2.42	Input: 220VAC; 50Hz; Output: 2,42VAC; 0,01A; Class B	EN 60335-2-40	Tested with appliance
Alternative	Xiamen Zettler Magnetics Co.,Ltd	TC220-EI28-2.42	Input: 220VAC; 50Hz; Output: 2,42VAC; 0,01A; Class B	EN 60335-2-40	Tested with appliance
Alternative	Maanshan Coiner Electronics Co., Ltd.	TD-0.5-1	Input: 220VAC; 50Hz; Output: 2,42VAC; 0,01A; Class B	EN 60335-2-40	Tested with appliance
Alternative	Xiamen Zettler Magnetics Co.,Ltd	XZM-LE281505 (TC220-EI28-2.42/1-2)	Input: 220VAC; 50Hz; Output: 2,42VAC; 0,01A; Class B	EN 60335-2-40	Tested with appliance
Fuse	Hollyland (China) Electronics Technology Co., Ltd	50CT T5AH 250V	250VAC; 5A; 5mmx20mm; H; time-lag	EN 60127-1, EN 60127-2	VDE 40014896
Alternative	DongGuan Better Electronics Technology Co., Ltd.	524-5A/250V	250VAC; 5A; 5mmx20mm; H; time-lag	EN 60127-1, EN 60127-2	VDE 40025424
Relay I	Sanyou Corporation Limited	SJ-SH-112DM2	250VAC; 5A; Ex, mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15, GB 3836.1, GB 3836.8	VDE 40002146 & CNEx15.1521U
Alternative	Tyco Electronics(Shenzhen) Co., Ltd	OJE-SH-112DM	250VAC; 5A; Ex, mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15, GB 3836.1, GB 3836.8	VDE 40007630 & CNEx15.1112U
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD	MPD-S-112-A	250VAC; 5A; Ex, mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-0, IEC 60079-15	TUV R 50204088 & TUV AK 50396767 0001
Alternative	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	250VAC; 5A; Ex, mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15, GB 3836.1, GB 3836.8	TUV R 50174892 & CNEx15.0486U
Relay II	Sanyou Corporation Limited	SJ-SH-112DMH2	250VAC; 10A; Ex mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15, GB 3836.1, GB 3836.8	VDE 40002146 & CNEx15.1521U
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD	MPD-S-112-A	250VAC; 10A; Ex mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-0, IEC 60079-15	TUV R 50184948 & TUV AK 50410084 0001
Alternative	Dongguan Churod Electronics Co., Ltd.	A1-S-112HAF	250VAC; 10A; Ex mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15, GB 3836.1, GB 3836.8	TUV R 50174892 & CNEx15.0486U
X2 Capacitor I	Xiamen Faratronic Co. Ltd.	MKP61	0,47μF; 275VAC; T100	EN 60384-14	VDE 40007424

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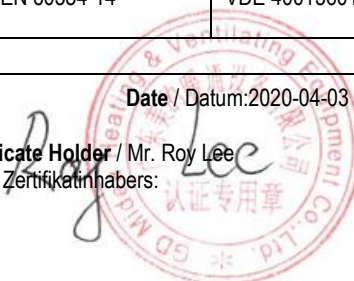
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Alternative	Shunde Da Hua Electric Co., Ltd	HD Series	0,47µF; 275VAC; T100	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi, Enterprise Co., Ltd	HQX Series	0,47µF; 275VAC; T100	EN 60384-14	VDE 40015608
Alternative	Jimson Electronics(Xia Men)Co.,Ltd	MKP Series	0,47µF; 275VAC; T100	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP62	0,47µF; 275VAC; T100	EN 60384-14	VDE 40000358
Alternative	ULTRA TECH XIPHI ENTERPRISE CO LTD	HQX/ HCR/ HQXR	0,47µF; 275VAC; T100	EN 60384-14	VDE 40024534
X2 capacitor II	Xiamen Faratronic Co. Ltd.	MKP62	0,1µF; 275VAC; T100	EN 60384-14	VDE 40000358
Alternative	Shunde Da Hua Electric Co., Ltd	HD Series	0,1µF; 275VAC; T100	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi Enterprise Co., Ltd	HQX Series	0,1µF; 275VAC; T100	EN 60384-14	VDE 40024534
Alternative	Jimson Electronics (Xia Men) Co., Ltd.	MKP Series	0,1µF; 275VAC; T100	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP61	0,1µF; 275VAC; T100	EN 60384-14	VDE 40007424
Alternative	ANHUI XINYANG ELECTRONICS CO., LTD.	MPX/MPK/MKP	0,1µF; 275VAC; T100	EN 60384-14	VDE 40024537
Alternative	EPCOS (Zhuhai FTZ) Co., Ltd.	B3292#	0,1µF; 305VAC; T105	EN 60384-14	VDE 40010694
Alternative	Foshan City Xin Yuan Electronic Co., Ltd	MKP-X2	0,1µF; 275VAC; T100	EN 60384-14	VDE 40027433
Optocoupler	Sharp Corporation Electronic Components Grop	PC817	T100	EN 60747-5-5	VDE 40008087
Alternative	Fairchild semiconductor Pte LTD	FOD817	Thicknes through insulation>0,4mm; Operating temperature range:-55-110; Maximum transient isolation voltage:8000V	EN 60747-5-5	VDE 40026857
Alternative	Lite-on Technology Corporation	LTV-816	Thicknes through insulation>0,4mm; Operating temperature range:-55-110; Maximum transient isolation voltage:8000V	EN 60747-5-5	VDE 40015248
Alternative	EVERLIGHT ELECTRONICS CO LTD	EL816	5000 vac isolation Operating temperature range: -55-110	EN 60747-5-5	VDE 132249
Alternative	CHANGZHOU GALAXY CENTURY MICRO-ELECTRONICS CO LTD	BL817	Operating temperature range:-30-100; transient isolation voltage: 5000V	EN 60747-5-5	VDE 40034140
Alternative	Toshiba Electronic Devices	LTL385	Thicknes through insulation>0,4mm; Operating temperature range:-55-110; transient isolation voltage: 5000V	EN 60747-5-5	VDE 40040216
Y capacitor on main PCB	Kunshan Wansheng, Electronics Co., Ltd.	CT7	250VAC; 4700pF; T85; Y2	EN 60384-14	VDE 40017735
Alternative	Haohua Electronic Co., Ltd.	CT7	250VAC; 4700pF; T125; Y2	EN 60384-14	VDE 40013601

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Alternative	NanJing Yuyue Electronics Co., Ltd.	CT7	250VAC; 4700pF; T85; Y2	EN 60384-14	VDE 40008013
Alternative	Xiamen Wanming, Electronics Co., Ltd.	HM	250VAC; 4700pF; T85; Y2	EN 60384-14	VDE 40000263
Alternative	FENGHUA ADVANCED TECHNOLOGY (HOLDING) CO; LTD	CT7	250VAC; 4700pF; T85; Y2	EN 60384-14	VDE 40013869
Electrolytic Capacitor	HUNAN AIHUA GROUP CO.,LTD	LQ	560uF; 450VDC; 85°C,	EN 60335-2-40	Tested with appliance
Main Control Board II					
Main Control Board II	GD Midea Air-Conditioning Equipment Co., Ltd	R-WSL120-DXX-A[AC128].1-1	--	EN 60335-2-40	Tested with appliance
Relay I	Sanyou Corporation Limited	SRB-SH-112DM2	5A; 277VAC; Ex mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15, GB 3836.1, GB 3836.8	VDE 40033402 & CEEEx15.1523U
Alternative	Tyco Electronics(Shenzhen) Co., Ltd	PCJ-112D3MH-WG	5A; 250VAC; Ex mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15, GB 3836.1, GB 3836.8	VDE 40009151 & CNEEx16.3073U
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD	MPR-S-112-A	5A; 250VAC; Ex mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15	TUV R 50217035 & TUV AK 50396773 0001
Alternative	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; Ex mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15, GB 3836.1, GB 3836.8	TUV R 50196152 & CNEEx13.4324X
Relay II	Sanyou Corporation Limited	SRD-SH-112D2	250VAC; 10A; T mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-15, GB 3836.1, GB 3836.8	VDE 40034479 & PCEC CE15.1305U
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD	MPA-S-112-C	250VAC; 10A; T mark: 85°C; 100000 cycles	EN 61810-1, IEC 60079-0, IEC 60079-15	TUV R 50184948 & TUV AK 50410084 0001
Fuse	Hollyland (China) Electronics Technology Co., Ltd	50CT T5AH 250V	250VAC; 5A; 5mmx20mm; H; time-lag	EN 60127-1, EN 60127-2	VDE 40014896
Alternative	DongGuan Better Electronics Technology Co., Ltd.	524-5A/250V	250VAC; 5A; 5mmx20mm; H; time-lag	EN 60127-1, EN 60127-2	VDE 40025424
Varistor	SHENZHEN CHENJU ELECTRONIC TECHNOLOGY CO., LTD	CNJU14D681K-K	680V; 120A; T85	EN 61051-1, EN 61051-2	VDE 40008220
Alternative	SHENZHEN CHENJU ELECTRONIC TECHNOLOGY CO., LTD	CNJU14D681KM	680V; 120A; T85	EN 61051-1, EN 61051-2	VDE 40008220
Alternative	GUANGXI NEW FUTURE INFORMATION INDUSTRY CO., LTD.	NFC14D681KM	680V; 120A; T85	EN 61051-1, EN 61051-2	VDE 40030322
Alternative	NANJING SHAGON ELECTRONICS CO.,LTD.	MYG14K681N	680V; 120A; T85	EN 61051-1, EN 61051-2	CQC 09001033923

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Optocoupler	Sharp Corporation Electronic Components Grop	PC817	T100°C	EN 60747-5-5	VDE 40008087
Alternative	Fairchild semiconductor Pte LTD	FOD817	Thicknes through insulation>0,4mm; Operating temperature range:-55-110; Maximum transient isolation voltage:8000V	EN 60747-5-5	VDE 40026857
Alternative	Lite-on Technology Corporation	LTV-816	Thicknes through insulation>0,4mm; Operating temperature range:-55-110; Maximum transient isolation voltage:8000V	EN 60747-5-5	VDE 40015248
Alternative	EVERLIGHT ELECTRONICS CO LTD	EL816	5000 vac isolation Operating temperature range: -55-110	EN 60747-5-5	VDE 132249
Alternative	CHANGZHOU GALAXY CENTURY MICRO- ELECTRONICS CO LTD	BL817	Operating temperature range:-30- 100; transient isolation voltage: 5000V	EN 60747-5-5	VDE 40034140
Alternative	Toshiba Electronic Devices	LTLP385	Thicknes through insulation>0,4mm; Operating temperature range:-55-110; transient isolation voltage: 5000V	EN 60747-5-5	VDE 40040216
X2 capacitor	Xiamen Faratronic Co. Ltd.	MKP62	0,1µF; 275VAC; T100	EN 60384-14	VDE 40000358
Alternative	Shunde Da Hua Electric Co., Ltd	HD Series	0,1µF; 275VAC; T100	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi Enterprise Co., Ltd	HQX Series	0,1µF; 275VAC; T100	EN 60384-14	VDE 40024534
Alternative	Jimson Electronics (Xia Men) Co., Ltd.	MKP Series	0,1µF; 275VAC; T100	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP61	0,1µF; 275VAC; T100	EN 60384-14	VDE 40007424
Alternative	ANHUI XINYANG ELECTRONICS CO., LTD.	MPX/MPK/MKP	0,1µF; 275VAC; T100	EN 60384-14	VDE 40024537
Alternative	EPCOS (Zhuhai FTZ) Co., Ltd.	B3292#	0,1µF; 305VAC; T105	EN 60384-14	VDE 40010694
Alternative	Foshan City Xin Yuan Electronic Co., Ltd	MKP-X2	0,1µF; 275VAC; T100	EN 60384-14	VDE 40027433
Components on connection board I PCB for all models:					
connection board I	GD Midea Air- Conditioning Equipment Co., Ltd	R-WOH120-DXX- B	--	EN 60335-2-40	Tested with appliance
Terminal block	SHENZHEN OULU Electronic Co., Ltd	TB1100-02	250VAC; 4mm ²	EN 60335-2-40	Tested with appliance
Components on connection board II PCB for all models:					
connection board II	GD Midea Air- Conditioning Equipment Co., Ltd	R-WOH100-DXX- A-1	--	EN 60335-2-40	Tested with appliance
Terminal block I	SHENZHEN OULU Electronic Co., Ltd	TB762-00	300VAC; 3mm ²	EN 60335-2-40	Tested with appliance
Terminal block II	SHENZHEN OULU Electronic Co., Ltd	TB1100-02	250VAC; 4mm ²	EN 60335-2-40	Tested with appliance

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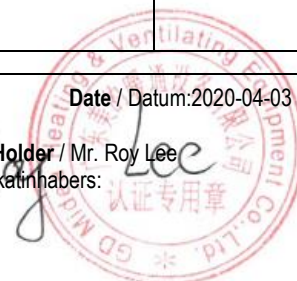
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Components on IPM Module for all models.					
IPM Module board	GD Midea Air-Conditioning Equipment Co., Ltd	ME-POWER-35A(PS22A78).D.2.1.1-1	--	EN 60335-2-40	Tested with appliance
Alternative	GD Midea Air-Conditioning Equipment Co., Ltd	ME-POWER(PS21A79+PS51789).D.1.1.1.1-1	--	EN 60335-2-40	Tested with appliance
IPM	Mitsubishi Electric	PS22A78	1200V; 35A	EN 60335-2-40	Tested with appliance
Alternative	Mitsubishi Electric	PM50CL1A120	1200V; 50A	EN 60335-2-40	Tested with appliance
Alternative	Mitsubishi Electric	IPM-PS21A79	600V; 50A	EN 60335-2-40	Tested with appliance
Transformer	CNT ELECTRONICS	BCK2804	Input: 85-265VAC; Output1:15V 0.3A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.3A; Output1:15V 0.3A; 50Hz;1,6Ω(25°C); Class A	EN 60335-2-40	Tested with appliance
Alternative	HUI ZHOU JIA YANG CORE NEW-TEC HCO.,LTD	BCK2804	Input: 85-265VAC; Output1:15V 0.3A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.3A; Output1:15V 0.3A; 50Hz;1,6Ω(25°C); Class A	EN 60335-2-40	Tested with appliance
Alternative	ZhongShan Coin Electronic Co.,Ltd.	BCK2804	Input: 85-265VAC; Output1:15V 0.3A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.3A; Output1:15V 0.3A; 50Hz;1,6Ω(25°C); Class A	EN 60335-2-40	Tested with appliance
Alternative	Shenzhen zhizhuo Elec Co., Ltd	E19084	Input: 85-265VAC; Output1:15V 0.3A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.3A; Output1:15V 0.3A; 50Hz;1,6Ω(25°C); Class A	EN 60335-2-40	Tested with appliance
Alternative	Shenzhen zhizhuo Electronics Co., Ltd	E19055	Input: 85-265VAC; Output1:15V 0.3A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.3A; Output1:15V 0.3A; 50Hz;1,6Ω(25°C); Class A	EN 60335-2-40	Tested with appliance
Alternative	Quanzhou Coiner Electronics Co., Ltd	BCK-2801-187	Input: 85-265VAC; Output1:15V 0.3A; Output1:15V 0.1A; Output1:15V 0.1A;	EN 60335-2-40	Tested with appliance

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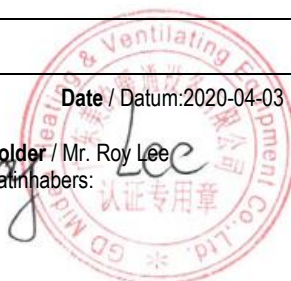
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			Output1:15V 0.1A; Output1:15V 0.3A; Output1:15V 0.3A; 50Hz;1,6Ω(25°C); Class A		
Alternative	Shenzhen Zhizhuo Electronics Co.,Ltd	EE19	Input: 85-265VAC; Output1:15V 0.3A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.1A; Output1:15V 0.3A; Output1:15V 0.3A; 50Hz;1,6Ω(25°C); Class A	EN 60335-2-40	Tested with appliance
X2 capacitor II	Xiamen Faratronic Co. Ltd.	MKP62	0,1μF; 275VAC; T100	EN 60384-14	VDE 40000358
Alternative	Shunde Da Hua Electric Co., Ltd	HD Series	0,1μF; 275VAC; T100	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi Enterprise Co., Ltd	HQX Series	0,1μF; 275VAC; T100	EN 60384-14	VDE 40024534
Alternative	Jimson Electronics (Xia Men) Co., Ltd.	MKP Series	0,1μF; 275VAC; T100	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP61	0,1μF; 275VAC; T100	EN 60384-14	VDE 40007424
Alternative	ANHUI XINYANG ELECTRONICS CO., LTD.	MPX/MPK/MKP	0,1μF; 275VAC; T100	EN 60384-14	VDE 40024537
Alternative	EPCOS (Zhuhai FTZ) Co., Ltd.	B3292#	0,1μF; 305VAC; T105	EN 60384-14	VDE 40010694
Alternative	Foshan City Xin Yuan Electronic Co., Ltd	MKP-X2	0,1μF; 275VAC; T100	EN 60384-14	VDE 40027433
Optocoupler	Sharp Corporation Electronic Components Grop	PC817	T100°C	EN 60747-5-2	VDE 40008087
Alternative	Fairchild semiconductor Pte LTD	FOD817	Thicknes through insulation>0,4mm; Operating temperature range:-55-110; Maximum transient isolation voltage:8000V	EN 60747-5-5	VDE 40026857
Alternative	Lite-on Technology Corporation	LTV-816	Thicknes through insulation>0,4mm; Operating temperature range:-55-110; Maximum transient isolation voltage:8000V	EN 60747-5-5	VDE 40015248
Alternative	EVERLIGHT ELECTRONICS CO LTD	EL816	5000 vac isolation Operating temperature range: -55-110	EN 60747-5-5	VDE 132249
Alternative	CHANGZHOU GALAXY CENTURY MICRO-ELECTRONICS CO LTD	BL817	Operating temperature range:-30-100; transient isolation voltage: 5000V	EN 60747-5-5	VDE 40034140
Alternative	Toshiba Electronic Devices	LTLP385	Thicknes through insulation>0,4mm; Operating temperature range:-55-110; transient isolation voltage: 5000V	EN 60747-5-5	VDE 40040216
Components on Power board for all models					

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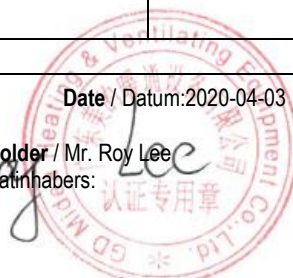
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Power Board	GD Midea Air-Conditioning Equipment Co., Ltd	CE-MDV160W/SN1-611.D.2.2-2	--	EN 60335-2-40	Tested with appliance
Fuse	Hollyland (China) Electronics Technology Co., Ltd	50CT T10AH 250V	T; 10A; 250VAC	EN 60127-1, EN 60127-2	VDE 40014896
Alternative	DongGuan Better Electronics Technology Co., Ltd.	524-10A/250V	T; 10A; 250VAC	EN 60127-1, EN 60127-2	VDE 40020107
X2 capacitor I	Xiamen Faratronic Co. Ltd.	MKP62	1µF; 275VAC; T100	EN 60384-14	VDE 40000358
Alternative	Shunde Da Hua Electric Co., Ltd	HD Series	1µF; 275VAC; T100	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi, Enterprise Co., Ltd	HQX Series	1µF; 275VAC; T100	EN 60384-14	VDE 40024534
Alternative	Jimson Electronics(Xia Men) Co., Ltd.	MKP Series	1µF; 275VAC; T100	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP61	1µF; 275VAC; T100	EN 60384-14	VDE 40007424
Alternative	ANHUI XINYANG ELECTRONICS CO.,LTD.	MPX/MPK/MKP	1µF; 275VAC; T100	EN 60384-14	VDE 40024537
Alternative	EPCOS ELECTRONIC COMPONENTS S. A.	B3292#	1µF; 275VAC; T100	EN 60384-14	VDE 40010694
Alternative	XINYUAN ELECTRONIC CO.,LTD.	MKP-X2	1µF; 275VAC; T100	EN 60384-14	VDE 40027433
Alternative	ULTRA TECH XIPHI ENTERPRISE CO LTD	HQX/ HCR/ HQXR	1µF; 275VAC; T100	EN 60384-14	VDE 40024534
X2 capacitor II	Xiamen Faratronic Co. Ltd.	MKP62	3,3µF; 275VAC; T100	EN 60384-14	VDE 40000358
Alternative	Shunde Da Hua Electric Co., Ltd	HD Series	3,3µF; 275VAC; T100	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi, Enterprise Co., Ltd	HQX Series	3,3µF; 275VAC; T100	EN 60384-14	VDE 40015608
Alternative	Jimson Electronics(Xia Men)Co.,Ltd	MKP Series	3,3µF; 275VAC; T100	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP61	3,3µF; 275VAC; T100	EN 60384-14	VDE 40007424
Alternative	ANHUI XINYANG ELECTRONICS CO.,LTD.	MPX/MPK/MKP	3,3µF; 275VAC; T100	EN 60384-14	VDE 40024537
Alternative	ULTRA TECH XIPHI ENTERPRISE CO LTD	HQX/ HCR/ HQXR	3,3µF; 275VAC; T100	EN 60384-14	VDE 40024534
Alternative	FOSHAN CITY XINYUAN ELECTRONIC CO.,LTD	MKP	3,3µF; 275VAC; T100	EN 60384-14	VDE 40027433
Varistor I	SHENZHEN CHENJU ELECTRONIC TECHNOLOGY CO., LTD	CNJU14D681K-K	680V; 120A; T85	EN 61051-1, EN 61051-2	VDE 40008220
Alternative	SHENZHEN CHENJU ELECTRONIC TECHNOLOGY CO., LTD	CNJU14D681KM	680V; 120A; T85	EN 61051-1, EN 61051-2	VDE 40008220

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Alternative	GUANGXI NEW FUTURE INFORMATION INDUSTRY CO., LTD.	NFC14D681KM	680V; 120A; T85	EN 61051-1, EN 61051-2	VDE 40030322
Alternative	NANJING SHAGON ELECTRONICS CO.,LTD.	MYG14K681N	680V; 120A; T85	EN 61051-1, EN 61051-2	CQC 09001033923
Varistor II	SHENZHEN CHENJU ELECTRONIC TECHNOLOGY CO., LTD	CNJU20D821K-K	680V; 120A; T85	EN 61051-1, EN 61051-2,	VDE 40008220
Y capacitor	Kunshan Wansheng, Electronics Co., Ltd.	CT7	250VAC; 0,01µF; T85; Y2	EN 60384-14	VDE 40017735
Alternative	Haohua Electronic Co., Ltd.	CT7	250VAC; 0,01µF; T125; Y2	EN 60384-14	VDE 40013601
Alternative	NanJing Yuyue Electronics Co., Ltd.	CT7	250VAC; 0,01µF; T85; Y2	EN 60384-14	VDE 40008013
Alternative	Xiamen Wanming, Electronics Co., Ltd.	HM	250VAC; 0,01µF; T85; Y2	EN 60384-14	VDE 40000263
Components on backup heater: BH45B/R					
Internal wire I	YUEQING GUOXIN ELECTRIC WIRE FACTORY	UL1015	AWG12-20#; 600VAC; 105°C;	EN 60335-1 EN 60335-2-40	Tested with appliance & UL E247528
Alternative	FOSHAN SHUNDE ZHANLIANG INDUSTRIAL CO LTD	UL1007	AWG16-22#; 300VAC; 80°C;	EN 60335-1 EN 60335-2-40	Tested with appliance & UL E330864
Alternative	QIFURUI ELECTRONICS CO	UL3321	AWG10-14#; 600VAC; 150°C	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Yongrui Electric Wire Co.,Ltd	UL3321	AWG10-14#; 600VAC; 150°C	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	FOSHAN SHUNDE ZHANLIANG INDUSTRIAL CO LTD	UL1007	AWG16-22#; 300VAC; 80°C;	EN 60335-1 EN 60335-2-40	Tested with appliance & UL E330864
Alternative	Zhongshan Yongrui Electric Wire Co.,Ltd	UL2464	AWG20-24#; 300VAC; 80°C	EN 60335-1 EN 60335-2-40	Tested with appliance
Terminal block I	Foshan Shunde Yuanfeng Metal Electrical Appliances Co.,Ltd.	YF2001	660V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co.,Ltd.	YF2001- 6B45	660V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Changzhou Kaidu Electric Products Co., Ltd.	JXO-6B	450V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9101A2 -6	450V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Terminal block II	Foshan Shunde Yuanfeng Metal Electrical Appliances Co.,Ltd.	YF2001	660V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co.,Ltd.	YF2001- 4D6	660V; 4mm²	EN 60335-1 EN 60335-2-40	Tested with appliance

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Alternative	Changzhou Kaidu Electric Products Co., Ltd.	JXO-4B	450V; 4mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9101-4	450V; 4mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9101- 4D	450V; 4mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Terminal block III	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9102-3	450VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9102 -5	600VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Zhongshan Shi Jointec Electronics Co., Ltd.	RS9102	600VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Changzhou Changheng Kaidu Electric Products Co., Ltd.	JXO	600VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Changzhou Changheng Kaidu Electric Products Co., Ltd.	JXO-3	600VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Changzhou Changheng Kaidu Electric Products Co., Ltd.	JXO-4	600VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Changzhou Changheng Kaidu Electric Products Co., Ltd.	JXO-5	600VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co., Ltd.	YF2002- 3B5	660VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co., Ltd.	YF2002- 5B13	660VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co., Ltd.	YF2002	660VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co., Ltd.	YF2002- 4B2	660VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	HuangZhong Electrical Equipment Co.,Ltd. of Shunde,Foshan	ET1001- 5P-11AR	660VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	HuangZhong Electrical Equipment Co.,Ltd. of Shunde,Foshan	ET1001- 3P-4AR	660VAC; 10mm ²	EN 60335-1 EN 60335-2-40	Tested with appliance
Circuit breaker	ABB LV Installation Materials Co.,Ltd. Beijing	S202M- C32	AC400V; In32A	EN 60898-1	VDE 40028697
AC contactor	Togami Control	PAK-20J	Ui =690VAC; Ith=32A	EN 60947-1 EN 60947-4-1	Tested with appliance

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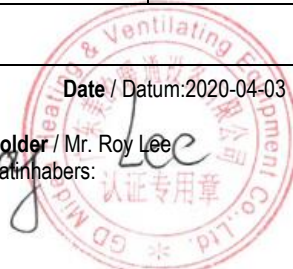
Alternative	Zhejiang Chint Electrics Co., Ltd.	NC1-1801	Ui =690VAC; Ith=32A	EN 60947-1 EN 60947-4-1 EN 60947-5-1	VDE 40003476
Alternative	ABB Xinhui Low Voltage Switchger Co.,Ltd	A26D -30-01 (A26D)	Ui =690VAC; Ith=30A	EN 60947-1 EN 60947-4-1	Tested with appliance
Self-resetting thermal cut-out	FOSHAN TONGBAO HUASHENG CONTROLLER LTD	WYG85C- 801	AC 250V; 16A; 85°C; 300 cycles;	EN 60730-1 EN 60730-2-9	VDE 40024844
Alternative	Changzhou Foland Electrical Appliance Co., Ltd	WY-C85, WY-E85	AC 250V; 16A; 85°C; 300 cycles	EN 60730-1 EN 60730-2-9	VDE 40024291
Non-self- resetting thermal cut-out	FOSHAN TONGBAO HUASHENG CONTROLLER Ltd	WQB95G- T	AC 250V; 20A; 95°C; 30 cycles	EN 60730-1 EN 60730-2-9	VDE 40011890
Alternative	Changzhou Foland Electrical Appliance Co., Ltd	WY-S 95	AC 250V; 20A; 95°C; 30 cycles	EN 60730-1 EN 60730-2-9	VDE 40024291
Electrical heater	Hangzhou Heatwell CO., LTD	HEAT WATER	230VAC; 3*1500W (-10%~+5%)	EN 60335-1 EN 60335-2-40	Tested with appliance

Kind of component / Bauteil	Manufacturer / Hersteller	Mechanical, electrical and chemical specification / Mechanische, elektrische und chemische Spezifikation			Test report and/or mark from / Prüfbericht und /oder - zeichen von
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
Below components for C series					
Compressor	MITSUBISHI electric Compressor (Guangzhou) Co., Ltd.	LVB53FCAMC	DC58-400V;30-306Hz; R32; Main: 0,53Ω; Vice: 0,53Ω; Aux: 0,53Ω (at20°C); Synthetic	EN 60335-2-40	Tested with appliance
Fan motor	Guangdong WELLING MOTOR MANUFACTURING CO., LTD	WZDK170-38G-1 (RD-380-170-8)	DC380V; 170W; CLASS E	EN 60335-2-40	Tested with appliance
Alternative	NIDEC SHIBAURA (ZHEJIANG) CORP.	WZDK170-38G-1 (SIC-81FW-F1170-1)	DC310V; 170W; CLASS E	EN 60335-2-40	Tested with appliance
Water flow switch	ALEPH ELECTRONICS(SHEN ZHEN)CO.,LTD	OT-06-27	26VA/1A/230V~, 20W/1A/48V=	EN 60335-2-40	Tested with appliance
Water Pump	WILO SE	YONOS PAPA HF 25/12 (inside motor model: 24/200)	Rated Voltage: 230V; 50/60Hz; Rated Power: 10-305W; IPX4; Class F	EN 60335-1, EN 60335-2-51	VDE 40034309
4-way valve	Zhejiang Sanhua Climate and Appliance Controls Group Co., Ltd.	SHF Series	AC220-240V; 50/60Hz; CLASS 130(B); Winding: 2085Ω (at20°C)	EN 60730-1	VDE 40003240
Alternative	Foshan Hualu Automatic Controls Limited.	STF Series	AC220-240V; 50/60Hz; class B; Winding: 1434,5 (at 20°C)	EN 60730-1	VDE 40018984

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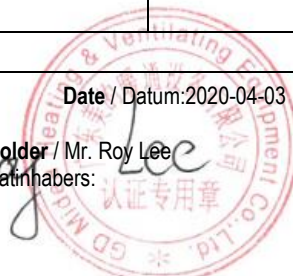
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Alternative	ZHONGSHAN CITY GANGLI REFRIGERATION FITTINGS CO.,LTD.	STF Series	AC220-240V; 50/60Hz; class B; Winding: $2100 \Omega \pm 150 \Omega$ (at 20°C)	EN 60730-1	VDE 40026249
Terminal block 1	Changzhou Changheng Kaidu Electric Products Co., Ltd.	JX Series	660VAC; 16mm ²	EN 60335-2-40	Tested with appliance
Alternative	HOPPY ELECTRONICS (SHANG HAI) CO., LTD.	T3130A Series	600VAC; 16mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co., Ltd.	YF2006-4B	660VAC; 16mm ²	EN 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrical Appliances Co., Ltd.	YF2006	660VAC; 16mm ²	EN 60335-2-40	Tested with appliance
Reactor	Foshan Welling Electronics Co., Ltd.	R3004	30A; 4mH; Class N	EN 60335-2-40	Tested with appliance
Alternative	TRMURA Corporation	R3040	30A; 4mH; Class H	EN 60335-2-40	Tested with appliance
Alternative	ZHONGSHAN DEYA ELECTRIC MANUFACTURE CO., LTD	R3040	30A; 4mH; Class N	EN 60335-2-40	Tested with appliance
Alternative	Foshan Welling Electronics Co., Ltd.	R3515 (AL)	35A; 1,5mH; Class N	EN 60335-2-40	Tested with appliance
Alternative	ZHONGSHAN DEYA ELECTRIC MANUFACTURE CO., LTD	R3515 (AL)	35A; 1,5mH; Class N	EN 60335-2-40	Tested with appliance
Alternative	TRMURA Corporation	R3515 (AL)	35A; 1,5mH; Class N	EN 60335-2-40	Tested with appliance
Alternative	Foshan Welling Electronic And Electric Co.,Ltd	R0903C(AL)	Rated Current: 9A; 50Hz; Class H; Work Environment:-20~65°C	EN 60335-2-40	Tested with appliance
Alternative	ZHONGSHAN DEYA ELECTRIC MANUFACTURE CO.,LTD	R0903C	Rated Current: 9A; 50Hz; Class H; Work Environment:-20~65°C	EN 60335-2-40	Tested with appliance
Alternative	YUNLU ENERGY TECHNOLOGY CO. LTD	R3515(AL)	35A; 1,5mH; Class H	EN 60335-2-40	Tested with appliance
Internal wire	FOSHAN SHUNDE BAOSHENG ELECTRONICS CO.LTD	UL3321 UL3173/ UL3271 UL1015/ UL1007	150°C; 600V; AWG30~AWG8 125°C; 600V; AWG30~AWG8 105°C; 600V; AWG30~AWG10; 80°C; 300V; AWG30~AWG16;	EN 60335-2-40	Tested with appliance & UL E257286
Alternative	Guangdong Yong Rui Cable Technology Co., Ltd.	UL3321 UL3173/ UL3271 UL1015/ UL1007	150°C; 600V; AWG30~AWG8 125°C; 600V; AWG30~AWG8 105°C; 600V; AWG30~AWG10; 80°C; 300V; AWG30~AWG16;	EN 60335-2-40	Tested with appliance & UL E204893

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Alternative	Foshan Shunde Zhanliang Industrialist Co.,Ltd	UL3321 UL3173/ UL3271 UL1015/ UL1007	150°C; 600V; AWG30~AWG8 125°C; 600V; AWG30~AWG8 105°C; 600V; AWG30~AWG10; 80°C; 300V; AWG30~AWG16;	EN 60335-2-40	Tested with appliance & UL E330864
Alternative	Xinya Electro Co.,Ltd	UL3321 UL3173/ UL3271 UL1015/ UL1007	150°C; 600V; AWG30~AWG8 125°C; 600V; AWG30~AWG8 105°C; 600V; AWG30~AWG10; 80°C; 300V; AWG30~AWG16;	EN 60335-2-40	Tested with appliance & UL E170689
Alternative	Zhongshan City Senbao Electric Co.,Ltd	UL3321 UL3173/ UL3271 UL1015/ UL1007	150°C; 600V; AWG30~AWG8 125°C; 600V; AWG30~AWG8 105°C; 600V; AWG30~AWG10; 80°C; 300V; AWG30~AWG16;	EN 60335-2-40	Tested with appliance & UL E199818
Alternative	Linoya Electronic Technology Co., LTD	UL3321 UL3173/ UL3271 UL1015/ UL1007	150°C; 600V; AWG30~AWG8 125°C; 600V; AWG30~AWG8 105°C; 600V; AWG30~AWG10; 80°C; 300V; AWG30~AWG16;	EN 60335-2-40	Tested with appliance & UL E315619
Alternative	YONG HAO ELECTRICAL INDUSTRY CO LTD	UL3321 UL3173/ UL3271 UL1015/ UL1007	150°C; 600V; AWG30~AWG8 125°C; 600V; AWG30~AWG8 105°C; 600V; AWG30~AWG10; 80°C; 300V; AWG30~AWG16;	EN 60335-2-40	Tested with appliance & UL E240426
Alternative	CHANGZHOU HONG CHANG ELECTRONICS CO LTD	UL3321 UL3173/ UL3271 UL1015/ UL1007	150°C; 600V; AWG30~AWG8 125°C; 600V; AWG30~AWG8 105°C; 600V; AWG30~AWG10; 80°C; 300V; AWG30~AWG16;	EN 60335-2-40	Tested with appliance & UL E212395
PCB material	Xingda Printed Circuit Board Mfr.	XD-102	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E193079
Alternative	Wuzhou Circuit Group Co., Ltd	WZ-6	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E170968
Alternative	Shenzhen Grandwork Electronics Co., Ltd.	J-1	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E246366
Alternative	Shunde Junda Electronic Co., Ltd	JD-D1/JD-D	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E173873
Alternative	BAOYUEJIA ELECTRONICS (ZHONGSHAN) CO., LTD	BYJ-3	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E230225
Alternative	CALI-TECH ELECTRONICS COPANY LIMITED	CT-101 CT-101A	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E216635
Alternative	Hui Zhou Xingzhiguang Technology Co., Ltd	XZG-P1	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E246887
Alternative	HAIYA PCB CO., LTD	C2	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E198946
Alternative	GUANGDONG SHENGYI SCI.TECH	S3110/ S1141	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E109769
Alternative	Doosan Corporation Electro-Material Bg.	DS-7106	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E103670
Alternative	Zhuhai Jointek Electric Co., Ltd.	JK-004	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E221485
Alternative	NAN YA PLASTICS CORPORATION	SN-L4	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E213990
Alternative	KINGBOARD LAMINATES LTD	KB6150/KB6160/ KB5150	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E123995

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Alternative	CHANGZHOU HAIHONG ELECTRONICS CO., LTD	HDCEM1	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E166702
Alternative	CHANGZHOU AOHONG ELECTRONICS CO., LTD	ILM-R1/GEM-R1##	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E303981
Alternative	Hubei Hypersonic Electronics Co., Ltd	CYS-01	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E306317
Alternative	CHANGZHOU HENGLIN RADIO FACTORY CO., LTD	HD-4/ HD-5	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E174651
Alternative	CHANG CHUN PLASTICS CO., LTD	CCP-508/ CCP-3400	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E108591
Alternative	INTERNATIONAL LAMINATE MATERIAL LTD	ILM-R1	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E134893
Alternative	TAT CHUN PRINTED CIRCUIT BOARD CO LTD	TC-2B	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E131175
Alternative	RONG HUI ELECTRONICS (HUIZHOU) CO LTD	RH-3	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E252098
Alternative	Victory giant Technology (HuiZhou) Co., Ltd.	SH1	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E248779
Alternative	Kunshan Rex Electronic Technology Co., Ltd.	FR-4	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E334460
Alternative	Xingda Printed Circuit Board Mfr.	XD-102	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E193079
Alternative	Wuzhou Circuit Group Co., Ltd	WZ-6	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E170968
Alternative	Shenzhen Grandwork Electronics Co., Ltd.	J-1	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E246366
Alternative	Shunde Junda Electronic Co., Ltd	JD-D1/ JD-D	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E173873
Alternative	BAOYUEJIA ELECTRONICS(ZHONGSHAN) CO., LTD	BYJ-3	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E230225
Alternative	CALI-TECH ELECTRONICS COPANY LIMITED	CT-101/ CT-101A	94V-0; double layer; 130°C	EN 60335-2-40	Tested with appliance & UL E216635
Alternative	RONGHUI ELECTRONICS(HUIZHOU)CO.LTD	RH-2/ RH-3/ RH-4	94V-0; thickness: 1,6mm	EN 60335-2-40	Tested with appliance & UL E252098
Alternative	GUANGDONG CHAOHUA TECHNOLOGY CO., LTD	C-102/ C-103/ C-104/ C-105	94V-0; thickness: 1,6mm	EN 60335-2-40	Tested with appliance & UL E231151
Alternative	Shenzhen Beyond Sci-tech Co., Ltd.	BY-002/ BY-003/ BY-004/ PC-001/ PC-003/ PC-004	94V-0; 130°C; Thickness:0,3-2,5mm	EN 60335-2-40	Tested with appliance & UL E243002

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Alternative	Guang Dong Ellington Electronics Technology Co., Ltd.	ET166/ ET166A/ ET156/ ET866/ ET866A/ ET856	94V-0; 130°C; thickness: ≥0,63mm	EN 60335-2-40	Tested with appliance & UL E213441
Alternative	Meizhou Dingtai P C Board Co., Ltd	DT-2/ DT-4	94V-0; 130°C; thickness: 0,10-2,0mm	EN 60335-2-40	Tested with appliance & UL E320008
Alternative	HuiZhou XingZhiGuang Technology Co., LTD	XZG-P1/ XZG-P2/ XZG-P3	94V-0; 130°C; thickness: 1,0-2,0mm	EN 60335-2-40	Tested with appliance & UL E246887
Alternative	RONGHUI ELECTRONICS(HUIZHOU)CO.LTD	RH-2/ RH-3/ RH-4	94V-0; 130°C; 140°C; Single panel Double sided board Multilayer board; thickness: 0,6-3,2mm	EN 60335-2-40	Tested with appliance & UL E252098
Alternative	WELFARE PRINTED CIRCUITS BOARD CO LTD	W400/ WM/ W401/ WM1/ W400A/ W401B	94V-0; 140°C; single and Multi-layers; thickness: 0,38mm min	EN 60335-2-40	Tested with appliance & UL E93938
Alternative	TECHWISE FOGANG CIRCUITS LTD	TF-1 and TF-3	94V-0; max oper Tem:130°C; DS and ML; Minimum Thickness :0,38mm (DS) and 0,63mm (ML)	EN 60335-2-40	Tested with appliance & UL E311922
Alternative	GUANGZHOU PAN YU CALI-TECH ELECTRONICS COMPANY LIMITED	KB-6160/ S1130/ S1130NK/ S1141/ S1141KF/ S1141 150/ S1141 170/ NY1140/ CT-101A	94V-0; 130°C; Single panel and Double sided board FR-4	EN 60335-2-40	Tested with appliance & UL E216635
Alternative	VICTORY GIANT TECHNOLOGY (HUI ZHOU) CO., LTD.	SH1/ SH3/ SH5/ SH9	94V-0; 130°C; thickness: 0,8mm	EN 60335-2-40	Tested with appliance & UL E248779
Alternative	Digital Printed Circuit Board Co., Ltd	KB2/ KB3/ KB4/ KBM/ KBM1/ KBM2/ KBM3/ KBM4/ KBM5	94V-0; 130°C; thickness: 0,38mm-3,2mm	EN 60335-2-40	Tested with appliance & UL E230582
Alternative	SHENZHEN GAINBASE P.C.B. CO., LTD	GB-11A/ GB-12A/ GB-11/ GB-11B/ GB-12/ GBU-12/ GBU-12A/ GBU-13	94V-0; 130°C; Single side; Min thickness: 0,7mm; Double side; Min thickness: 0,4mm; Multilayer (including HDI); min thickness:0,4mm	EN 60335-2-40	Tested with appliance & UL E122351
Alternative	Kunshan Rex Electronic Technology Co., Ltd.	REX-1/ REX-2/ REX-3	94V-0; 130°C; Thickness:0,3-3,0mm	EN 60335-2-40	Tested with appliance & UL E334460
Alternative	NIPPON(BOLUO)ELECTRONICS CO.,LTD	S4/ D2/ NCL7	94 V-0; 130°C Thickness: 0,8—3,2mm	EN 60335-2-40	Tested with appliance & UL E56327
Alternative	Hangzhou Linan Pengyu Electronics Co.,Ltd.	single:PY-2	94V-0; 130°C; thickness:0,63mm	EN 60335-2-40	Tested with appliance & UL E229910
Alternative	Hangzhou Pengrun Electronics Co., Ltd.	Double sided:PR-1	94V-0; 130°C; thickness:0,63mm	EN 60335-2-40	Tested with appliance & UL E484637
Alternative	Changzhou Aohong Electronics Co., Ltd	AOH-1/ AOH-2/ AOH-3/ AOH-4/ AOH-5/ AOH-6	94 V-0; 130°C; Thickness: 0,5-3,2mm	EN 60335-2-40	Tested with appliance & UL E303981
Alternative	Changzhou Haihong Electronics Co.,Ltd	HDCEM1	94V-0; 130°C; min thickness: 0,6mm	EN 60335-2-40	Tested with appliance & UL E166702
Alternative	Guangdong Chaozhua Technology Co.,Ltd.	C-101:M-128F C-102(FR-1):M-328F/ ZD-90F/ DS-1108/ CCP-3400/ ETL-XPC-207/ KB-3151C/ KB-3152	94HB/94V-0; 105/130°C Thickness: 0,38-3,2mm;	EN 60335-2-40	Tested with appliance & UL E231151

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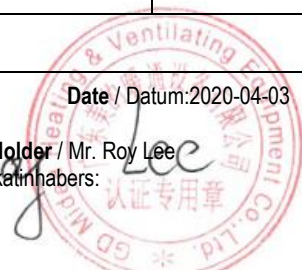
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		C-103(FR-3):M-228F C-104(CEM-1):ZD-95(G)F/ KB-5150/ DS-7106/ S3110/ CCP-508/ Q360/ Q360H/ Q360G/ Q360W C-104(CEM-3):KB-7150/ S2130/ S2130JB C-105(FR-4):KB-6160/ KB-6164/ UP-L,UP-LTC C-109(CEM-1):M-428F			
Alternative	MEIZHOU TAIHUA PRINTED CIRCUIT BOARD CO LTD	TH-1 TH-2	94V-0; 130°C; min thickness: 0,38mm	EN 60335-2-40	Tested with appliance & UL E338047
Electrolytic Capacitors	SHENZHEN JIANGHAO ELECTRONICS CO LTD	CD291	1000uF; 400V; 105°C; 2000h	EN 60335-2-40	Tested with appliance
Alternative	HUNAN AIHUA GROUP CO.,LTD	LM	1000uF; 400V; 105°C; 2000h	EN 60335-2-40	Tested with appliance
High Pressure switch	Shanghai Junle Refrigeration Control Co.,Ltd	H20PS Pressure	DC36V; 3A; On:3,2±0,15MP; Off:4,2±0,15MP; 1E5	EN 60730	VDE 40018686
Alternative	Changzhou Match-Well Pressure Control Technology Co., Ltd	YK-01H	DC36V; 3A; On:3,2±0,15MP; Off:4,2±0,15MP; 1E5	EN 60730	VDE 40000571
Low Pressure switch 2	Shanghai Junle Refrigeration Control Co.,Ltd	H20PS Pressure	DC36V; 3A; On:0,05±0,15MP; Off:0,15±0,15MP; 1E5	EN 60730	VDE 40018686
Alternative	Changzhou Match-Well Pressure Control Technology Co., Ltd	YK- 0.05/0.15	DC36V; 3A; On:0,05±0,15MP; Off:0,15±0,15MP; 1E5	EN 60730	VDE 40000571
Suction accumulator	DongGuanQingXin'An Refrigerator Fittings Co.,Ltd	QYFLQ-22*2.15*165*V13.5(G)	Ps:34Bar; Pt:49Bar; Ts(Max/Min):135/-40°C	EN 14276-1	HPiVS/P1001-275-Q-03
Alternative	Xinchang County Jiechuang Holding Co.,Ltd	QYFLQ-22*2.15*165*V13.5(G)	Ps:34Bar; Pt:49Bar; Ts(Max/Min):135/-40°C	EN 14276-1	086-03-003-00223
Components on main control board					
Main Control Board	GD Midea Air-Conditioning Equipment Co., Ltd	CE-LRSJ-V120/SN8-5R0.D.1.3.1-1	--	EN 60335-2-40	Tested with appliance
Transformer #1	HUI ZHOU JIA YANG CORE NEW-TECH CO.,LTD	ECO2425-MD006	Input: 176-265 VAC; Output power: 36,7W; Class 130(B)	EN 60335-2-40	Tested with appliance
Alternative	Xiamen Zettler Magnetics Co.,Ltd	XZM-ECO24015	Input: 176-265 VAC; Output power: 36,7W; Class 130(B)	EN 60335-2-40	Tested with appliance
Alternative	TAMURA	TR28(5+8)-2	I Input: 176-265 VAC; Output power: 36,7W; Class 130(B)	EN 60335-2-40	Tested with appliance

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Fuse	Hollyland (China) Electronics Technology Co., Ltd	FUSE-T-10A/250VAC-T/S-P	10A; 250VAC;; T; L	EN 60127-1 EN 60127-2	VDE 40014896
Alternative	DongGuan Better Electronics Technology Co., Ltd.	FUSE-T-10A/250VAC-T/S-P	10A; 250VAC; T; L	EN 60127-1 EN 60127-2	VDE 40020107
Relay	Dongguan Churod Electronics Co., Ltd	CHM-S-112DA3	5A; 250VAC; T mark: 85°C; 1E5 Cycles	EN 61810-1 EN 60079-15	TUV R 50196152 CNEEx13.4324X
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD.	CHM-S-112DA3	5A; 250VAC; T mark: 85°C; 1E5 Cycles	EN 61810-1 EN 60079-15	TUV R 50217035 CNEEx15.1983U
Alternative	TE Connectivity	PCJ-112D3MH-WG	5A; 250VAC; T mark: 85°C; 1E5 Cycles	EN 61810-1 EN 60079-15	VDE 40009151 CNEEx16.3073U
Relay #2	Tyco electronics Shengzhen CO.LTD	JDQ-SS-112V/16A-0-T85-P35-B-01	16A; 250VAC; T mark: 70°C; 1E5 Cycles	EN 61810-1 EN 60079-15	VDE 40005414 CNEEx16.3073U
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD.	MPJ-S-112-A-2	16A; 250VAC; T mark: 85°C; 1E5 Cycles	EN 61810-1 EN 60079-15	TUV R 5029498 CNEEx15.1983U
Alternative	SANYOU	SMIH-SH-112LM	17A; 277VAC; T mark: 85°C; 1E5 Cycles	EN 61810-1	VDE 40034054 CNEEx19.5427U
X2 capacitor #1	Xiamen Faratronic Co., Ltd.	MKP62	0,47µF; 275VAC; T100	EN 60384-14	VDE 40000358
Alternative	Ultra Tech Xiphi Enterprise Co., Ltd	HQX Series	0,47µF; 275VAC; T110	EN 60384-14	VDE 40015608
Alternative	Foshan Shunde Beijiao Hua Da Electric Industrial Co., Ltd.	HD Series	0,47µF; 275VAC; T85	EN 60384-14	VDE 40027182
Alternative	Jimson Electronics (Xia Men) Co., Ltd	MKP Series	0,47µF; 275VAC; T100	EN 60384-14	VDE 40000463
Alternative	VISHAY Electronic GmbH	MKP339	0,47µF; 500VAC; T125	EN 60384-14	VDE 136493
Alternative	Xiamen Faratronic Co. Ltd.	MKP61	0,47µF; 275VAC; T100	EN 60384-14	VDE 40007424
Alternative	Xiamen Faratronic Co. Ltd.	C4B THB Series	0,47µF; 350VAC; T110	EN 60384-14	SE/0366-6
Alternative	VISHAY Capacitors Belgium NV	F1772S Series	0,47µF; 310VAC; T110	EN 60384-14	VDE 40005079
Alternative	Okaya Electric Industries Co., Ltd	LE Series	0,47µF; 310VAC; T110	EN 60384-14	Ref. No.SE/0142-1
X2 capacitor #2	Xiamen Faratronic Co. Ltd.	MKP61	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40007424
Alternative	Shunde Da Hua Electric Co., Ltd	HD Series	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi Enterprise Co., Ltd	HQX Series	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40015608
Alternative	Jimson Electronics(Xia Men)Co.,Ltd	MKP Series	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP62	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40000358
Varistor	Panasonic SH Industrial Devices Sales (Shenzhen) Co., Ltd.	ERZE11L621M1	Varistor Voltage 558-682V; 5000A 1 time; 100°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40035231

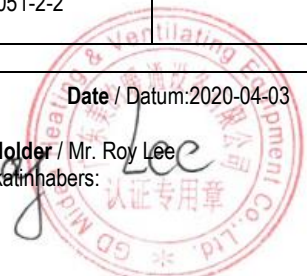
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Alternative	EPCOS (Zhuhai FTZ) Co., Ltd.	B72214P2381K59 3	Varistor Voltage 620 V $\pm$ 10%; 6000A 1 time; 100°C	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40027582
Alternative	Centra science Corp. (CNJU)	CNR-14D681K (CNJU 14D681KM)	AC 50-680V; -40 to 85°C	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
Alternative	Ceramate Techn. Co., Ltd.	GNR14D681K(GN R14D681KM)	AC 50-680V; -40 to 85°C	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40031745
Alternative	Xi'an Xiwuer Electronics & Information Co., Ltd.	MYG3-14K681 (MYG314K420)	AC 50-680V; -40 to 85°C	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008528
Alternative	Guangdong Foshan Kestar Electronic Co., Ltd	MYG14-681 (MYN14-681A)	AC 50-680V; -40 to 85°C	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40005616
Alternative	Guangdong Foshan Kestar Electronic Co., Ltd	14D681K-M (CNR(OLD))	AC 50-680V; -40 to 85°C	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40005616
Alternative	EPCOS OHG	14D681K-M(S14 K420)	AC420V; 50A; T85°C	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40027582
Alternative	Panasonic Corporation	E14681	AC 50-680V; -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40018677
Alternative	Panasonic Corporation	E11681	AC 50-680V; -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40035231
Alternative	Nanjing Shagon Electronics Co.,Ltd	MYG14K 681M(MYG14K 681)	AC 50-680V; -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD Z1160679712002
Alternative	Guangxi New Future Information Industry Co., Ltd.	14D681K; 14D681K-K or 14D681KK; 14D681K- M(CNR(OLD)) or 14D681KM;	AC 50-680V; -40 to 85°C	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322

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		NFC14D681K or NFC14D681KM			
Alternative	EPCOS (ZHU HAI FTZ) CO LTD	SIOV-S14K385	6000A; 385/505VDC; T85	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40027582
Alternative	PANASONIC CORPORATION	E11621	6000A; 385/505VDC; T85	CECC42000 CECC42200 CECC42201 EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40035231
Y1 Capacitor #1	Vishay Components (Huizhou) Co., Ltd	VY1 series	500VAC; 4,7nF; T125	EN 60384-14	VDE 40012673
Alternative	NanJing YuYue Electronics CO.,LTD	CT7 Series	500VAC; 4,7nF; T125	EN 60384-14	VDE 40008010
Y2 Capacitor #1	NanJing YuYue Electronics CO.,LTD	CT7 Series	250VAC; 472M; -25 to 85°C	EN 60384-14	VDE 40008013
Alternative	FENGHUA ADVANCED TECHNOLOGY(HOLDI NG)CO; LTD	CT7 Series	250VAC; 472M; -25 to 85°C	EN 60384-14	VDE 40013869
Alternative	TDK Corporation	CS (miniature series)	250VAC; 472M; -25 to 85°C	EN 60384-14	VDE 40017930
Alternative	Success Electronics Co., Ltd.	SB	250VAC; 472M; -25 to 85°C	EN 60384-14	VDE 40016621
Alternative	Success Electronics Co., Ltd.	SF	250VAC; 472M; -25 to 85°C	EN 60384-14	VDE 40016665
Y2 Capacitor #2	NanJing YuYue Electronics CO.,LTD	CT7 Series	250VAC; 471M; -25 to 85°C	EN 60384-14	VDE 40008013
Alternative	FENGHUA ADVANCED TECHNOLOGY(HOLDI NG)CO; LTD	CT7 Series	250VAC; 471M; -25 to 85°C	EN 60384-14	VDE 40013869
Alternative	TDK Corporation	CS (miniature series)	250VAC; 471M; -25 to 85°C	EN 60384-14	VDE 40017930
Alternative	Success Electronics Co., Ltd.	SB	250VAC; 471M; -25 to 85°C	EN 60384-14	VDE 40016621
Alternative	Success Electronics Co., Ltd.	SF	250VAC; 471M; -25 to 85°C	EN 60384-14	VDE 40016665
Alternative	Haohua Electronic Co.,	CT7	250VAC; 471M; -25 to 85°C	EN 60384-14	VDE 40003902
Y2 Capacitor #3	Vishay Components (Huizhou) Co.,Ltd	VY1471M29Y5UC 6UV0	500VAC; 471M; —40 to 85°C	EN 60384-14	VDE 4012673
Alternative	NanJing YuYue Electronics CO.,LTD	CT707eY5P471M 500VACT	500VAC; 471M; —30 to 85°C	EN 60384-14	VDE 40008010
Electrolytic Capacitors	NANTONG JIANGHAI	CD293	82uF; 450V; 105°C; 2000h	EN 60335-2-40	Tested with appliance
Alternative	SHENZHEN JIANGHAO ELECTRONICS CO LTD	CD289A	82uF; 450V; 105°C; 2000h	EN 60335-2-40	Tested with appliance
Alternative	HUNAN AIHUA GROUP CO.,LTD	ELH2WM820030 AT	82uF; 450V; 105°C; 2000h	EN 60335-2-40	Tested with appliance

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Alternative	NICHICON CORPORATION	LGG2W820MELJ NH	82uF; 450V; 105°C; 2000h	EN 60335-2-40	Tested with appliance
Opto-coupler	Toshiba Semiconductor Company	TLP781	Isolation Voltage: 2500/5000Vrms (min.); Operating temperature range -55 to 110°C	EN 60747-5-5	VDE 40021173
Alternative	Sharp Corporation Electronic Components Grop	PC817	Isolation Voltage:5000V; T100	EN 60747-5-5	VDE 40008087
Alternative	Fairchild semiconductor Pte LTD	FOD817	Thicknes: >0,4mm; T115; 8000V	EN 60747-5-5, DIN EN 60747-5-5 (VDE 0884-5), EN 60747-5-5	VDE 40026857
Alternative	Lite-on Technology Corporation	LTV-816	Thicknes: >0,4mm; T115; 8000V	EN 60747-5-2	VDE 40015248
Alternative	EVERLIGHT ELECTRONICS CO LTD	EL816	5000 vac isolation	EN 60747-5-5, EN60747-5-5	VDE 132249
Alternative	CHANGZHOU GALAXY CENTURY MICRO-ELECTRONICS CO LTD	BL817	5000 vac isolation	EN 60747-5-5, EN 60747-5-5::	VDE 40034140
Bridge Rectifier	LITE-ON SEMICONDUCTOR CORP.	GBJ3510	35A;1000V	EN 60335-2-40	Tested with appliance
Alternative	LESHAN SHARE ELECTRONIC CO., LTD	D35SB100 A	35A;1000V	EN 60335-2-40	Tested with appliance
Alternative	Microsemi	GBJ35M	35A;1000V	EN 60335-2-40	Tested with appliance
Inductor	MAANSHAN COINER ELECTRONICS CO., LTD.	U16025	15mH	EN 60335-2-40	Tested with appliance
Alternative	Shenzhen zhizhuo Electronics Co., Ltd	CHOKE/UF16.2A. 15Mh	15mH	EN 60335-2-40	Tested with appliance
Alternative	HUI ZHOU JIA YANG CORE NEW-TECH CO., LTD	UU15.7-15mH	15mH	EN 60335-2-40	Tested with appliance
Inductor #2	ZHONGSHAN COIN ELECTRONICS CO.,LTD	EE25-3A-12mH	12mH	EN 60335-2-40	Tested with appliance
Alternative	DONG GUAN DA ZHONG	EE25-3A-12mH	12mH	EN 60335-2-40	Tested with appliance
Alternative	MAANSHAN COINER ELECTRONICS CO.,LTD.	HG-3A-12mH	12mH	EN 60335-2-40	Tested with appliance
Alternative	QingDao Yunlu Energy Technology CO.,LTD.	EE25-3A-12mH	12mH	EN 60335-2-40	Tested with appliance
Alternative	HUI ZHOU JIA YANG CORE NEW-TECH CO.,LTD	EE25-3A-12mH	12mH	EN 60335-2-40	Tested with appliance
Alternative	SHENZHEN JEWEL ELECTRONIC CO., LTD	JLB25104A	12mH	EN 60335-2-40	Tested with appliance
Alternative	WU HAN CHENG YANG CORE NEW-TECH CO.,LTD	EE25-3A-12mH	12mH	EN 60335-2-40	Tested with appliance

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Alternative	WEIMEI ELECTRONICS FACTORY DONG GUAN CITY	EE25-3A-12mH	12mH	EN 60335-2-40	Tested with appliance
Components on inverter module					
Power Board	GD Midea Air-Conditioning Equipment Co., Ltd	CE-INVERTER-INF(SHUNT+R)-PED.D.1.1.1.1	--	EN 60335-2-40	Tested with appliance
IPM	Infineon	FP50R12KT4G	1200VAC,50A	EN 60335-2-40	Tested with appliance
Relay #1	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD.	MPJ-S-112-A-2	16A;250VAC;T85°C;10E4	EN 61810-1 EN 60079-15	TUV R 50294981 CNEEx15.3775U
Alternative	Tyco electronics Shengzhen CO.LTD	OMIH-SH-112LM	AC250;16A;T70°C;100K	EN 61810-1 EN 60079-15	TUV R 50139138 CNEEx15.113U
Alternative	Sanyou Corporation Limited	SMIH-SH-112LM	17A; 277VAC; 10°; 380VAC; T85°C; 10E4	EN 61810-1 EN 60079-15	VDE 40034054 CNEEx19.5425U
Relay #2	TE Connectivity	TE//T92S7D1X-12-99	30A; 250VAC; T85°C; 10E4	EN 61810-1 EN 60079-15	TUV R 50083843 CNEEx18.5215U
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD.	MPZ-S-212-A-T	AC250; 16A; T70°C; 10E4	EN 61810-1 EN 60079-15	TUV R 50403379 TUV R 50417586
Opto-coupler	Toshiba Semiconductor Company	TLP781	Isolation Voltage: 2500/5000Vrms (min.); Operating temperature range -55 to 110°C	EN 60747-5-5	VDE 40021173
Alternative	Sharp Corporation Electronic Components Grop	PC817	Isolation Voltage:5000V; T100	EN 60747-5-5	VDE 40008087
Alternative	Fairchild semiconductor Pte LTD	FOD817	Thicknes: >0,4mm; T115; 8000V	EN 60747-5-5, DIN EN 60747-5-5 (VDE 0884-5), EN 60747-5-5	VDE 40026857
Alternative	Lite-on Technology Corporation	LTV-816	Thicknes: >0,4mm; T115; 8000V	EN 60747-5-2	VDE 40015248
Alternative	EVERLIGHT ELECTRONICS CO LTD	EL816	5000 vac isolation	EN 60747-5-5, EN60747-5-5	VDE 132249
Alternative	CHANGZHOU GALAXY CENTURY MICRO-ELECTRONICS CO LTD	BL817	5000 vac isolation	EN 60747-5-5, EN 60747-5-5::	VDE 40034140
Y1 Capacitor	Vishay Components (Huizhou) Co., Ltd	VY1 series	500VAC; 4,7 nF; T125	EN 60384-14	VDE 40012673
Alternative	NanJing YuYue Electronics CO.,LTD	CT7 Series	500VAC; 472M; -25 to 85°C	EN 60384-14	VDE 40008013
Alternative	FENGHUA ADVANCED TECHNOLOGY(HOLDING)CO; LTD	CT7 Series	500VAC; 472M; -25 to 85°C	EN 60384-14	VDE 40013874
Y1 Capacitor	Vishay Components (Huizhou) Co., Ltd	VY1 series	500VAC; 0,47µF; T125	EN 60384-14	VDE 40012673
Alternative	NanJing YuYue Electronics CO.,LTD	CT7 Series	500VAC; 471M; -25 to 85°C	EN 60384-14	VDE 40008013

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Alternative	FENGHUA ADVANCED TECHNOLOGY(HOLDI NG)CO: LTD	CT7 Series	500VAC; 471M; -25 to 85°C	EN 60384-14	VDE 40013874
Transformer	HUI ZHOU JIA YANG CORE NEW-TECH CO.,LTD	ECO22MD008 (ECO22(7+6)3P4- 0.8L1)	Input:85-265 VAC; Output power: 17,6 W; Class 130(B)	EN 60335-2-40	Tested with appliance
Alternative	WU HAN CHEN YANG CORE NEW-TECH CO.,LTD	ECO22MD008 (ECO22(7+6)3P4- 0.8L1)	Input:85-265 VAC; Output power: 17,6 W; Class 130(B)	EN 60335-2-40	Tested with appliance
Alternative	Xiamen Zettler Magnetics Co., Ltd	XZM-ECO22008	Input:85-265 VAC; Output power: 17,6 W; Class 130(B)	EN 60335-2-40	Tested with appliance
Varistor	Panasonic SH Industrial Devices Sales (Shenzhen) Co., Ltd.	ERZE14A102	Varistor Voltage 900-1100V; 7500A; 1time; T85	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40035231
Alternative	Centra Science (Holdings) Ltd.	20D102K	Varistor Voltage 900-1100V; 6500A; 1time; T85	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
Alternative	Panasonic Corporation	E14102	385VAC; T85	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40035231
Alternative	EPCOS (ZHU HAI FTZ) CO LTD	SIOV-S14K385	6000A; 385/505VDC; T85	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40027582
Alternative	PANASONIC CORPORATION	E11621	6000A; 385/505VDC; T85	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40035231
Alternative	Panasonic SH Industrial Devices Sales (Shenzhen) Co., Ltd.	ERZE11L621M1	Varistor Voltage 558-682V; 5000A 1 time; 100°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40035231
Alternative	EPCOS (Zhuhai FTZ) Co., Ltd.	B72214P2381K59 3	Varistor Voltage 620 V ±10%; 6000A 1 time; 100°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40027582
Alternative	Centra science Corp. (CNJU)	CNR-14D681K (CNJU 14D681KM)	AC 50-680V, -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008220
Alternative	Ceramate Techn. Co., Ltd.	GNR14D681K(GN R14D681KM)	AC 50-680V, -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40031745
Alternative	Xi'an Xiwuer Electronics & Information Co., Ltd.	MYG3-14K681 (MYG314K420)	AC 50-680V, -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40008528
Alternative	Guangdong Foshan Kestar Electronic Co., Ltd	MYG14-681 (MYN14-681A)	AC 50-680V, -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40005616
Alternative	Guangdong Foshan Kestar Electronic Co., Ltd	14D681K-M (CNR(OLD)	AC 50-680V, -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40005616
Alternative	EPCOS OHG	14D681K-M(S14 K420)	AC420V; 50A; T85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40027582
Alternative	Panasonic Corporation	E14681	AC 50-680V, -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40018677

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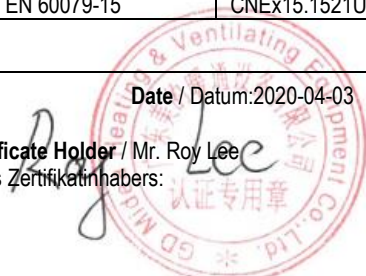
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Alternative	Panasonic Corporation	E11681	AC 50-680V, -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40035231
Alternative	Nanjing Shagon Electronics Co., Ltd	MYG14K 681M(MYG14K 681)	AC 50-680V, -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	TUV SUD Z1160679712002
Alternative	Guangxi New Future Information Industry Co., Ltd.	14D681K; 14D681K-K or 14D681KK; 14D681K-M(CNR(OLD) or 14D681KM; NFC14D681K or NFC14D681KM	AC 50-680V, -40 to 85°C	EN 61051-1 EN 61051-2 EN 61051-2-2	VDE 40030322
Film capacitor	Xiamen Faratronic Co., Ltd.	MKP21	0,10µF; 1250VDC; 105°C	EN 60335-2-40	Tested with appliance
Alternative	Okaya Electric Industries Co., Ltd	HCP series	0,10µF; 1250VDC; 105°C	EN 60335-2-40 EN 60384-16	Tested with appliance & Ref. No.SE/0142-1
X2 capacitor 2	Xiamen Faratronic Co., Ltd.	MKP62	0,1µF; 275VAC; T100	EN 60384-14	VDE 40000358
Alternative	Ultra Tech Xiphi Enterprise Co., Ltd	HQX105K275N04 SAY	0,1µF; 275VAC; T110	EN 60384-14	VDE 40015608
Alternative	Xiamen Faratronic Co., Ltd.	C4B THB Series	0,1µF; 305VAC; T110	ENEC-SEMKO; EN 60384-14	SE/0366-6
Alternative	Okaya Electric Industries Co., Ltd	LE Series	0,1µF; 310VAC; T110	EN 60384-14	Ref. No.SE/0142-1
Components on filter board					
Filter Board	GD Midea Air-Conditioning Equipment Co., Ltd	FILTER-8R0.D.1.1-2	--	EN 60335-2-40	Tested with appliance
Electrolytic Capacitors	Weltronics Component Limited	EKM451LIN681 MA50S	680µF; 450V; 105°C; 2000h	EN 60335-2-40	Tested with appliance
Alternative	SHENZHEN JIANGHAO ELECTRONICS CO LTD	CD291A	680µF; 450V; 105°C; 2000h	EN 60335-2-40	Tested with appliance
Alternative	HUNAN AIHUA GROUP CO.,LTD	LH	680µF; 450V; 105°C; 2000h	EN 60335-2-40	Tested with appliance
Inductor	HUI ZHOU JYAYANG ELECTRONIC CORE NEW-TECH CO.,LTD.	HG-5A-5mH-FJ	5mH	EN 60335-2-40	Tested with appliance
Alternative	ANHUI ZHONGHENG COMPOSITE MSTAR TECHNOLOGY CO.,LTD.	HG-5A-5mH-FJ	5mH	EN 60335-2-40	Tested with appliance
Inductor #2	HUI ZHOU JYAYANG ELECTRONIC CORE NEW-TECH CO.,LTD.	JY 35A-4.5mH	4,5mH	EN 60335-2-40	Tested with appliance
Alternative	ANHUI ZHONGHENG COMPOSITE MSTAR TECHNOLOGY CO.,LTD.	ZH 35A-4.5mH	4,5mH	EN 60335-2-40	Tested with appliance
Relay #1	Sanyou Corporation Limited	SJ-S-112DM	250VAC; 10A; T85; 1E5 cycles	EN 61810-1 EN 60079-15	TUV RH R 50142420 CNEx15.1521U

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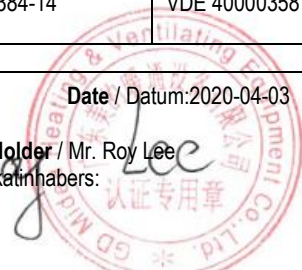
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Alternative	Wangrong Electronics (Shenzhen) Co., Ltd	RJ-SS-112DM1	250VAC; 10A; T85; 1E5 cycles	EN 61810-1 EN 60079-15	TUV RH R 50222701 CNEx17.1775U
Alternative	Dongguan Churod Electronics Co., Ltd.	A1-V-112HA	250VAC; 10A; T85; 1E5 cycles	EN 61810-1 EN 60079-15	TUV RH R 50174892 CNEx15.0486U
Alternative	YUEQING MEISHUO ELECTRIC Co., Ltd	MPD-S-112-A	250VAC; 10A; T70; 1E5 cycles	EN 61810-1 EN 60079-15	TUV RH R 50184948 CNEx15.1982U
Alternative	Sanyou Corporation Limited	SJ-S-112DM	250VAC; 10A; T70; 1E5 cycles	EN 61810-1 EN 60079-15	VDE 40002146 CNEx15.1521U
Relay #2	Zhejiang Meishuo Electric Technology Co., LTD	MPY-S-112-A-P	240VAC; 20A; T85; 1E5 cycles	EN 61810-1 EN 60079-15	TUV RH R 50204088 CNEx15.3774U
Alternative	WangRong Electronics (Shenzhen) Co., Ltd.	RF-SS-112DM	240VAC; 20A; T85; 1E5 cycles	EN 61810-1 EN 60079-15	TUV RH R 50194013 CNEx17.1776U
Alternative	Sanyou Corporation Limited.	SFK-112DMP	240VAC; 20A; T85; 1E5 cycles	EN 61810-1 EN 60079-15	TUV RH R 50143450 CNEx15.1518U
Alternative	Dongguan Churod Electronics Co., Ltd.	CHFN-V-112DA2	240VAC; 20A; T85; 1E5 cycles	EN 61810-1 EN 60079-15	TUV R 50220099 CH 50379734 0001
X2 capacitor #1	Xiamen Faratronic Co., Ltd.	C4B Series	3,3µF; 305VAC; T110	ENEC-SEMKO; EN 60384-14	SE/0366-6
Alternative	Xiamen Faratronic Co., Ltd.	C4B THB Series	3,3µF; 305VAC; T110	ENEC-SEMKO; EN 60384-14	SE/0366-6
Alternative	Okaya Electric Industries Co., Ltd	LE Series	3,3µF; 310VAC; T110	EN 60384-14	Ref. No.SE/0142-1
Alternative	VISHAY Capacitors Belgium NV	F1772S Series	3,3µF; 310VAC; T110	EN 60384-14	VDE 40005079
X2 capacitor #2	Xiamen Faratronic Co., Ltd.	MKP62	1µF; 275VAC; T100	EN 60384-14	VDE 40000358
Alternative	Ultra Tech Xiphi Enterprise Co., Ltd	HQX105K275N04 SAY	1µF; 275VAC; T110	EN 60384-14	VDE 40015608
Alternative	Xiamen Faratronic Co., Ltd.	C4B THB Series	1µF; 305VAC; T110	ENEC-SEMKO; EN 60384-14	SE/0366-6
Alternative	Okaya Electric Industries Co., Ltd	LE Series	1µF; 310VAC; T110	EN 60384-14	Ref. No.SE/0142-1
Alternative	VISHAY Capacitors Belgium NV	F1772S X2 Series	1µF; 310VAC; T110	EN 60384-14	VDE 40005079
X2 capacitor #3	Xiamen Faratronic Co. Ltd.	MKP61	0,47µF; 275VAC; 100°C	EN 60384-14	VDE 40007424
Alternative	Shunde Da Hua Electric Co., Ltd	HD Series	0,47µF; 275VAC; 100°C	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi Enterprise Co., Ltd	HQX Series	0,47µF; 275VAC; 100°C	EN 60384-14	VDE 40015608
Alternative	Jimson Electronics(Xia Men)Co.,Ltd	MKP Series	0,47µF; 275VAC; 100°C	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP62	0,47µF; 275VAC; 100°C	EN 60384-14	VDE 40000358
X2 capacitor #4	Xiamen Faratronic Co. Ltd.	MKP61	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40007424
Alternative	Shunde Da Hua Electric Co., Ltd	HD Series	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi Enterprise Co., Ltd	HQX Series	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40015608
Alternative	Jimson Electronics(Xia Men)Co.,Ltd	MKP Series	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP62	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40000358

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Y1 Capacitor #1	Vishay Components (Huizhou) Co., Ltd	VY1 series	500VAC; 4,7nF; T125	EN 60384-14	VDE 40012673
Alternative	NanJing YuYue Electronics CO.,LTD	CT7 Series	500VAC; 4,7nF; T125	EN 60384-14	VDE 40008010
Y2 Capacitor #1	NanJing YuYue Electronics CO.,LTD	CT7 Series	250VAC; 471-472M; -25 to 85°C	EN 60384-14	VDE 40008013
Alternative	FENGHUA ADVANCED TECHNOLOGY(HOLDING)CO; LTD	CT7 Series	250VAC; 471-472M; -25 to 85°C	EN 60384-14	VDE 40013869
Alternative	TDK Corporation	CS (miniature series)	250VAC; 471-472M; -25 to 85°C	EN 60384-14	VDE 40017930
Alternative	Success Electronics Co., Ltd.	SB	250VAC; 471-472M; -25 to 85°C	EN 60384-14	VDE 40016621
Alternative	Success Electronics Co., Ltd.	SF	250VAC; 471-472M; -25 to 85°C	EN 60384-14	VDE 40016665
Fuse #1	Hollyland (China) Electronics Technology Corporation Ltd.	50CT T16AH 250V	16A; 250V; T; H	EN 60335-2-40	TUV R 50341798
Alternative	DongGuan Better Electronics Technology Co., Ltd.	524 250V 16A	16A; 250V; T; H	EN 60335-2-40	VDE 40025424
Alternative	XC ELECTRONICS (SHENZHEN) CORP.LTD.	5H 16A 250V	16A; 250V; T; H	EN 60335-2-40	VDE 40037072
Fuse #2	Hollyland (China) Electronics Technology Corporation Ltd.	50CT(P)-100H	10A; 250V; T; H; 5x20mm	EN 60127-1 EN 60127-2	VDE 40014896
Alternative	DongGuan Better Electronics Technology Co., Ltd.	524-10A/250V	10A; 250V; T; H; 5x20mm	EN 60127-1 EN 60127-2	VDE 40020107
Bridge Rectifier	LITE-ON SEMICONDUCTOR CORP.	GBJ3510	35A;1000V	EN 60335-2-40	Tested with appliance
Alternative	LESHAN SHARE ELECTRONIC CO., LTD	D35SB100 A	35A;1000V	EN 60335-2-40	Tested with appliance
Alternative	Microsemi	GBJ35M	35A;1000V	EN 60335-2-40	Tested with appliance
Components on connection board					
Connection Board	GD Midea Air-Conditioning Equipment Co., Ltd	MDV-450(16)W/DNS1-880.D.1-2	--	EN 60335-2-40	Tested with appliance
Alternative	GD Midea Air-Conditioning Equipment Co., Ltd	MDV-450(16)W/DNS1-880.D.1-1	--	EN 60335-2-40	Tested with appliance
Terminal Block	HOPPY Electronics Co., Ltd	T5312-3-3P/ T5312-3-3P/ T5312-3-6P	1,5mm ² ; 250V	EN 60335-2-40	Tested with appliance & UL E163737
Alternative	EXCEL CELL ELECTRONIC CO., LTD.	ETB5402206021Z	1,5mm ² ; 250V	EN 60335-2-40	Tested with appliance & UL E133988(R)
Components on PED board					
PED board	GD Midea Air-Conditioning Equipment Co., Ltd	PED-Board D.1.1	--	EN 60335-2-40	Tested with appliance

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Main control board #2					
Main Control Board	GD Midea Air-Conditioning Equipment Co., Ltd	R-WSL250-DXX-A[R5F52316].D.1.1.1	--	EN 60335-2-40	Tested with appliance
Transformer	HUI ZHOU JIA YANG CORE NEW-TECH CO.,LTD	ECO2425-MD006	Input: 176-264VAC; 50/60Hz; Output 1: 12V $\pm$ 5%; 50-1300mA; Output 2: 15-22V; 3-250mA; Output 3: 7-15V; 3-500mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	Xiamen Zettler Magnetics Co.,Ltd	XZM-ECO24015	Input: 176-264VAC; 50/60Hz; Output 1: 12V $\pm$ 5%; 50-1300mA; Output 2: 15-22V; 3-250mA; Output 3: 7-15V; 3-500mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Alternative	TAMURA	TR28(5+8)-2	Input: 176-264VAC; 50/60Hz; Output 1: 12V $\pm$ 5%; 50-1300mA; Output 2: 15-22V; 3-250mA; Output 3: 7-15V; 3-500mA; Class B	EN 60335-1 EN 60335-2-40	Tested with appliance
Capacitor X2	Xiamen Faratronic Co. Ltd.	MKP61	0,1 μ F; 275VAC; 100°C	EN 60384-14	VDE 40007424
Alternative	Shunde DaHua Electric Co.,Ltd	HD Series	0,1 μ F; 275VAC; 100°C	EN 60384-14	VDE 40001126
Alternative	Ultra Tech Xiphi Enterprise Co.,Ltd	HQX Series	0,1 μ F; 275VAC; 100°C	EN 60384-14	VDE 40015608
Alternative	Jimson Electronics (XiaMen) Co.,Ltd	MKP Series	0,1 μ F; 275VAC; 100°C	EN 60384-14	VDE 40000463
Alternative	Xiamen Faratronic Co. Ltd.	MKP62	0,1 μ F; 275VAC; 100°C	EN 60384-14	VDE 40000358
Alternative	Xiamen Faratronic Co. Ltd.	MKP61	0,1 μ F; 275VAC; 100°C	EN 60384-14	VDE 40007424
Alternative	ULTRA TECH XIPHI ENTERPRISE CO LTD	HQX, HCR or HQXR	0,1 μ F; 275VAC; 100°C	EN 60384-14	VDE 40024534
Alternative	ANHUI XINYANG ELECTRONICS CO., LTD.	MPX/MPK/MKP	0,1 μ F; 275VAC; T100	EN 60384-14	VDE 40024537
Alternative	EPCOS (Zhuhai FTZ) Co., Ltd.	B3292#	0,1 μ F; 305VAC; T105	EN 60384-14	VDE 40010694
Alternative	Foshan City Xin Yuan Electronic Co., Ltd	MKP-X2	0,1 μ F; 275VAC; T100	EN 60384-14	VDE 40027433
Fuse	Hollyland (China) Electronics Technology Co., Ltd	50CT(P)-100H 250V	T; 10A; 250VAC	EN 60127-1 EN 60127-2	VDE 40014896
Alternative	DongGuan Better Electronics Technology Co., Ltd.	524-10A/250V	T; 10A; 250VAC	EN 60127-1 EN 60127-2	VDE 40020107
Varistor	SHENZHEN CHENJU ELECTRONIC TECHNOLOGY CO., LTD	CNJU14D681K-K	680V; 120A; T85	EN 60127-1 EN 60127-2	VDE 40008220
Alternative	SHENZHEN CHENJU ELECTRONIC TECHNOLOGY CO., LTD	CNJU14D681KM	680V; 120A; T85	EN 60127-1 EN 60127-2	VDE 40008220
Alternative	GUANGXI NEW FUTURE	NFC14D681KM	680V; 120A; T85	EN 60127-1 EN 60127-2	VDE 40030322

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	INFORMATION INDUSTRY CO., LTD.				
Relay I	Sanyou Corporation Limited	SRB-SH-112DM2	5A; 277VAC; Ex mark: 85°C; 100000 cycles	EN 61810-1	VDE 40033402
Alternative	Tyco Electronics(Shenzhen) Co., Ltd	PCJ-112D3MH- WG	5A; 250VAC; Ex mark: 85°C; 100000 cycles	EN 61810-1	VDE 40009151
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD	MPR-S-112-A	5A; 250VAC; Ex mark: 85°C; 100000 cycles	EN 61810-1	TUV R 50217035
Relay II	Sanyou Corporation Limited	SMIH-SH-112LM	17A; 277VAC; Ex mark: 85°C; 100000 cycles	EN 61810-1	VDE 40034054
Alternative	Tyco Electronics(Shenzhen) Co., Ltd	OMIH-SH-112LM	240VAC; 16A; Ex, mark: 85°C; 100000 cycles	EN 61810-1	TUV R 50139138
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD	MPJ-S-112-A-2	250VAC; 16A; Ex, mark: 85°C; 100000 cycles	EN 61810-1	TUV R 50294981
Relay III	Sanyou Corporation Limited	SRD-SH-112D2	250VAC; 10A; T mark: 85°C; 100000 cycles	EN 61810-1, EN 60079-15, GB 3836.1, GB 3836.8	VDE 40034479 & PCEC CE15.1305U
Alternative	ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO., LTD	MPA-S-112-C	250VAC; 10A; T mark: 85°C; 100000 cycles	EN 61810-1, EN 60079-0, EN 60079- 15	TUV R 50184948 & TUV AK 50410084 0001
Optocoupler I	SHARP CORP ELECTRONIC COMPONENTS AND DEVICES COMPANY	PC817	Input: If=50mA, V _r =6V; Output: V _{eco} =6V, I _{eco} =50mA	EN 60747-5-2	VDE 40008087
Alternative	Fairchild semiconductor Pte LTD	FOD817	Thicknes through insulation>0.4mm Operating temperature range:-55 ~110 Maximum transient isolation voltage:8000V	EN 60747-5-2	VDE 40026857
Alternative	Lite-on Technology Corporation	LTV-816	Thicknes through insulation>0.4mm Operating temperature range:-55 ~110 Maximum transient isolation voltage:8000V	EN 60747-5-2	VDE 40015248
Alternative	EVERLIGHT ELECTRONICS CO LTD	EL816	5000 vac isolation Operating temperature range:-55~110	EN 60747-5-2	VDE 132249
Alternative	CHANGZHOU GALAXY CENTURY MICRO- ELECTRONICS CO LTD	BL817	Operating temperature range:-30 ~100, transient isolation voltage:5000V	EN 60747-5-2	VDE 40034140
Inductor	ZHONGSHAN COIN ELECTRONICS CO.,LTD	EE25-3A-12mH	3A; 12mH	EN 60335-2-40	Tested with appliance
Alternative	Dongguan Dazhong ELECTRONICS CO.,LTD	EE25-3A-12mH	3A; 12mH	EN 60335-2-40	Tested with appliance

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Alternative	MAANSHAN COINER ELECTRONICS CO.,LTD.	EE25-3A-12mH	3A; 12mH	EN 60335-2-40	Tested with appliance
Alternative	QingDao Yunlu Energy Technology CO.,LTD.	EE25-3A-12mH	3A; 12mH	EN 60335-2-40	Tested with appliance
Alternative	HUI ZHOU JIA YANG CORE NEW-TECH CO.,LTD	EE25-3A-12mH	3A; 12mH	EN 60335-2-40	Tested with appliance
Alternative	SHENZHEN JEWEL ELECTRONIC CO., LTD	JLB25104A	3A; 12mH	EN 60335-2-40	Tested with appliance
Alternative	WU HAN CHENG YANG CORE NEW-TECH CO.,LTD	EE25-3A-12mH	3A; 12mH	EN 60335-2-40	Tested with appliance
Alternative	WEIMEI ELECTRONICS FACTORY DONG GUAN CITY	EE25-3A-12mH	3A; 12mH	EN 60335-2-40	Tested with appliance
Temperature acquisition control board					
Main Control Board	GD Midea Air-Conditioning Equipment Co., Ltd	CE-TemperatureBoard. D.1.1.1.1	--	EN 60335-2-40	Tested with appliance
Transformer	FOSHAN SHUNDE ZHANLIANG INDUSTRIALIST CO.,LTD	TC220-EI41-13.5/35+19/5	Input: 176-264VAC; 50/60Hz; Output 1: 13,5V ± 5%; 350mA; Output 2: 19V; 50mA; Class B	EN 60335-2-40	Tested with appliance
Capacitor X2	Xiamen Faratronic Co. Ltd.	MKP62	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40000358
Alternative	ULTRA TECH XIPHI ENTERPRISE CO LTD	HQX, HCR or HQXR	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40024534
Alternative	Foshan City Xin Yuan Electronic Co., Ltd	MKP-X2	0,1µF; 275VAC; 100°C	EN 60384-14	VDE 40027433
Terminal block I	Shanghai Hebi Electrical Equipment Co.,Ltd.of Shunde,Foshan	T5312-3-2P	250VAC; 10A; 1,5mm ²	EN 60335-2-40	Tested with appliance
Alternative	DECA Switchlab Inc.	T21-BM1002CD02	300VAC; 10A; 1,5mm ²	EN 60335-2-40	Tested with appliance
Alternative	Excel Cell Electronic Co Ltd (ECE)	ETB5402202021Z	300VAC; 10A; 1,5mm ²	EN 60335-2-40	Tested with appliance
Fuse	Hollyland (China) Electronics Technology Co., Ltd	50CT T5AH 250V	T; 5A; 250VAC	EN 60127-1 EN 60127-2	VDE 40014896
Alternative	DongGuan Better Electronics Technology Co., Ltd.	524-5A/250V	T; 5A; 250VAC	EN 60127-1 EN 60127-2	VDE 40020107
Varistor	SHENZHEN CHENJU ELECTRONIC TECHNOLOGY CO., LTD	CNJU14D681K-K	680V; 120A; T85	IEC 61051-1 IEC 61051-2	VDE 40008220
Alternative	SHENZHEN CHENJU ELECTRONIC TECHNOLOGY CO., LTD	CNJU14D681KM	680V; 120A; T85	IEC 61051-1 IEC 61051-2	VDE 40008220

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Alternative	GUANGXI NEW FUTURE INFORMATION INDUSTRY CO., LTD.	NFC14D681KM	680V; 120A; T85	IEC 61051-1 IEC 61051-2	VDE 40030322
Alternative	NANJING SHAGON ELECTRONICS CO.,LTD.	MYG14K681N	680V; 120A; T85	IEC 61051-1 IEC 61051-2	CQC 09001033923
Alternative	Panasonic Corporation	ERZE11A681CS	680V; 110A; T85	IEC 61051-1 IEC 61051-2	VDE 40035231
Optocoupler I	SHARP CORP ELECTRONIC COMPONENTS AND DEVICES COMPANY	PC817	Input:If=50mA,Vr=6V; Output:Veco=6V,Ieco=50mA	EN 60747-5-2	VDE 40008087
Alternative	Fairchild semiconductor Pte LTD	FOD817	Thicknes through insulation>0.4mm Operating temperature range:-55 ~ 110 Maximum transient isolation voltage:8000V	EN 60747-5-2	VDE 40026857
Alternative	Lite-on Technology Corporation	LTV-816	Thicknes through insulation>0.4mm Operating temperature range:-55 ~ 110 Maximum transient isolation voltage:8000V	EN 60747-5-2	VDE 40015248
Alternative	EVERLIGHT ELECTRONICS CO LTD	EL816	5000 vac isolation Operating temperature range:-55 ~ 110	EN 60747-5-2	VDE 132249
Alternative	CHANGZHOU GALAXY CENTURY MICRO-ELECTRONICS CO LTD	BL817	Operating temperature range:-30 ~ 100, transient isolation voltage:5000V	EN 60747-5-2	VDE 40034140

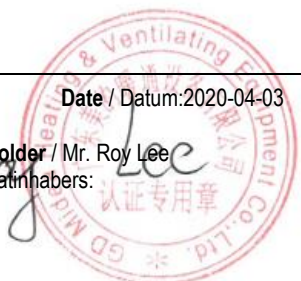
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Label / Typenschild

MONOBLOC HEAT PUMP	
MODEL	MHC-V12W/D2RN8
COOLING CAPACITY	12.20kW
HEATING CAPACITY	12.30kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	6500W
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	172kg
REFRIGERANT	R32/2800g
GWP	675
EQUIVALENT CO ₂	1.89t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
Hermetically sealed equipment contains fluorinated greenhouse gases	
	
GD Midea Heating & Ventilating Equipment Co., Ltd. (Penglai Industry Road, Beijiao, Shunde, Foshan, Guangdong, P.R. China)	

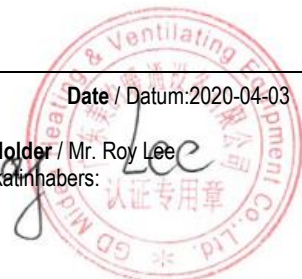
MONOBLOC HEAT PUMP	
MODEL	MHC-V14W/D2RN8
COOLING CAPACITY	14.00kW
HEATING CAPACITY	14.10kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	6500W
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	172kg
REFRIGERANT	R32/2800g
GWP	675
EQUIVALENT CO ₂	1.89t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
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MONOBLOC HEAT PUMP	
MODEL	MHC-V16W/D2RN8
COOLING CAPACITY	15.50kW
HEATING CAPACITY	16.30kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	6500W
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	172kg
REFRIGERANT	R32/2800g
GWP	675
EQUIVALENT CO ₂	1.89t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
Hermetically sealed equipment contains fluorinated greenhouse gases	
	
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MONOBLOC HEAT PUMP	
MODEL	MHC-V12W/D2RN8-E
COOLING CAPACITY	12.20kW
HEATING CAPACITY	12.30kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	6500W-4500W (BACKUP HEATER)
BACKUP HEATER RATED POWER INPUT	4500W
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	177kg
REFRIGERANT	R32/2800g
GWP	675
EQUIVALENT CO ₂	1.89t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
Hermetically sealed equipment contains fluorinated greenhouse gases	
	
GD Midea Heating & Ventilating Equipment Co., Ltd. (Penglai Industry Road, Beijiao, Shunde, Foshan, Guangdong, P.R. China)	

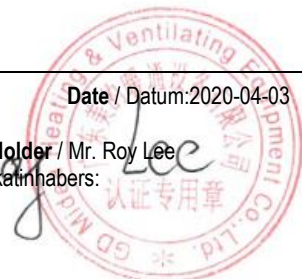
MONOBLOC HEAT PUMP	
MODEL	MHC-V14W/D2RN8-E
COOLING CAPACITY	14.00kW
HEATING CAPACITY	14.10kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	6500W-4500W (BACKUP HEATER)
BACKUP HEATER RATED POWER INPUT	4500W
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	177kg
REFRIGERANT	R32/2800g
GWP	675
EQUIVALENT CO ₂	1.89t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
Hermetically sealed equipment contains fluorinated greenhouse gases	
	
GD Midea Heating & Ventilating Equipment Co., Ltd. (Penglai Industry Road, Beijiao, Shunde, Foshan, Guangdong, P.R. China)	

MONOBLOC HEAT PUMP	
MODEL	MHC-V16W/D2RN8-E
COOLING CAPACITY	15.50kW
HEATING CAPACITY	16.30kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	6500W-4500W (BACKUP HEATER)
BACKUP HEATER RATED POWER INPUT	4500W
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	177kg
REFRIGERANT	R32/2800g
GWP	675
EQUIVALENT CO ₂	1.89t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
Hermetically sealed equipment contains fluorinated greenhouse gases	
	
GD Midea Heating & Ventilating Equipment Co., Ltd. (Penglai Industry Road, Beijiao, Shunde, Foshan, Guangdong, P.R. China)	

Test Report No. / Prüfbericht Nr.: 64.111.18.05280.03 Rev.00

Place / Ort: Shunde

Date / Datum: 2020-04-03

Name of Project manager / Duke Yang
Name Projektleiter:Name, seal and signature of Certificate Holder / Mr. Roy Lee
Name, Stempel und Unterschrift des Zertifikathabers:

Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

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MONOBLOC HEAT PUMP	
MODEL	MHC-V18W/D2RN8
COOLING CAPACITY	19.0kW
HEATING CAPACITY	18.0kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	10.6kW
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	177kg
REFRIGERANT	R32/5000g
GWP	675
EQUIVALENT CO ₂	3.38t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
Hermetically sealed equipment contains fluorinated greenhouse gases	
	
GD Midea Heating & Ventilating Equipment Co.,Ltd. (Penglail Industry Road, Beijiao, Shunde, Foshan, Guangdong, P.R.China)	

MONOBLOC HEAT PUMP	
MODEL	MHC-V22W/D2RN8
COOLING CAPACITY	23.0kW
HEATING CAPACITY	22.0kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	12.5kW
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	177kg
REFRIGERANT	R32/5000g
GWP	675
EQUIVALENT CO ₂	3.38t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
Hermetically sealed equipment contains fluorinated greenhouse gases	
	
GD Midea Heating & Ventilating Equipment Co.,Ltd. (Penglail Industry Road, Beijiao, Shunde, Foshan, Guangdong, P.R.China)	

MONOBLOC HEAT PUMP	
MODEL	MHC-V26W/D2RN8
COOLING CAPACITY	27.0kW
HEATING CAPACITY	26.0kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	13.8kW
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	177kg
REFRIGERANT	R32/5000g
GWP	675
EQUIVALENT CO ₂	3.38t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
Hermetically sealed equipment contains fluorinated greenhouse gases	
	
GD Midea Heating & Ventilating Equipment Co.,Ltd. (Penglail Industry Road, Beijiao, Shunde, Foshan, Guangdong, P.R.China)	

MONOBLOC HEAT PUMP	
MODEL	MHC-V30W/D2RN8
COOLING CAPACITY	31.0kW
HEATING CAPACITY	30.1kW
POWER SOURCE	380-415V 3N~ 50Hz
RATED INPUT	14.5kW
RATED WATER PRESSURE	0.1-0.3MPa
NET WEIGHT	177kg
REFRIGERANT	R32/5000g
GWP	675
EQUIVALENT CO ₂	3.38t
EXCESSIVE OPERATING PRESSURE	HIGH 4.2MPa LOW 2.6MPa
MAXIMUM ALLOWABLE PRESSURE	4.2MPa
OUTDOOR RESISTANCE CLASS	IP24
	
Hermetically sealed equipment contains fluorinated greenhouse gases	
	
GD Midea Heating & Ventilating Equipment Co.,Ltd. (Penglail Industry Road, Beijiao, Shunde, Foshan, Guangdong, P.R.China)	

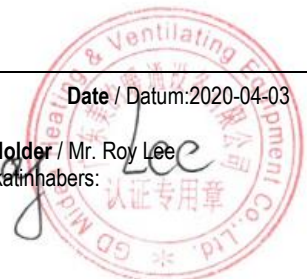


Remark:

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1. The height of CE marking shall be higher than 5mm and the height of WEEE marking shall be higher than 7mm.
2. The height of the triangle "Caution: risk of fire" shall be at least 10mm in nameplate (can no colour).
3. The height of the triangle "Caution: risk of fire" shall be at least 30mm in Products and packing cases.
4. The height of the read operator's manual, operator's manual and service indicator, read technical manual shall be at least 10mm in Products.
5. The rating labels with trademark MDV is the same as above rating labels with trademark Midea except for the trademark is different.
6. According to the EU directives which have been aligned with EU NLF (new legislative framework), both of manufacturer and importer's name and address shall be affixed on the product or, where that is not possible, on its packaging or in a document accompanying the product before the product is placed on the EU market.

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Name Projektleiter:**Name, seal and signature of Certificate Holder** / Mr. Roy Lee
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