INFORMATION REQUIREMENTS FOR HEAT PUMPS

All DC Inverter V8/V8i PRO Series VRF Outdoor Unit

Thank you very much for purchasing our air conditioner, Before using your air conditioner , please read this manual carefully and keep it for future reference.

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1 FOR V8 PRO COMBINABLE SERIES

8HP

Cooling mode:

Info	ormatic	on requ	irement	s f	for air-to-air cond	itione	rs	
Model(s):MV8-252WV2 Test matching indoor u	RN1E(PRC nits form, ca) ssette: 1×M	IH45Q4N18(0	Q)+:	3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner:	air					
Indoor side heat excha	nger of air c	onditioner: a	iir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	25.20	kW		Seasonal space cooling energy efficiency	ηs,c	290.3	%
Declared cooling ca temperatures Tj an	pacity for pa d indoor 27/	rt load at giv 19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	25.20	kW		Tj=+35°C	EER₫	3.21	
Tj=+30°C	Pdc	18.57	kW		Tj=+30°C	EER₫	4.96	
Tj=+25°C	Pdc	11.94	kW		Tj=+25°C	EER₫	8.35	
Tj=+20°C	Pdc	7.83	kW		Tj=+20°C	EER₫	16.60	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	imption in mo	des	s other than "active mode"		•	
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
		•	Oth	er ite	ems		•	
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		12600	m³/h
Sound power level, outdoor	Lwa	83	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)If Cdc is not determin	ed by meas	urement, the	en the default	deç	gradation coefficient of heat ρι	imps shall	be 0.25.	

Heating mode:

Information requirements for heat pumps

Model(s):MV8-252WV2RN1E(PRO)

Test matching indoor units form, cassette: 1×MIH45Q4N18(Q)+3×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	25.20	kW		Seasonal space heating energy efficiency	η s,h	170.0	%		
Declared heating teperature 20°C	Declared heating capacity for par teperature 20°C and outdoor ter				Declared coefficient of performance or gas utili efficiency/auxiliary energy factor for part load at outdoor temperatures Tj			isation t given		
Tj=-7°C	Pdh	12.12	kW		Tj=-7°C	COPd	2.68			
Tj=+2°C	Pdh	7.38	kW		Tj=+2°C	COPd	4.17			
Tj=+7°C	Pdh	5.57	kW		Tj=+7°C	COPd	6.11			
Tj=+12°C	Pdh	6.24	kW		Tj=+12°C	COPd	7.65			
T _{biv} =bivalent temperature	Pdh	13.70	kW		Tbiv =bivalent temperature	COPd	2.26			
To∟=operation temperature	Pdh	13.70	kW		ToL =operation temperature	COPd	2.26			
Bivalent temperature	Tbiv	-10	°C							
				_	1					
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in	Power consumption in modes other than "active mode"				Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рsв	0.005	kW		
			Oth	er it	ems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		12600	m³/h		
Sound power level,outdoor	Lwa	83	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determin	ned by meas	surement, th	en the defaul	t de	gradation coefficient of heat p	umps shall	l be 0.25.			

Cooling mode:

Information requirements for air-to-air conditioners

Model(s):MV8-280WV2RN1E(PRO)

Test matching indoor units form, cassette: 3×MIH71Q4N18(Q)+1×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

Type: compressor driven

Driver of compressor: electric motor Item Symbol Value Unit Item Symbol Value Unit Seasonal space cooling Rated cooling capacity 28.00 kW 287.0 % Prated,c ηs,c energy efficiency Declared energy efficiency ratio or gas utilisation efficiency Declared cooling capacity for part load at given outdoor /auxiliary energy factor for part load at given outdoor temperatures Tj and indoor 27/19°C (dry/wet bulb) temperatures Tj Tj=+35°C 28.00 kW Tj=+35°C EERd 3.20 Pdc ---Tj=+30°C Pdc 20.63 kW Tj=+30°C EERd 4.81 ---Pdc Tj=+25°C 13.26 kW Tj=+25°C EERd 8.15 ---Tj=+20°C Pdc 7.97 kW Tj=+20°C EERd 17.03 ---Degradation co-efficient for air 0.25 Cdc ___ conditioners(*) Power consumption in modes other than "active mode" Off mode POFF 0.005 kW Crankcase heater mode Рск 0.005 kW Thermosat-off mode kW Standby mode kW Рто 0.005 Psb 0.005 Other items For air-to-air air conditioner: Capacity control variable air flow rate, outdoor ___ 12600 m³/h measured Sound power Lwa 84 dB level, outdoor kg CO₂ eq GWP of the refrigerant 2088 (100years)

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8-280WV2RN1E(PRO) Test matching indoor units form, cassette: 3×MIH71Q4N18(Q)+1×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	28.00	kW		Seasonal space heating energy efficiency	η s,h	167.7	%		
Declared heating teperature 20°0) capacity fo C and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of performance or gas utilisat efficiency/auxiliary energy factor for part load at gi outdoor temperatures Tj					
Tj=-7°C	Pdh	14.15	kW		Tj=-7°C	COPd	2.50			
Tj=+2°C	Pdh	8.62	kW		Tj=+2°C	COPd	4.07			
Tj=+7°C	Pdh	5.77	kW		Tj=+7°C	COPd	6.18			
Tj=+12°C	Pdh	6.45	kW		Tj=+12°C	COPd	7.73			
T _{biv} =bivalent temperature	Pdh	16.00	kW		Tbiv =bivalent temperature	COPd	2.10	-		
To∟=operation temperature	Pdh	16.00	kW		ToL =operation temperature	COPd	2.10	-		
Bivalent temperature	Tbiv	-10	°C							
					I					
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW		
			Othe	ər it	ems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		12600	m³/h		
Sound power level,outdoor	Lwa	84	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)	(*)									
(**)If Cdh is not determin	ned by meas	surement, th	en the defaul	t de	gradation coefficient of heat p	umps shall	be 0.25.			

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Cooling mode:

Info	ormatic	on requ	irements	s for air-to-air cond	ditione	rs	
Model(s):MV8-335WV2 Test matching indoor u	RN1E(PRC)) assette: 3×M	IIH45Q4N18(C	Q)+3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	- conditioner	: air				
Indoor side heat excha	nger of air c	onditioner: a	air				
Type: compressor drive	en						
Driver of compressor: e	electric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	33.50	kW	Seasonal space cooling energy efficiency	Ŋs,c	284.5	%
Declared cooling ca temperatures Tj an	bacity for pa d indoor 27	art load at gi /19°C(dry/v	ven outdoor wet bulb)	Declared energy efficiency /auxiliary energy factor for tempe	ratio or gas or part load eratures Tj	utilisation at given or	efficiency utdoor
Tj=+35°C	Pdc	33.50	kW	Tj=+35°C	EERd	2.88	
Tj=+30°C	Pdc	24.68	kW	Tj=+30°C	EERd	4.84	
Tj=+25°C	Pdc	15.87	kW	Tj=+25°C	EERd	8.23	
Tj=+20°C	Pdc	8.87	kW	Tj=+20°C	EERd	16.68	
		•					
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power cons	umption in mo	des other than "active mode"		•	•
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
		•	Othe	er items			
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured		13500	m³/h
Sound power level, outdoor	Lwa	85	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							
(*)If Cdc is not determin	ed by meas	urement, the	en the default	degradation coefficient of heat p	oumps shall	be 0.25.	

Heating mode:

Information requirements for heat pumps

Model(s):MV8-335WV2RN1E(PRO)

Test matching indoor units form, cassette: 3×MIH45Q4N18(Q)+3×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	33.50	kW		Seasonal space heating energy efficiency	η s,h	168.5	%		
Declared heating teperature 20°0	g capacity fo C and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of performance or gas util efficiency/auxiliary energy factor for part load a outdoor temperatures Tj			isation t given		
Tj=-7°C	Pdh	16.28	kW		Tj=-7°C	COPd	2.50			
Tj=+2°C	Pdh	9.91	kW		Tj=+2°C	COPd	3.97			
Tj=+7°C	Pdh	6.37	kW		Tj=+7°C	COPd	6.50			
Tj=+12°C	Pdh	6.44	kW		Tj=+12°C	COPd	8.30			
T _{biv} =bivalent temperature	Pdh	18.40	kW		T _{biv} =bivalent temperature	COPd	2.18			
To∟=operation temperature	Pdh	18.40	kW		ToL =operation temperature	COPd	2.18			
Bivalent temperature	Tbiv	-10	°C							
			1							
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW		
			Oth	er it	ems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		13500	m³/h		
Sound power level,outdoor	Lwa	85	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determin	ned by meas	surement, th	en the defaul	t de	gradation coefficient of heat p	umps shall	be 0.25.			

Cooling mode:

Info	ormatic	on requ	irement	s 1	for air-to-air cond	itione	rs	
Model(s):MV8-400WV2	RN1E(PRC))			4×MIL18004N148(0)			
Test matching indoor ui	nits form, ca	Isselle: Z×IVI	IH45Q4N18(U	J)+	4×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchai	nger of air c	onditioner: a	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	40.00	kW		Seasonal space cooling energy efficiency	ηs,c	288.1	%
Declared cooling capacity for part load at given outdoo temperatures Tj and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation of at given of	efficiency utdoor
Tj=+35°C	Pdc	40.00	kW		Tj=+35°C	EER₫	2.85	
Tj=+30°C	Pdc	29.47	kW		Tj=+30°C	EER₫	4.78	
Tj=+25°C	Pdc	18.95	kW		Tj=+25°C	EER₫	8.25	
Tj=+20°C	Pdc	8.42	kW		Tj=+20°C	EERd	17.63	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
			Othe	ər it	tems			
Capacity control	Capacity control variable				For air-to-air air conditioner: air flow rate, outdoor measured		15600	m³/h
Sound power level, outdoor	Lwa	86	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8-400WV2 Test matching indoor u	2RN1E(PRC nits form, ca)) assette: 2×M	IIH45Q4N18(Q)+	-4×MIH80Q4N18(Q)							
Iest matching indoor units form, cassette: 2×MIH45Q4N18(Q)+4×MIH80Q4N18(Q) Outdoor side heat exchanger of air conditioner: air												
Indoor side heat exchanger of air conditioner: air												
If the heater is equipped	d with a sup	plementary	heater: no									
Driver of compressor: electric motor												
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.												
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit				
Rated heating capacity	Prated,h	40.00	kW		Seasonal space heating energy efficiency	η s,h	171.8	%				
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tj					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _i							
Tj=-7°C	Pdh	19.46	kW		Tj=-7°C	COPd	2.58					
Tj=+2°C	Pdh	11.85	kW		Tj=+2°C	COPd	4.11					
Tj=+7°C Pdh 7.62 kW Tj=+7°C COPd 6.43 Tj=+40°C Dir 7.70 IMM Tj=+40°C 0.000 0.40												
Tj=+12°C Pdh 7.79 kW Tj=+12°C COPd 8.16												
T _{biv} =bivalent temperature	Pdh	22.00	kW		T _{biv} =bivalent temperature	COPd	2.16					
To∟=operation temperature	Pdh	22.00	kW		To∟ =operation temperature	COPd	2.16					
Bivalent temperature Tbiv -10 °C												
Degradation co-efficient for heat pumps(**)	Cdh	0.25										
Power consumption in r	modes other	r than "active	e mode"		Supplementary heater							
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW				
Thermosat-off mode	Рто	0.005	kW		Type of energy input							
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW				
			Othe	er it	ems							
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		15600	m³/h				
Sound power level,outdoor	Lwa	86	dB									
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)									
Contact details												
(*)												
(**)If Cdh is not determin	ied by meas	surement, the	en the defaul	t de	gradation coefficient of heat p	umps shall	be 0.25.					
Where information relat	es to multi-	solit heat ou	mns ythe tes	t re	sult and performance data ma	v he ohtair	ed on the	hasis of				

Cooling mode:

Info	ormatic	on requ	irement	s i	for air-to-air cond	itione	rs	
Model(s):MV8-450WV2 Test matching indoor ur	RN1E(PRC) issette: 1×M	IH71Q4N18(0	ב)+	5×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchai	nger of air c	onditioner: a	ir					
Type: compressor drive	n							
Driver of compressor: e	lectric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	45.00	kW		Seasonal space cooling energy efficiency	ηs,c	270.1	%
Declared cooling cap temperatures Tj an	bacity for pa d indoor 27/	rt load at giv /19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation of at given of	efficiency utdoor
Tj=+35°C	Pdc	45.00	kW		Tj=+35°C	EERd	2.45	
Tj=+30°C	Pdc	33.16	kW		Tj=+30°C	EER₫	4.38	
Tj=+25°C	Pdc	21.32	kW		Tj=+25°C	EERd	7.93	
Tj=+20°C	Pdc	9.47	kW		Tj=+20°C	EERd	17.87	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	imption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
			Othe	ər it	iems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		15600	m³/h
Sound power level, outdoor	Lwa	86	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat pu	imps shall	be 0.25.	

Heating mode:

Information requirements for heat pumps

Model(s):MV8-450WV2RN1E(PRO)

Test matching indoor units form, cassette: 1×MIH71Q4N18(Q)+5×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	45.00	kW		Seasonal space heating energy efficiency	η s,h	167.7	%		
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor ıres Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	isation t given		
Tj=-7°C	Pdh	21.89	kW		Tj=-7°C	COPd	2.47			
Tj=+2°C	Pdh	13.33	kW		Tj=+2°C	COPd	4.00			
Tj=+7°C	Pdh	8.57	kW		Tj=+7°C	COPd	6.36			
Tj=+12°C	Pdh	8.01	kW		Tj=+12°C	COPd	8.18			
T _{biv} =bivalent temperature	Pdh	24.75	kW		T _{biv} =bivalent temperature	COPd	2.06			
ToL=operation temperature	Pdh	24.75	kW		ToL =operation temperature	COPd	2.06			
Bivalent temperature	Tbiv	-10	°C							
					1					
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рsв	0.005	kW		
			Oth	er it	iems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		15600	m³/h		
Sound power level,outdoor	Lwa	86	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determin	ned by meas	surement, th	en the defaul	t de	egradation coefficient of heat p	umps shall	be 0.25.			

Cooling mode:

Info	ormatic	on requ	irement	s i	for air-to-air cond	itione	rs	
Model(s):MV8-500WV2 Test matching indoor u	RN1E(PRC nits form, ca) ssette:2×MI	H45Q4N18(C	2)+ €	6×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner:	air					
Indoor side heat excha	nger of air c	onditioner: a	iir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	50.00	kW		Seasonal space cooling energy efficiency	Ŋs,c	278.2	%
Declared cooling ca temperatures Tj an	bacity for pa d indoor 27/	rt load at giv /19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	50.00	kW		Tj=+35°C	EERd	2.76	
Tj=+30°C	Pdc	36.84	kW		Tj=+30°C	EER₫	4.62	
Tj=+25°C	Pdc	23.68	kW		Tj=+25°C	EERd	8.08	
Tj=+20°C	Pdc	10.81	kW		Tj=+20°C	EERd	16.16	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	I	Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
			Othe	ər it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		22000	m³/h
Sound power level, outdoor	Lwa	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8-500WV2RN1E(PRO)

Test matching indoor units form, cassette:2×MIH45Q4N18(Q)+6×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

ItemSymbolValueUnitItemSymbolRated heating capacityPrated,h50.00kWSeasonal space heating energy efficiencyηs,hDeclared heating capacity for part load at indoor teperature 20°C and outdoor temperatures TjDeclared coefficient of performance efficiency/auxiliary energy factor for outdoor temperaturesTj=-7°CPdh24.33kWTj=-7°CCOPdTj=+2°CPdh14.81kWTj=+2°CCOPdTj=+12°CPdh9.52kWTj=+12°CCOPdTj=+12°CPdh6.27kWTj=+12°CCOPdTj=+12°CPdh6.27kWTj=+12°CCOPdTou=operationPdh27.50kWTou = operation temperatureCOPd	Value 167.0	Unit				
Rated heating capacityPrated,h50.00kWSeasonal space heating energy efficiencyηs,hDeclared heating capacity for part load at indoor teperature 20°C and outdoor temperatures TjDeclared coefficient of performance efficiency/auxiliary energy factor for 	167.0	0/_				
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures TjDeclared coefficient of performance efficiency/auxiliary energy factor for outdoor temperaturesTj=-7°CPdh24.33kWTj=-7°CCOPdTj=+2°CPdh14.81kWTj=+2°CCOPdTj=+7°CPdh9.52kWTj=+7°CCOPdTj=+12°CPdh6.27kWTj=+12°CCOPdTbiv=bivalent temperaturePdh27.50kWToL =operation temperatureCOPd		70				
Tj=-7°CPdh24.33kWTj=-7°CCOPdTj=+2°CPdh14.81kWTj=+2°CCOPdTj=+7°CPdh9.52kWTj=+7°CCOPdTj=+12°CPdh6.27kWTj=+12°CCOPdTbiv=bivalent temperaturePdh27.50kWTbiv=bivalent temperatureCOPdToL=operation temperaturePdh27.50kWToL=operation temperatureCOPd	or gas utilisa part load at g s Tj	ation given				
Tj=+2°CPdh14.81kWTj=+2°CCOPdTj=+7°CPdh9.52kWTj=+7°CCOPdTj=+12°CPdh6.27kWTj=+12°CCOPdTbiv=bivalent temperaturePdh27.50kWTbiv=bivalent temperatureCOPdToL=operation temperaturePdh27.50kWToL=operation temperatureCOPd	2.55					
Tj=+7°CPdh9.52kWTj=+7°CCOPdTj=+12°CPdh6.27kWTj=+12°CCOPdTbiv=bivalent temperaturePdh27.50kWTbiv=bivalent temperatureCOPdToL=operation temperaturePdh27.50kWToL=operation temperatureCOPd	3.89					
Tj=+12°CPdh6.27kWTj=+12°CCOPdTbiv=bivalent temperaturePdh27.50kWTbiv=bivalent temperatureCOPdToL=operation temperaturePdh27.50kWToL=operation temperatureCOPd	6.58					
Tbiv=bivalent temperaturePdh27.50kWTbiv = bivalent temperature $COPd$ ToL=operation temperaturePdh27.50kWToL = operation temperature $COPd$	7.30					
ToL=operation Pdh 27.50 kW ToL=operation temperature COPd	2.13					
temperature	2.13					
Bivalent temperature Tbiv -10 °C						
Degradation co-efficient for Cdh heat pumps(**)						
Power consumption in modes other than "active mode" Supplementary heat	Supplementary heater					
Off mode POFF 0.005 kW Back-up heating capacity(*) elbu	0	kW				
Thermosat-off mode PTO 0.005 kW Type of energy input	· · · ·					
Crankcase heater mode Рск 0.005 kW Standby mode PsB	0.005	kW				
Other items						
Capacity control variable For air-to-air heat pump: air flow rate, outdoor measured	22000	m³/h				
Sound power level,outdoor Lwa 88 dB						
GWP of the refrigerant 2088 kg CO _{2 eq} (100years)						
Contact details						
(*)						
(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall						

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Cooling mode:

Info	ormatic	on requ	irement	s i	for air-to-air cond	litione	rs		
Model(s):MV8-560WV2	RN1E(PRC))							
Test matching indoor ui	nits ionn, ca			(ג					
Outdoor side heat exch	anger of air	conditioner	air						
Indoor side heat excha	nger of air c	onditioner: a	nir						
Type: compressor drive	en								
Driver of compressor: e	electric moto	r							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	56.00	kW		Seasonal space cooling energy efficiency	ηs,c	262.2	%	
Declared cooling capacity for part load at given outdoo temperatures Tj and indoor 27/19°C (dry/wet bulb) Ti=+35°C Pdc 56.00 kW					Declared energy efficiency ratio or gas utilisation efficience /auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=+35°C	j=+35°C Pdc 56.00 kW Tj=+35°C EERd 2.54								
Tj=+30°C	Pdc	41.26	kW		Tj=+30°C	EERd	4.37		
Tj=+25°C	Pdc	26.53	kW		Tj=+25°C	EERd	7.60		
Tj=+20°C Pdc 11.79 kW					Tj=+20°C	EERd	15.60		
Degradation co-efficient for air conditioners(*)	Cdc	0.25							
	I	Power consu	umption in mo	des	s other than "active mode"				
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW	
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW	
			Othe	er it	ems				
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		22000	m³/h	
Sound power level, outdoor	Lwa	89	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8-560WV2RN1E(PRO) Test matching indoor units form,cassette: 8×MIH71Q4N18(Q)										
Outdoor side heat exch	anger of air	conditioner:	air							
Indoor side heat exchar	nger of air c	onditioner: a	ir							
If the heater is equipped	d with a sup	plementary	heater: no							
Driver of compressor: e	lectric moto	r								
Parameters shall be de optional.	clared for th	e average h	eating seaso	n, p	parameters for the warmer and	colder hea	ating seaso	ons are		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	56.00	kW		Seasonal space heating energy efficiency	η s,h	165.0	%		
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tj					Declared coefficient of per efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	sation t given		
Tj=-7°C	Pdh	27.42	kW		Tj=-7°C	COPd	2.64			
Tj=+2°C	Pdh	16.69	kW		Tj=+2°C	COPd	3.79			
Tj=+7°C	Pdh	10.73	kW		Tj=+7°C	COPd	6.41			
Tj=+12°C	Pdh	5.68	kW		Tj=+12°C	COPd	7.09			
T _{biv} =bivalent temperature	Pdh	31.00	kW		T _{biv} =bivalent temperature	COPd	2.13			
To∟=operation temperature	Pdh	31.00	kW		ToL =operation temperature	COPd	2.13			
Bivalent temperature	Tbiv	-10	°C							
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in r	modes othe	r than "active	e mode"		Supplemer	ntary heate	er			
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рsв	0.005	kW		
			Othe	ər it	ems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		22000	m³/h		
Sound power Lwa 89 dB										
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determin	ned by meas	surement, th	en the defaul	t de	egradation coefficient of heat p	umps shall	be 0.25.			

Cooling mode:

Information requirements for air-to-air conditioners

		•						
Model(s):MV8-615WV2 Test matching indoor u	RN1E(PRO nits form, ca) ssette:8×MI	H80Q4N18(C	2)				
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	air					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	61.50	kW		Seasonal space cooling energy efficiency	ηs,c	262.3	%
Declared cooling ca temperatures Tj an	pacity for pa d indoor 27/	rt load at giv 19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load ratures Tj	utilisation o at given ou	efficiency utdoor
Tj=+35°C	Pdc	61.50	kW		Tj=+35°C	EERd	2.38	
Tj=+30°C	Pdc	45.32	kW		Tj=+30°C	EERd	4.53	
Tj=+25°C	Pdc	29.13	kW		Tj=+25°C	EER₫	7.54	
Tj=+20°C	Pdc	12.95	kW		Tj=+20°C	EERd	15.75	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"	•		
Off mode	POFF	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Psb	0.005	kW
		•	Othe	ər it	ems	•		
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		21500	m³/h
Sound power level, outdoor	Lwa	89	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8-615WV2RN1E(PRO)

Test matching indoor units form, cassette: 8×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	61.50	kW		Seasonal space heating energy efficiency	η s,h	172.6	%		
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of performance or gas efficiency/auxiliary energy factor for part load outdoor temperatures Tj			isation t given		
Tj=-7°C	Pdh	29.90	kW		Tj=-7°C	COPd	2.66			
Tj=+2°C	Pdh	18.20	kW		Tj=+2°C	COPd	4.07			
Tj=+7°C	Pdh	11.70	kW		Tj=+7°C	COPd	6.53			
Tj=+12°C	Pdh	6.75	kW		Tj=+12°C	COPd	7.41			
T _{biv} =bivalent temperature	Pdh	33.80	kW		T _{biv} =bivalent temperature	COPd	2.13			
To∟=operation temperature	Pdh	33.80	kW		ToL =operation temperature	COPd	2.13			
Bivalent temperature	Tbiv	-10	°C							
					1					
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in	modes other	r than "active	e mode"		Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW		
			Oth	er it	ems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		21500	m³/h		
Sound power level,outdoor	Lwa	89	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determin	**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.									

Cooling mode:

Info	ormatic	on requ	irement	s f	for air-to-air cond	itione	rs			
Model(s):MV8-670WV2 Test matching indoor u	RN1E(PRC nits form, ca)) issette:5×MI	H80Q4N18(Q	<u>)</u> +3	×MIH100Q4N18(Q)					
Outdoor side heat exch	anger of air	conditioner	air							
Indoor side heat excha	nger of air c	onditioner: a	air							
Type: compressor drive	en									
Driver of compressor: e	electric moto	or								
ltem	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated cooling capacity	Prated,c	67.00	kW		Seasonal space cooling energy efficiency	ηs,c	242.4	%		
Declared cooling capacity for part load at given outdoo temperatures T _j and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor		
Tj=+35°C	Pdc	67.00	kW	W Tj=+35°C EERd 2.14						
Tj=+30°C	Pdc	49.37	kW		Tj=+30°C	EER₫	4.21			
Tj=+25°C	Pdc	31.74	kW		Tj=+25°C	EER₫	6.98			
Tj=+20°C Pdc 14.11 kW					Tj=+20°C	EERd	14.80			
						1	1			
Degradation co-efficient for air conditioners(*)	Cdc	0.25								
		Power consu	umption in mo	des	other than "active mode"					
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW		
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW		
			Othe	er ite	ems					
Capacity control				For air-to-air air conditioner: air flow rate, outdoor measured		21500	m³/h			
Sound power level, outdoor	Lwa	92	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8-670WV2RN1E(PRO)

Test matching indoor units form, cassette: 5×MIH80Q4N18(Q)+3×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	67.00	kW		Seasonal space heating energy efficiency	Ŋs,h	169.8	%		
Declared heating teperature 20°C) capacity fo C and outdoo	r part load a or temperatu	t indoor ires Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for nperatures	or gas utili part load a Tj	sation t given		
Tj=-7°C	Pdh	32.60	kW		Tj=-7°C	COPd	2.56			
Tj=+2°C	Pdh	19.84	kW		Tj=+2°C	COPd	3.97			
Tj=+7°C	Pdh	12.76	kW		Tj=+7°C	COPd	6.53			
Tj=+12°C	Pdh	6.45	kW		Tj=+12°C	COPd	7.73			
T _{biv} =bivalent temperature	Pdh	36.85	kW		T _{biv} =bivalent temperature	COP₫	2.05			
To∟=operation temperature	Pdh	36.85	kW		ToL =operation temperature	COPd	2.05			
Bivalent temperature	Tbiv	-10	°C							
					I					
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW		
			Oth	er it	ems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		21500	m³/h		
Sound power level,outdoor	Lwa	92	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.										

Cooling mode:

Information	requirements	for air-to-air	conditioners
mornation	roquironionio		oon all on or o

Model(s):MV8-730WV2RN1E(PRO)

Test matching indoor units form, cassette::2×MIH80Q4N18(Q)+6×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

Type: compressor driven

1								
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	73.00	kW		Seasonal space cooling energy efficiency	ηs,c	224.7	%
Declared cooling ca temperatures Tj an	pacity for pa d indoor 27/	rt load at giv 19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	73.00	kW		Tj=+35°C	EERd	2.06	
Tj=+30°C	Pdc	53.79	kW		Tj=+30°C	EERd	3.60	
Tj=+25°C	Pdc	34.58	kW		Tj=+25°C	EER₫	6.84	
Tj=+20°C	Pdc	15.37	kW		Tj=+20°C	EERd	13.74	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	l	Power consu	umption in mo	des	s other than "active mode"	•		•
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
			Oth	er it	ems		-	
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		29000	m³/h
Sound power level, outdoor	Lwa	93	dB				-	
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

ontact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8-730WV2RN1E(PRO)

Test matching indoor units form, cassette:2×MIH80Q4N18(Q)+6×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated heating capacity	Prated,h	73.00	kW		Seasonal space heating energy efficiency	η s,h	167.8	%			
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	sation t given			
Tj=-7°C	Pdh	38.04	kW		Tj=-7°C	COPd	2.31				
Tj=+2°C	Pdh	23.15	kW		Tj=+2°C	COPd	3.89				
Tj=+7°C	Pdh	14.88	kW		Tj=+7°C	COPd	6.99				
Tj=+12°C	Pdh	8.23	kW		Tj=+12°C	COPd	8.99				
T _{biv} =bivalent temperature	Pdh	43.00	kW		T _{biv} =bivalent temperature	COPd	1.78				
To∟=operation temperature	Pdh	43.00	kW		ToL =operation temperature	COPd	1.78				
Bivalent temperature	Tbiv	-10	°C								
			[1						
Degradation co-efficient for heat pumps(**)	Cdh	0.25									
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater						
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW			
Thermosat-off mode	Рто	0.005	kW		Type of energy input						
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рѕв	0.005	kW			
			Oth	er it	ems						
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		29000	m³/h			
Sound power level,outdoor	Lwa	93	dB								
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)								
Contact details											
(*)											
(**)If Cdh is not determin	(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.										

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Cooling mode:

Info	ormatio	on requ	irement	s 1	for air-to-air cond	itione	rs	
Model(s):MV8i-785WV2 Test matching indoor u	2RN1E(PR0 nits form, ca	D) assette:8×MI	H100Q4N18(0	Q)				
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	air					
Type: compressor drive	n							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	78.50	kW		Seasonal space cooling energy efficiency	Ŋs,c	237.8	%
Declared cooling cap temperatures Tj an	bacity for pa d indoor 27	art load at giv /19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	78.50	kW		Tj=+35°C	EERd	2.42	
Tj=+30°C	Pdc	57.84	kW		Tj=+30°C	EERd	3.88	
Tj=+25°C	Pdc	37.18	kW		Tj=+25°C	EERd	7.02	
Tj=+20°C	Pdc	16.53	kW		Tj=+20°C	EER₫	13.54	
		•	•			•		
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	other than "active mode"			•
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
		•	Othe	er ite	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)If Cdc is not determin	ed by meas	urement, the	en the default	deg	gradation coefficient of heat pu	umps shall	be 0.25.	

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-785WV2RN1E(PRO)

Test matching indoor units form, cassette: 8×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	78.50	kW		Seasonal space heating energy efficiency	η s,h	168.2	%		
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas util part load a Tj	isation t given		
Tj=-7°C	Pdh	38.04	kW		Tj=-7°C	COPd	2.38			
Tj=+2°C	Pdh	23.15	kW		Tj=+2°C	COPd	3.90			
Tj=+7°C	Pdh	14.88	kW		Tj=+7°C	COPd	6.82			
Tj=+12°C	Pdh	8.27	kW		Tj=+12°C	COPd	8.77			
T _{biv} =bivalent temperature	Pdh	43.00	kW		T _{biv} =bivalent temperature	COPd	1.97			
ToL=operation temperature	Pdh	43.00	kW		ToL =operation temperature	COPd	1.97			
Bivalent temperature	Tbiv	-10	°C							
					I					
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рѕв	0.005	kW		
			Oth	er it	ems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		28000	m³/h		
Sound power level,outdoor	Lwa	93	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determin	(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.									

п

Cooling mode:

Information requirements for air-to-air conditioners											
Model(s):MV8-850WV2 Test matching indoor u	Model(s):MV8-850WV2RN1E(PRO) Test matching indoor units form, cassette: 6×MIH100Q4N18(Q)+2×MIH140Q4N18(Q)										
Outdoor side heat exch	anger of air	conditioner	air								
Indoor side heat exchai	nger of air c	onditioner: a	ir								
Type: compressor drive	n										
Driver of compressor: e	electric moto	or									
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated cooling capacity	Prated,c	85.00	kW		Seasonal space cooling energy efficiency	ηs,c	234.1	%			
Declared cooling cap temperatures Tj an	bacity for pa d indoor 27/	nrt load at giv /19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation of at given of	efficiency utdoor			
Tj=+35°C	Pdc	85.00	kW		Tj=+35°C	EERd	2.25				
Tj=+30°C	Pdc	62.63	kW		Tj=+30°C	EERd	3.79				
Tj=+25°C	Pdc	40.26	kW		Tj=+25°C	EERd	7.01				
Tj=+20°C Pdc 17.89 kW Tj=+20°C EERd 13.76											
Degradation co-efficient for air conditioners(*)	Cdc	0.25									
	I	Power consu	umption in mo	des	s other than "active mode"						
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW			
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW			
		•	Oth	er it	iems		•				
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h			
Sound power level, outdoor	Lwa	93	dB								
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)								
Contact details	Contact details										
(*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat ρι	imps shall	be 0.25.				

Heating mode:

Information requirements for heat pumps

Model(s):MV8-850WV2RN1E(PRO)

Test matching indoor units form, cassette: 6×MIH100Q4N18(Q)+2×MIH140Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated heating capacity	Prated,h	85.00	kW		Seasonal space heating energy efficiency	η s,h	165.0	%			
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor ires Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	sation t given			
Tj=-7°C	Pdh	39.81	kW		Tj=-7°C	COPd	2.45				
Tj=+2°C	Pdh	24.23	kW		Tj=+2°C	COPd	3.74				
Tj=+7°C	Pdh	15.58	kW		Tj=+7°C	COPd	6.77				
Tj=+12°C	Pdh	8.32	kW		Tj=+12°C	COPd	8.70				
T _{biv} =bivalent temperature	Pdh	45.00	kW		Tbiv =bivalent temperature	COPd	1.90				
To∟=operation temperature	Pdh	45.00	kW		ToL =operation temperature	COPd	1.90				
Bivalent temperature	Tbiv	-10	°C								
Degradation co-efficient for heat pumps(**)	Cdh	0.25									
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater						
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW			
Thermosat-off mode	Рто	0.005	kW		Type of energy input						
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW			
			Oth	er it	ems						
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		28000	m³/h			
Sound power level,outdoor	Lwa	93	dB								
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)								
Contact details											
(*)											
(**)If Cdh is not determin	(**) If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.										

Cooling mode:

Info	ormatic	on requ	irement	s i	for air-to-air cond	itione	rs		
Model(s):MV8-900WV2	RN1E(PRC)) essette: 5xM			+3×MIH140O4N18(O)				
Outdoor side boot oveb	andor of oir			(Q)	-3^WIITH0Q4N10(Q)				
			. all						
	nger of all c								
Type: compressor drive	n 								
Driver of compressor: e	electric moto	or T	1	<u> </u>					
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	90.00	kW		Seasonal space cooling energy efficiency	ηs,c	228.1	%	
Declared cooling cap temperatures Tj an	Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor					
Tj=+35°C	Pdc	90.00	kW		Tj=+35°C	EERd	2.05		
Tj=+30°C	Pdc	66.32	kW		Tj=+30°C	EERd	3.72		
Tj=+25°C	Pdc	42.63	kW		Tj=+25°C	EERd	6.98		
Tj=+20°C	Pdc	18.95	kW		Tj=+20°C	EERd	13.55		
Degradation co-efficient for air conditioners(*)	Cdc	0.25							
	I	Power consi	umption in mo	odes	s other than "active mode"				
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW	
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW	
			Oth	er it	ems				
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h	
Sound power level, outdoor	Lwa	93	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
(*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat pu	imps shall	be 0.25.		

Heating mode:

Information requirements for heat pumps

Model(s):MV8-900WV2RN1E(PRO)

Test matching indoor units form, cassette:5×MIH100Q4N18(Q)+3×MIH140Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	90.00	kW		Seasonal space heating energy efficiency	η s,h	165.0	%		
Declared heating teperature 20°0	g capacity fo C and outdoo	r part load a or temperatu	t indoor ires Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	isation t given		
Tj=-7°C	Pdh	39.81	kW		Tj=-7°C	COPd	2.41			
Tj=+2°C	Pdh	24.23	kW		Tj=+2°C	COPd	3.75			
Tj=+7°C	Pdh	15.58	kW		Tj=+7°C	COPd	6.84			
Tj=+12°C	Pdh	8.22	kW		Tj=+12°C	COPd	8.79			
T _{biv} =bivalent temperature	Pdh	45.00	kW		T _{biv} =bivalent temperature	COPd	1.86			
To∟=operation temperature	Pdh	45.00	kW		ToL =operation temperature	COPd	1.86			
Bivalent temperature	Tbiv	-10	°C							
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW		
			Oth	er it	ems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		28000	m³/h		
Sound power level,outdoor	Lwa	93	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determin	(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.									

2 FOR V8I INDIVIDUAL SERIES

8HP

Cooling mode:

Information requirements for air-to-air conditioners									
Model(s):MV8i-252WV2 Test matching indoor u	2RN1E(PR0 nits form, ca	D) issette: 1×M	IH45Q4N18(C	0)+3×MIH71Q4N18(Q)					
Outdoor side heat exch	anger of air	conditioner	air						
Indoor side heat excha	nger of air c	onditioner: a	air						
Type: compressor drive	en								
Driver of compressor: e	electric moto	r							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated cooling capacity	Prated,c	25.20	kW	Seasonal space cooling energy efficiency	ηs,c	290.3	%		
Declared cooling ca temperatures Tj an	pacity for pa d indoor 27/	nrt load at giv /19°C(dry/v	ven outdoor vet bulb)	Declared energy efficiency r /auxiliary energy factor fo tempe	atio or gas or part load ratures Tj	utilisation at given o	efficiency utdoor		
Tj=+35°C	Pdc	25.20	kW	Tj=+35°C	EERd	3.21			
Tj=+30°C	Pdc	18.57	kW	Tj=+30°C	EERd	4.96			
Tj=+25°C	Pdc	11.94	kW	Tj=+25°C	EERd	8.35			
Tj=+20°C	Pdc	7.83	kW	Tj=+20°C	EERd	16.60			
Degradation co-efficient for air conditioners(*)	Cdc	0.25							
		Power consu	umption in mo	des other than "active mode"					
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW		
Thermosat-off mode	Рто	0.005	kW	Standby mode	Рѕв	0.005	kW		
			Othe	er items	•	•	•		
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured		12600	m³/h		
Sound power level, outdoor	Lwa	83	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
(*)If Cdc is not determin	ed by meas	urement, the	en the default	degradation coefficient of heat p	umps shall	be 0.25.			

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-252WV2RN1E(PRO)

Test matching indoor units form, cassette: 1×MIH45Q4N18(Q)+3×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	25.20	kW		Seasonal space heating energy efficiency	η s,h	170.0	%		
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor ires Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p peratures	or gas utili part load a Tj	isation t given		
Tj=-7°C	Pdh	12.12	kW		Tj=-7°C	COPd	2.68			
Tj=+2°C	Pdh	7.38	kW		Tj=+2°C	COPd	4.17			
Tj=+7°C	Pdh	5.57	kW		Tj=+7°C	COPd	6.11			
Tj=+12°C	Pdh	6.24	kW		Tj=+12°C	COPd	7.65			
T _{biv} =bivalent temperature	Pdh	13.70	kW		Tbiv =bivalent temperature	COP₫	2.26			
To∟=operation temperature	Pdh	13.70	kW		ToL =operation temperature	COPd	2.26			
Bivalent temperature	Tbiv	-10	°C							
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater					
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW		Type of energy input					
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рsв	0.005	kW		
			Oth	er it	ems					
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		12600	m³/h		
Sound power level,outdoor	Lwa	83	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determin	(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.									

Cooling mode:

Information requirements for air-to-air conditioners

Model(s):MV8i-280WV2RN1E(PRO)

Test matching indoor units form, cassette: 3×MIH71Q4N18(Q)+1×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

Type: compressor driven

Driver of compressor: electric motor Item Symbol Value Unit Item Symbol Value Unit Seasonal space cooling Rated cooling capacity 28.00 kW 287.0 % Prated,c ηs,c energy efficiency Declared energy efficiency ratio or gas utilisation efficiency Declared cooling capacity for part load at given outdoor /auxiliary energy factor for part load at given outdoor temperatures Tj and indoor 27/19°C (dry/wet bulb) temperatures Tj Tj=+35°C 28.00 kW Tj=+35°C EERd 3.20 Pdc ---Tj=+30°C Pdc 20.63 kW Tj=+30°C EERd 4.81 ---Pdc Tj=+25°C 13.26 kW Tj=+25°C EERd 8.15 ---Tj=+20°C Pdc 7.97 kW Tj=+20°C EERd 17.03 ---Degradation co-efficient for air 0.25 Cdc ___ conditioners(*) Power consumption in modes other than "active mode" Off mode POFF 0.005 kW Crankcase heater mode Рск 0.005 kW Thermosat-off mode kW Standby mode kW Рто 0.005 Рѕв 0.005 Other items For air-to-air air conditioner: Capacity control variable air flow rate, outdoor ___ 12600 m³/h measured Sound power Lwa 84 dB level, outdoor kg CO₂ eq GWP of the refrigerant 2088 (100years)

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-280WV2RN1E(PRO) Test matching indoor units form, cassette: 3×MIH71Q4N18(Q)+1×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated heating capacity	Prated,h	28.00	kW		Seasonal space heating energy efficiency	Ŋs,h	167.7	%			
Declared heating teperature 20°C) capacity fo C and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	sation t given			
Tj=-7°C	Pdh	14.15	kW		Tj=-7°C	COPd	2.50				
Tj=+2°C	Pdh	8.62	kW		Tj=+2°C	COPd	4.07				
Tj=+7°C	Pdh	5.77	kW		Tj=+7°C	COPd	6.18				
Tj=+12°C	Pdh	6.45	kW		Tj=+12°C	COPd	7.73				
T _{biv} =bivalent temperature	Pdh	16.00	kW		T _{biv} =bivalent temperature	COPd	2.10				
To∟=operation temperature	Pdh	16.00	kW		ToL =operation temperature	COPd	2.10	-			
Bivalent temperature	Tbiv	-10	°C								
					1						
Degradation co-efficient for heat pumps(**)	Cdh	0.25									
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater						
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW			
Thermosat-off mode	Рто	0.005	kW		Type of energy input						
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW			
			Othe	ər it	ems						
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		12600	m³/h			
Sound power level,outdoor	Lwa	84	dB								
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)								
Contact details											
(*)											
(**)If Cdh is not determin	**) If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.										

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Cooling mode:

Info	ormatio	on requ	irement	S '	for air-to-air cond	litione	rs	
Model(s):MV8i-335WV2 Test matching indoor u	2RN1E(PRO nits form, ca	D) assette: 3×M	IH45Q4N18(0	 Q)+	3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air					
Indoor side heat excha	nger of air c	onditioner: a	air					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	33.50	kW		Seasonal space cooling energy efficiency	Ŋs,c	284.5	%
Declared cooling ca temperatures Tj an	bacity for pa d indoor 27	art load at giv /19°C(dry/v	ven outdoor wet bulb)	Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given or	efficiency utdoor	
Tj=+35°C	Pdc	33.50	kW		Tj=+35°C	EERd	2.88	
Tj=+30°C	Pdc	24.68	kW		Tj=+30°C	EERd	4.84	
Tj=+25°C	Pdc	15.87	kW		Tj=+25°C	EERd	8.23	
Tj=+20°C	Pdc	8.87	kW		Tj=+20°C	EERd	16.68	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	de	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
		•	Othe	er it	tems	•		
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		13500	m³/h
Sound power level, outdoor	Lwa	85	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat p	umps shall	be 0.25.	

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-335WV2RN1E(PRO)

Test matching indoor units form, cassette: 3×MIH45Q4N18(Q)+3×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated heating capacity	Prated,h	33.50	kW		Seasonal space heating energy efficiency	η s,h	168.5	%			
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor ires Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	sation t given			
Tj=-7°C	Pdh	16.28	kW		Tj=-7°C	COPd	2.50				
Tj=+2°C	Pdh	9.91	kW		Tj=+2°C	COPd	3.97				
Tj=+7°C	Pdh	6.37	kW		Tj=+7°C	COPd	6.50				
Tj=+12°C	Pdh	6.44	kW		Tj=+12°C	COPd	8.30				
T _{biv} =bivalent temperature	Pdh	18.40	kW		T _{biv} =bivalent temperature	COPd	2.18	-			
To∟=operation temperature	Pdh	18.40	kW		ToL =operation temperature	COPd	2.18				
Bivalent temperature	Tbiv	-10	°C								
Degradation co-efficient for heat pumps(**)	Cdh	0.25									
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater						
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW			
Thermosat-off mode	Рто	0.005	kW		Type of energy input						
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рsв	0.005	kW			
			Oth	er it	ems						
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		13500	m³/h			
Sound power level,outdoor	Lwa	85	dB								
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)								
Contact details											
(*)											
(**)If Cdh is not determin	(**) If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.										

Cooling mode:

Information requirements for air-to-air conditioners										
Model(s):MV8i-400WV	2RN1E(PRO	D)								
				J)+						
Outdoor side heat exch	langer of air	conditioner:	air							
Indoor side heat excha	nger of air c	onditioner: a	lir							
Type: compressor drive	en									
Driver of compressor: e	electric moto	or			1					
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated cooling capacity	Prated,c	40.00	kW		Seasonal space cooling energy efficiency	Ŋs,c	288.1	%		
Declared cooling capacity for part load at given outdo temperatures Tj and indoor 27/19°C (dry/wet bulb) Tj=+35°C Pdc 40.00 kW					Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor		
Tj=+35°C	Pdc	40.00	kW		Tj=+35°C	EER₫	2.85			
Tj=+30°C	Pdc	29.47	kW		Tj=+30°C	EER₫	4.78			
Tj=+25°C	Pdc	18.95	kW		Tj=+25°C	EER₫	8.25			
Tj=+20°C	Pdc	8.42	kW		Tj=+20°C	EERd	17.63			
		1		<u> </u>						
Degradation co-efficient for air conditioners(*)	Cdc	0.25								
		Power consu	umption in mo	des	s other than "active mode"					
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW		
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW		
			Othe	er it	iems					
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		15600	m³/h		
Sound power level, outdoor	Lwa	86	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-400WV2RN1E(PRO) Test matching indoor units form, cassette: 2×MIH45Q4N18(Q)+4×MIH80Q4N18(Q)										
Outdoor side heat exchanger of air conditioner: air										
Indoor side heat exchar	nger of air c	onditioner: a	air							
If the heater is equipped	d with a sup	plementary	heater: no							
Driver of compressor: e	lectric moto	r								
Parameters shall be de optional.	clared for th	ie average h	eating season	n, parameters for the warmer and	colder hea	ating seaso	ons are			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heating capacity	Prated,h	40.00	kW	Seasonal space heating energy efficiency	η s,h	171.8	%			
Declared heating teperature 20°C	capacity fo	r part load a or temperatu	t indoor ıres Tj	Declared coefficient of pe efficiency/auxiliary energy outdoor ter	rformance factor for nperatures	or gas utili part load a Tj	sation t given			
Tj=-7°C	Pdh	19.46	kW	Tj=-7°C	COPd	2.58				
Tj=+2°C	Pdh	11.85	kW	Tj=+2°C	COPd	4.11				
Tj=+7°C	Pdh	7.62	kW	Tj=+7°C	COPd	6.43				
Tj=+12°C	Pdh	7.79	kW	Tj=+12°C	COPd	8.16				
T _{biv} =bivalent temperature	Pdh	22.00	kW	T _{biv} =bivalent temperature	COPd	2.16				
To∟=operation temperature	Pdh	22.00	kW	ToL =operation temperature	COPd	2.16				
Bivalent temperature T _{biv} -10 °C										
Degradation co-efficient for heat pumps(**)	Cdh	0.25								
Power consumption in r	nodes othe	r than "active	e mode"	Suppleme	Supplementary heater					
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW			
Thermosat-off mode	Рто	0.005	kW	Type of energy input						
Crankcase heater mode	Рск	0.005	kW	Standby mode	Рѕв	0.005	kW			
			Othe	r items						
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		15600	m³/h			
Sound power level,outdoor	Lwa	86	dB							
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)							
Contact details										
(*)										
(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.										
				ware the sure of t			hania of			

Cooling mode:

Info	ormatic	on requ	irement	s for air-to-air con	ditione	rs	
Model(s):MV8i-450WV2 Test matching indoor u	2RN1E(PRO nits form, ca	D) Issette: 1×M	IH71Q4N18(0	Q)+5×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air				
Indoor side heat excha	nger of air c	onditioner: a	air				
Type: compressor drive	en						
Driver of compressor: e	electric moto	r					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	45.00	kW	Seasonal space cooling energy efficiency	ηs,c	270.1	%
Declared cooling ca temperatures Tj an	pacity for pa d indoor 27/	rt load at giv 19°C(dry/v	ven outdoor wet bulb)	Declared energy efficiency /auxiliary energy factor temp	/ ratio or gas for part load peratures Tj	utilisation of at given of	efficiency utdoor
Tj=+35°C	Pdc	45.00	kW	Tj=+35°C	EERd	2.45	
Tj=+30°C	Pdc	33.16	kW	Tj=+30°C	EERd	4.38	
Tj=+25°C	Pdc	21.32	kW	Tj=+25°C	EERd	7.93	
Tj=+20°C	Pdc	9.47	kW	Tj=+20°C	EERd	17.87	
			,				
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consi	umption in mo	des other than "active mode"	1		
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	Рѕв	0.005	kW
			Othe	er items		1	
Capacity control		variable		For air-to-air air conditione air flow rate, outdoor measured	r:	15600	m³/h
Sound power level, outdoor	Lwa	86	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							
(*)If Cdc is not determin	ed by meas	urement, the	en the default	degradation coefficient of heat	pumps shall	be 0.25.	

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-450WV2RN1E(PRO)

Test matching indoor units form, cassette: 1×MIH71Q4N18(Q)+5×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated heating capacity	Prated,h	45.00	kW		Seasonal space heating energy efficiency	η s,h	167.7	%			
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor ires Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	sation t given			
Tj=-7°C	Pdh	21.89	kW		Tj=-7°C	COPd	2.47				
Tj=+2°C	Pdh	13.33	kW		Tj=+2°C	COPd	4.00				
Tj=+7°C	Pdh	8.57	kW		Tj=+7°C	COPd	6.36				
Tj=+12°C	Pdh	8.01	kW		Tj=+12°C	COPd	8.18				
T _{biv} =bivalent temperature	Pdh	24.75	kW		Tbiv =bivalent temperature	COPd	2.06				
To∟=operation temperature	Pdh	24.75	kW		ToL =operation temperature	COPd	2.06				
Bivalent temperature	Tbiv	-10	°C								
Degradation co-efficient for heat pumps(**)	Cdh	0.25									
Power consumption in	modes othe	r than "active	e mode"		Suppleme	ntary heate	er				
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW			
Thermosat-off mode	Рто	0.005	kW		Type of energy input						
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рsв	0.005	kW			
			Oth	er it	iems						
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		15600	m³/h			
Sound power level,outdoor	Lwa	86	dB								
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)								
Contact details											
(*)											
(**)If Cdh is not determin	**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.										

Cooling mode:

Info	ormatio	on requ	irements	s for air-to-air cond	litione	rs	
Model(s):MV8i-500WV2 Test matching indoor ur	2RN1E(PRC nits form, ca)) ssette:2×MI	H45Q4N18(Q)+6×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat exchai	nger of air c	onditioner: a	iir				
Type: compressor drive	en						
Driver of compressor: e	electric moto	r					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	50.00	kW	Seasonal space cooling energy efficiency	Ŋs,c	278.2	%
Declared cooling cap temperatures Tj an	bacity for pa d indoor 27/	rt load at giv 19°C(dry/v	ven outdoor vet bulb)	Declared energy efficiency r /auxiliary energy factor fo tempe	atio or gas or part load ratures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	50.00	kW	Tj=+35°C	EERd	2.76	
Tj=+30°C	Pdc	36.84	kW	Tj=+30°C	EERd	4.62	
Tj=+25°C	Pdc	23.68	kW	Tj=+25°C	EERd	8.08	
Tj=+20°C	Pdc	10.81	kW	Tj=+20°C	EERd	16.16	
					_		
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
	I	Power consu	umption in mo	des other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	Рѕв	0.005	kW
		•	Othe	r items	•	•	
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured		22000	m³/h
Sound power level, outdoor	Lwa	88	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-500WV2RN1E(PRO)

Test matching indoor units form, cassette:2×MIH45Q4N18(Q)+6×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	50.00	kW		Seasonal space heating energy efficiency	η s,h	167.0	%
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor ires Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	isation t given
Tj=-7°C	Pdh	24.33	kW		Tj=-7°C	COPd	2.55	
Tj=+2°C	Pdh	14.81	kW		Tj=+2°C	COPd	3.89	
Tj=+7°C	Pdh	9.52	kW		Tj=+7°C	COPd	6.58	
Tj=+12°C	Pdh	6.27	kW		Tj=+12°C	COPd	7.30	
T _{biv} =bivalent temperature	Pdh	27.50	kW		T _{biv} =bivalent temperature	COPd	2.13	
To∟=operation temperature	Pdh	27.50	kW		ToL =operation temperature	COPd	2.13	
Bivalent temperature	Tbiv	-10	°C					
					I			
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "active	e mode"		Suppleme	ntary heate	er	
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW		Type of energy input			
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рѕв	0.005	kW
			Oth	er it	ems			
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		22000	m³/h
Sound power level,outdoor	Lwa	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)								
(**)If Cdh is not determin	ned by meas	surement, th	en the defaul	t de	egradation coefficient of heat p	umps shall	be 0.25.	

Cooling mode:

Info	ormatic	on requ	irements	s for air-to-air con	ditione	rs	
Model(s):MV8i-560WV	2RN1E(PRO	D)					
Test matching Indoor u	nits form, ca	isselle: 8×IVI	IH/1Q4N18(C	l)			
Outdoor side heat exch	nanger of air	conditioner	air				
Indoor side heat excha	nger of air c	onditioner: a	ir				
Type: compressor drive	en						
Driver of compressor: e	electric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	56.00	kW	Seasonal space cooling energy efficiency	ηs,c	262.2	%
Declared cooling ca temperatures Tj an	pacity for pa d indoor 27	art load at giv /19°C(dry/v	ven outdoor vet bulb)	Declared energy efficiency /auxiliary energy factor tempo	ratio or gas for part load eratures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	56.00	kW	Tj=+35°C	EERd	2.54	
Tj=+30°C	Pdc	41.26	kW	Tj=+30°C	EERd	4.37	
Tj=+25°C	Pdc	26.53	kW	Tj=+25°C	EERd	7.60	
Tj=+20°C	Pdc	11.79	kW	Tj=+20°C	EER₫	15.60	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	umption in mo	des other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	Рѕв	0.005	kW
			Othe	r items			
Capacity control		variable		For air-to-air air conditioner air flow rate, outdoor measured		22000	m³/h
Sound power level, outdoor	Lwa	89	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-560WV2RN1E(PRO) Test matching indoor units form,cassette: 8×MIH71Q4N18(Q)											
Outdoor side heat exchanger of air conditioner: air											
Indoor side heat exchanger of air conditioner: air											
If the heater is equipped with a supplementary heater: no											
Driver of compressor: e	lectric moto	r									
Parameters shall be de optional.	clared for th	e average h	eating seaso	n, p	parameters for the warmer and	colder hea	ating seaso	ons are			
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated heating capacity	Prated,h	56.00	kW		Seasonal space heating energy efficiency	η s,h	165.0	%			
Declared heating teperature 20°C	capacity fo and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of per efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	sation t given			
Tj=-7°C	Pdh	27.42	kW		Tj=-7°C	COPd	2.64				
Tj=+2°C	Pdh	16.69	kW		Tj=+2°C	COPd	3.79				
Tj=+7°C	Pdh	10.73	kW		Tj=+7°C	COPd	6.41				
Tj=+12°C	Pdh	5.68	kW		Tj=+12°C	COPd	7.09				
Tbiv=bivalent temperaturePdh31.00kWTbiv = bivalent temperatureCOPd2.13											
ToL=operation temperature Pdh 31.00 kW ToL =operation temperature COPd 2.13											
Bivalent temperature	Tbiv	-10	°C								
Degradation co-efficient for heat pumps(**)	Cdh	0.25									
Power consumption in r	modes other	r than "active	e mode"		Suppleme	ntary heate	er				
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW			
Thermosat-off mode	Рто	0.005	kW		Type of energy input						
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW			
			Oth	er it	ems						
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		22000	m³/h			
Sound power level,outdoor	Lwa	89	dB								
GWP of the refrigerant 2088 kg CO ₂ eq (100years)											
Contact details											
(*)											
(**)If Cdh is not determin	ied by meas	surement, the	en the defaul	t de	gradation coefficient of heat p	umps shall	be 0.25.				

Cooling mode:

Information requirements for air-to-air conditioners

Model(s):MV8i-615WV2RN1E(PRO) Test matching indoor units form, cassette:8×MIH80Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air Type: compressor driven Driver of compressor: electric motor Item Symbol Value Unit Item Symbol Value Unit Seasonal space cooling Rated cooling capacity Prated,c 61.50 kW 262.3 % ηs,c energy efficiency Declared energy efficiency ratio or gas utilisation efficiency Declared cooling capacity for part load at given outdoor /auxiliary energy factor for part load at given outdoor temperatures Tj and indoor 27/19°C (dry/wet bulb) temperatures Ti Tj=+35°C Pdc 61.50 kW Tj=+35°C EERd 2.38 ---Ti=+30°C Pdc 45.32 kW Ti=+30°C EERd 4.53 ---Tj=+25°C Pdc 29.13 kW Tj=+25°C EERd 7.54 ---Tj=+20°C Pdc 12.95 kW Tj=+20°C EERd 15.75 ---Degradation co-efficient for air 0.25 Cdc --conditioners(*) Power consumption in modes other than "active mode" Рск Off mode Poff 0.005 kW 0.005 kW Crankcase heater mode Thermosat-off mode Рто 0.005 kW Standby mode Рѕв 0.005 kW Other items For air-to-air air conditioner: Capacity control variable air flow rate, outdoor 21500 m³/h measured Sound power 89 dB Lwa level, outdoor kg CO_{2 eq} GWP of the refrigerant 2088 (100years) Contact details (*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps Model(s):MV8i-615WV2RN1E(PRO) Test matching indoor units form, cassette: 8×MIH80Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Value Unit Item Value Unit Item Symbol Symbol Seasonal space heating Rated heating capacity 61.50 kW 172.6 % Prated,h **η**s,h energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor efficiency/auxiliary energy factor for part load at given teperature 20°C and outdoor temperatures Tj outdoor temperatures Tj Tj=-7°C 29.90 Tj=-7°C COPd 2.66 --- P^{dh} kW Tj=+2°C Tj=+2°C Pdh 18.20 kW COPd 4.07 ---Tj=+7°C Tj=+7°C 11.70 kW COPd 6.53 P^{dh} ---Tj=+12°C Tj=+12°C P^{dh} kW COPd 7.41 6.75 ---Tbiv=bivalent Pdh 33.80 kW Tbiv =bivalent temperature 2.13 COPd temperature TOL=operation Pdh 33.80 kW COPd 2.13 TOL =operation temperature --temperature **Bivalent temperature** Tbiv -10 °C Degradation co-efficient for 0.25 Cdh ___ heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) Off mode POFF 0.005 kW elbu 0 kW Thermosat-off mode Type of energy input Рто 0.005 kW Crankcase heater mode Standby mode 0.005 kW Psb Рск 0.005 kW Other items For air-to-air heat pump: air Capacity control 21500 m³/h variable flow rate, outdoor measured Sound power Lwa 89 dB level,outdoor kg CO₂ eq GWP of the refrigerant 2088 (100years) Contact details (*) (**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	on requ	irement	s i	for air-to-air cond	itione	rs	
Model(s):MV8i-670WV2 Test matching indoor u	2RN1E(PRO nits form, ca	D) issette:5×MI	H80Q4N18(C	2)+3	3×MIH100Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	iir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	67.00	kW		Seasonal space cooling energy efficiency	ηs,c	242.4	%
Declared cooling ca temperatures Tj an	pacity for pa d indoor 27/	nt load at giv /19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	67.00	kW		Tj=+35°C	EERd	2.14	
Tj=+30°C	Pdc	49.37	kW		Tj=+30°C	EER₫	4.21	
Tj=+25°C	Pdc	31.74	kW		Tj=+25°C	EER₫	6.98	
Tj=+20°C	Pdc	14.11	kW		Tj=+20°C	EERd	14.80	
		_						
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
			Othe	ər it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		21500	m³/h
Sound power level, outdoor	Lwa	92	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-670WV2RN1E(PRO)

Test matching indoor units form, cassette: 5×MIH80Q4N18(Q)+3×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	67.00	kW		Seasonal space heating energy efficiency	Ŋs,h	169.8	%	
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p peratures	or gas utili part load a Tj	sation t given	
Tj=-7°C	Pdh	32.60	kW		Tj=-7°C	COPd	2.56		
Tj=+2°C	Pdh	19.84	kW		Tj=+2°C	COPd	3.97		
Tj=+7°C	Pdh	12.76	kW		Tj=+7°C	COPd	6.53		
Tj=+12°C	Pdh	6.45	kW		Tj=+12°C	COPd	7.73		
T _{biv} =bivalent temperature	Pdh	36.85	kW		T _{biv} =bivalent temperature	COP₫	2.05		
To∟=operation temperature	Pdh	36.85	kW		ToL =operation temperature	COPd	2.05		
Bivalent temperature	Tbiv	-10	°C						
					1				
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "active	e mode"		Suppleme	ntary heate	er		
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW		Type of energy input				
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW	
			Othe	ər it	ems				
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		21500	m³/h	
Sound power level,outdoor	Lwa	92	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
(*)									
(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.									

Cooling mode:

Information	requirements	for air-to-air	conditioners
mornation	requiremento		

Model(s):MV8i-730WV2RN1E(PRO)

Test matching indoor units form, cassette::2×MIH80Q4N18(Q)+6×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

Type: compressor driven

Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	73.00	kW		Seasonal space cooling energy efficiency	ηs,c	224.7	%
Declared cooling ca temperatures Tj an	pacity for pa d indoor 27/	nt load at giv /19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	73.00	kW		Tj=+35°C	EERd	2.06	
Tj=+30°C	Pdc	53.79	kW		Tj=+30°C	EERd	3.60	
Tj=+25°C	Pdc	34.58	kW		Tj=+25°C	EERd	6.84	
Tj=+20°C	Pdc	15.37	kW		Tj=+20°C	EERd	13.74	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"	•		•
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
			Oth	er it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		29000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-730WV2RN1E(PRO)

Test matching indoor units form, cassette:2×MIH80Q4N18(Q)+6×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	73.00	kW		Seasonal space heating energy efficiency	η s,h	167.8	%
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	sation t given
Tj=-7°C	Pdh	38.04	kW		Tj=-7°C	COPd	2.31	
Tj=+2°C	Pdh	23.15	kW		Tj=+2°C	COPd	3.89	
Tj=+7°C	Pdh	14.88	kW		Tj=+7°C	COPd	6.99	
Tj=+12°C	Pdh	8.23	kW		Tj=+12°C	COPd	8.99	
T _{biv} =bivalent temperature	Pdh	43.00	kW		T _{biv} =bivalent temperature	COPd	1.78	
ToL=operation temperature	Pdh	43.00	kW		ToL =operation temperature	COPd	1.78	
Bivalent temperature	Tbiv	-10	°C					
					1			
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "active	e mode"		Suppleme	ntary heate	er	
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW		Type of energy input			
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рѕв	0.005	kW
			Oth	er it	ems			
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		29000	m³/h
Sound power level,outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)								
(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.								

Cooling mode:

Info	ormatic	on requ	irement	s f	for air-to-air cond	itione	rs	
Model(s):MV8ii-785WV Test matching indoor u	2RN1E(PR nits form, ca	O) issette:8×MI	H100Q4N18(Q)				
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	air					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	78.50	kW		Seasonal space cooling energy efficiency	ηs,c	237.8	%
Declared cooling ca temperatures Tj an	pacity for pa d indoor 27/	nt load at giv /19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	78.50	kW		Tj=+35°C	EER₫	2.42	
Tj=+30°C	Pdc	57.84	kW		Tj=+30°C	EER₫	3.88	
Tj=+25°C	Pdc	37.18	kW		Tj=+25°C	EER₫	7.02	
Tj=+20°C Pdc 16.53 kW Tj=+20°C EERd 13.54								
		-						
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consi	umption in mo	des	s other than "active mode"		•	
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
		•	Othe	er it	ems		•	
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)If Cdc is not determin	ed by meas	urement, the	en the default	deg	gradation coefficient of heat pu	imps shall	be 0.25.	

Heating mode:

Information requirements for heat pumps

Model(s):MV8ii-785WV2RN1E(PRO) Test matching indoor units form, cassette: 8×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	78.50	kW		Seasonal space heating energy efficiency	η s,h	168.2	%	
Declared heating teperature 20°C	g capacity fo C and outdoo	r part load a or temperatu	t indoor res Tj		Declared coefficient of pe efficiency/auxiliary energy outdoor ten	rformance factor for p nperatures	or gas utili part load a Tj	isation t given	
Tj=-7°C	Pdh	38.04	kW		Tj=-7°C	COPd	2.38		
Tj=+2°C	Pdh	23.15	kW		Tj=+2°C	COPd	3.90		
Tj=+7°C	Pdh	14.88	kW		Tj=+7°C	COPd	6.82		
Tj=+12°C	Pdh	8.27	kW		Tj=+12°C	COPd	8.77		
T _{biv} =bivalent temperature	Pdh	43.00	kW		T _{biv} =bivalent temperature	COPd	1.97		
To∟=operation temperature	Pdh	43.00	kW		ToL =operation temperature	COPd	1.97		
Bivalent temperature	Tbiv	-10	°C						
					I				
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	than "active	e mode"		Suppleme	ntary heate	ər		
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW		Type of energy input				
Crankcase heater mode	Рск	0.005	kW		Standby mode	Рsв	0.005	kW	
			Othe	ər it	ems				
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		28000	m³/h	
Sound power level,outdoor	Lwa	93	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
(*)									
(**)If Cdh is not determin	(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.								

п

Cooling mode:

Info	ormatic	on requ	irement	s i	for air-to-air cond	itione	rs	
Model(s):MV8i-850WV2 Test matching indoor u	2RN1E(PR0 nits form, ca	D) issette: 6×M	IH100Q4N18	(Q)	+2×MIH140Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchai	nger of air c	onditioner: a	ir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	85.00	kW		Seasonal space cooling energy efficiency	Ŋs,c	234.1	%
Declared cooling cap temperatures Tj an	bacity for pa d indoor 27	art load at giv /19°C(dry/v	ven outdoor vet bulb)		Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation of at given of	efficiency utdoor
Tj=+35°C	Pdc	85.00	kW		Tj=+35°C	EERd	2.25	
Tj=+30°C	Pdc	62.63	kW		Tj=+30°C	EERd	3.79	
Tj=+25°C	Pdc	40.26	kW		Tj=+25°C	EERd	7.01	
Tj=+20°C	Pdc	17.89	kW		Tj=+20°C	EERd	13.76	
		•						
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	Рѕв	0.005	kW
		•	Oth	er it	iems		•	
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat ρι	umps shall	be 0.25.	

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-850WV2RN1E(PRO)

Test matching indoor units form, cassette: 6×MIH100Q4N18(Q)+2×MIH140Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	85.00	kW		Seasonal space heating energy efficiency	Ŋs,h	165.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tj				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=-7°C	Pdh	39.81	kW		Tj=-7°C	COPd	2.45	
Tj=+2°C	Pdh	24.23	kW		Tj=+2°C	COPd	3.74	
Tj=+7°C	Pdh	15.58	kW		Tj=+7°C	COPd	6.77	
Tj=+12°C	Pdh	8.32	kW		Tj=+12°C	COPd	8.70	
T _{biv} =bivalent temperature	Pdh	45.00	kW		Tbiv =bivalent temperature	COPd	1.90	
ToL=operation temperature	Pdh	45.00	kW		ToL =operation temperature	COPd	1.90	
Bivalent temperature	Tbiv	-10	°C					
					I			
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in modes other than "active mode"				Supplementary heater				
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW		Type of energy input			
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW
Other items								
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		28000	m³/h
Sound power level,outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)								
(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.								

Cooling mode:

ooling mode.							
Info	ormatio	on requ	irements	for air-to-air cond	litione	rs	
Model(s):MV8i-900WV2 Test matching indoor ur	2RN1E(PRC nits form, ca)) ssette: 5×M	IH100Q4N18(0	Q)+3×MIH140Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat exchai	nger of air c	onditioner: a	air				
Type: compressor drive	n						
Driver of compressor: e	electric moto	r					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	90.00	kW	Seasonal space cooling energy efficiency	Ŋs,c	228.1	%
Declared cooling cap temperatures Tj an	bacity for pa d indoor 27/	rt load at giv 19°C(dry/v	ven outdoor vet bulb)	Declared energy efficiency r /auxiliary energy factor fo temper	atio or gas or part load ratures Tj	utilisation of at given of	efficiency utdoor
Гј=+35°С	Pdc	90.00	kW	Tj=+35°C	EERd	2.05	
Гј=+30°С	Pdc	66.32	kW	Tj=+30°C	EERd	3.72	
Гј=+25°С	Pdc	42.63	kW	Tj=+25°C	EER₫	6.98	
Гј=+20°С	Pdc	18.95	kW	Tj=+20°C	EER₫	13.55	
		•	·				
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
	F	Power consu	umption in mod	es other than "active mode"	•		
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	Рѕв	0.005	kW
			Other	items			I
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power evel, outdoor	Lwa	93	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s):MV8i-900WV2RN1E(PRO)

Test matching indoor units form, cassette:5×MIH100Q4N18(Q)+3×MIH140Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	90.00	kW		Seasonal space heating energy efficiency	η s,h	165.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tj				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=-7°C	Pdh	39.81	kW		Tj=-7°C	COPd	2.41	
Tj=+2°C	Pdh	24.23	kW		Tj=+2°C	COPd	3.75	
Tj=+7°C	Pdh	15.58	kW		Tj=+7°C	COPd	6.84	
Tj=+12°C	Pdh	8.22	kW		Tj=+12°C	COPd	8.79	
T _{biv} =bivalent temperature	Pdh	45.00	kW		T _{biv} =bivalent temperature	COP₫	1.86	
To∟=operation temperature	Pdh	45.00	kW		ToL =operation temperature	COPd	1.86	
Bivalent temperature	Tbiv	-10	°C					
					1			
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in modes other than "active mode"				Supplementary heater				
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW		Type of energy input			
Crankcase heater mode	Рск	0.005	kW		Standby mode	Psb	0.005	kW
Other items								
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		28000	m³/h
Sound power level,outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
(*)								
(**)If Cdh is not determin	ned by meas	surement, th	en the defaul	t de	gradation coefficient of heat p	umps shall	be 0.25.	

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版本更改说明(此页不用做菲林)

印刷技术要求

材质	双胶纸80克
规格	210*297
颜色	黑白印刷
其他	/

设计更改记录表 (仅做说明用,不做菲林)

版本升级	更改人	更改日期	更改主要内容	涉及更改页面 (印刷页码)
V1.0-V1.1 基准更改	屈小平	2022/11/29	整本内容按基准更新	整本内容
V1.1-1.2 基准更改	李娟	2023.10.9	升级能效 版本B→C 郑	小峰