# INFORMATION REQUIREMENTS FOR HEAT PUMPS

All DC Inverter V8/V8i PRO Series VRF Outdoor Unit

Original instructions. 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	irements	for air-to-air cond	litione	rs	
Model(s): MV8-252WV2 Test matching indoor u			IH45Q4N18(Q)	)+3×MIH71Q4N18(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	25.20	kW	Seasonal space cooling energy efficiency	Ŋs,c	290.2	%
Declared cooling cap temperatures Tj an				Declared energy efficiency ra /auxiliary energy factor fo temper			
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 consi	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			
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 <sub>2 eq</sub> (100years)				
Contact details (*)If Cdc is not determin	ed by meas	urement, the	en the default d	legradation coefficient of heat pເ	umps 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	<b>η</b> s,h	170.2	%		
Declared heating teperature 20°C				efficiency/auxiliary energy	Declared coefficient of performance or gas utilisati efficiency/auxiliary energy factor for part load at giv outdoor temperatures Tj				
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 <sub>biv</sub> =bivalent temperature	Pdh	13.70	kW	T <sub>biv</sub> =bivalent temperature	COPd	2.26			
To∟=operation temperature	Pdh	13.70	kW	To∟ =operation temperature	COPd	2.26			
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in r	nodes other	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		
			Othe	ritems					
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 <sub>2 eq</sub> (100years)						
Contact details									
(*)									
(**)If Cdh is not determin	ed by meas	urement th	on the default	dogradation coofficient of heat n	umps shall	bo 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 CO<sub>2</sub> 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	Ŋs,h	167.8	%
Declared heating teperature 20°C					Declared coefficient of performance or gas utilisa efficiency/auxiliary energy factor for part load at g 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 <sub>biv</sub> =bivalent temperature	Pdh	16.00	kW		T <sub>biv</sub> =bivalent temperature	COPd	2.10	
To∟=operation temperature	Pdh	16.00	kW		ToL =operation temperature	COPd	2.10	
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
			Othe	er ite	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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								
(**)If Cdh is not determir	ned by meas	surement, th	en the default	de	gradation coefficient of heat p	umps shall	be 0.25.	
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Cooling mode:

Info	ormatic	on requ	irement	S	for air-to-air cond	litione	rs	
Model(s): MV8-335WV2 Test matching indoor ur			IH45Q4N18(	Q)+	3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner:	air					
Indoor side heat exchar	nger of air c	onditioner: a	ir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	33.50	kW		Seasonal space cooling energy efficiency	ηs,c	284.6	%
Declared cooling cap temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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	8.24	
Tj=+20°C	Pdc	8.87	kW		Tj=+20°C	EERd	16.68	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	imption 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	Psb	0.005	kW
		•	Oth	er it	ems			
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 <sub>2 eq</sub> (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): 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	<b>η</b> s,h	168.6	%		
Declared heating teperature 20°C				efficiency/auxiliary energy	Declared coefficient of performance or gas utilisati efficiency/auxiliary energy factor for part load at giv outdoor temperatures Tj				
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 <sub>biv</sub> =bivalent temperature	Pdh	18.40	kW	T <sub>biv</sub> =bivalent temperature	COPd	2.18			
To∟=operation temperature	Pdh	18.40	kW	To∟ =operation temperature	COPd	2.18			
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in r	nodes 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	Рsв	0.005	kW		
			Other	r items					
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 <sub>2 eq</sub> (100years)						
Contact details									
(*)									
(**)If Cdh is not determin	led by meas	surement, th	en the default	degradation coefficient of heat p	umps shall	be 0.25.			

Cooling mode:

Info	ormatic	on requ	irements	s for	air-to-air cond	itione	rs	
Model(s): MV8-400WV2 Test matching indoor u			IH45Q4N18(Q	()+4×M	IH80Q4N18(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	40.00	kW		asonal space cooling ergy efficiency	Ŋs,c	288.2	%
Declared cooling ca temperatures Tj an			clared energy efficiency ra /auxiliary energy factor fo temper					
Tj=+35°C	Pdc	40.00	kW	Tj=	+35°C	EERd	2.85	
Tj=+30°C	Pdc	29.47	kW	Tj=	+30°C	EERd	4.78	
Tj=+25°C	Pdc	18.95	kW	Tj=	+25°C	EERd	8.25	
Tj=+20°C	Pdc	8.42	kW	Tj=	+20°C	EERd	17.63	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	I	Power consi	umption in mod	des oth	er than "active mode"			
Off mode	Poff	0.005	kW	Cra	ankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Sta	andby mode	Рѕв	0.005	kW
			Othe	r items				
Capacity control		variable		air	r air-to-air air conditioner: flow rate, outdoor easured		15600	m³/h
Sound power level, outdoor	Lwa	86	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (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

Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat exchar	0						
If the heater is equipped	0						
Driver of compressor: e							
			eating seaso	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	Ŋs,h	171.8	%
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor ter	factor for p	part load a	
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 <sub>biv</sub> =bivalent temperature	Pdh	22.00	kW	T <sub>biv</sub> =bivalent temperature	COPd	2.16	
To∟=operation temperature	Pdh	22.00	kW	ToL =operation temperature	COPd	2.16	
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"	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	er items			
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		15600	m³/ł
Sound power level,outdoor	Lwa	86	dB				
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)				
Contact details							
(*)							

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Info	rmatio	on requ	irements	for air-to-air cond	itione	ſS	
Model(s): MV8-450WV2							
Test matching indoor uni				)+5×MIH80Q4N18(Q)			
Outdoor side heat excha	anger of air	conditioner:	air				
Indoor side heat exchang	ger of air co	onditioner: a	ir				
Type: compressor driven	1						
Driver of compressor: ele	ectric 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	270.2	%
Declared cooling capa temperatures Tj and				Declared energy efficiency ra /auxiliary energy factor for tempera			
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	EER₫	7.93	
Tj=+20°C	Pdc	9.47	kW	Tj=+20°C	EER₫	17.87	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
	F	Power consu	Imption in mod	les 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			
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 <sub>2 eq</sub> (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): MV8-450WV2RN1E(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. Symbol Value Unit Item Symbol Value Unit Item Seasonal space heating 45.00 kW 167.8 % Rated heating capacity 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 Ti Tj=-7°C 21.89 kW Tj=-7°C COPd 2.47  $\mathsf{P}^{\mathsf{dh}}$ ---Tj=+2°C Pdh 13.33 kW Tj=+2°C COPd 4.00 ---Ti=+7°C Pdh 8.57 kW Ti=+7°C COPd 6.36 ---Tj=+12°C Pdh 8.01 kW Tj=+12°C COPd 8.18 ---Tbiv=bivalent  $\mathsf{P}^{\mathsf{dh}}$ kW 24.75 Tbiv =bivalent temperature 2.06 COPd --temperature TOL=operation 24.75 kW COPd 2.06  $\mathsf{P}^{\mathsf{dh}}$ ToL =operation temperature --temperature **Bivalent temperature** -10 °C Tbiv Degradation co-efficient for Cdh0.25 --heat pumps(\*\*) 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 Standby mode Crankcase heater mode 0.005 kW Psb 0.005 kW Рск Other items For air-to-air heat pump: air 15600 m³/h Capacity control variable --flow rate, outdoor measured Sound power LWA 86 dB level,outdoor kg CO<sub>2</sub> eq 2088 GWP of the refrigerant (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 '	for air-to-air cond	litione	rs			
Model(s): MV8-500WV2 Test matching indoor u			H45Q4N18(C	 )+(	6×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	50.00	kW		Seasonal space cooling energy efficiency	Ŋs,c	278.2	%		
Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27/19°C (dry/wet bulb) Declared energy efficiency ratio or gas utilisati /auxiliary energy factor for part load at given temperatures T <sub>j</sub>										
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								
		Power consu	umption in mo	bdes	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		22000	m³/h		
Sound power level, outdoor	Lwa	88	dB				-			
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)							
Contact details	ed by meas	urement the	on the default	da	gradation coefficient of heat n	umpe shall	be 0.25			

(\*)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.

- [								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	50.00	kW	Seasonal space heating energy efficiency	<b>η</b> s,h	167.0	%	
Declared heating teperature 20°C				Declared coefficient of performance or gas utilisati efficiency/auxiliary energy factor for part load at giv outdoor temperatures Tj				
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 <sub>biv</sub> =bivalent temperature	Pdh	27.50	kW	T <sub>biv</sub> =bivalent temperature	COPd	2.13		
To∟=operation temperature	Pdh	27.50	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	nodes othe	r than "active	e mode"	Supplemen	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	
			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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								

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Cooling mode:

Info	ormatic	on requ	irement	s f	for air-to-air cond	itione	rs	
Model(s): MV8-560WV2 Test matching indoor u			IH71Q4N18(0	 ຊ)				
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	lectric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	56.00	kW		Seasonal space cooling energy efficiency	Ŋs,c	262.2	%
Declared cooling cap temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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	EERd	15.60	
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	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 <sub>2 eq</sub> (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

Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchar	•							
If the heater is equipped	•							
Driver of compressor: e		•						
			eating seasor	n, p	arameters 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	<b>η</b> s,h	165.0	%
Declared heating teperature 20°C					Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for p	part load at	
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 <sub>biv</sub> =bivalent temperature	Pdh	31.00	kW		T <sub>biv</sub> =bivalent temperature	COPd	2.13	
To∟=operation temperature	Pdh	31.00	kW		To∟ =operation temperature	COPd	2.13	
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in r	nodes 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
			Othe	er ite	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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								

Cooling mode:

## Information requirements for air-to-air conditioners

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 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 262.2 % 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 Рто Thermosat-off mode 0.005 kW Рѕв 0.005 kW Standby mode 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<sub>2 eq</sub> 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): MV8-615WV2RN1E(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 Value Unit Item Symbol Item 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 Ti Tj=-7°C 29.90 Tj=-7°C COPd 2.66 --- $\mathsf{P}^{\mathsf{dh}}$ 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 $\mathsf{P}^{\mathsf{dh}}$ ---Tj=+12°C Tj=+12°C $\mathsf{P}^{\mathsf{dh}}$ 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 CO<sub>2</sub> 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	irements	s f	or air-to-air cond	itione	rs	
Model(s): MV8-670WV2 Test matching indoor u			H80Q4N18(Q	)+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	n							
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	Ŋs,c	242.6	%
Declared cooling ca temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	67.00	kW		Tj=+35°C	EERd	2.14	
Tj=+30°C	Pdc	49.37	kW		Tj=+30°C	EERd	4.21	
Tj=+25°C	Pdc	31.74	kW		Tj=+25°C	EERd	6.98	
Tj=+20°C	Pdc	14.11	kW		Tj=+20°C	EERd	14.81	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	l	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		21500	m³/h
Sound power level, outdoor	Lwa	92	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
Contact details			· · · · ·	1				

(\*)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					Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for p	part load a	
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 <sub>biv</sub> =bivalent temperature	Pdh	36.85	kW		T <sub>biv</sub> =bivalent temperature	COPd	2.05	
To∟=operation temperature	Pdh	36.85	kW		ToL =operation temperature	COPd	2.05	
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
			Othe	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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								
(**)If Cdh is not determin	ned by meas	surement, th	en the default	de	gradation coefficient of heat p	umps shall	be 0.25.	

Cooling mode:

Information	requirements	for air-to-air	conditioners
mormation	requirements		conditioners

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

Type. compressor anve								
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	Ŋs,c	224.6	%
Declared cooling ca temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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						
	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	er ite	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 <sub>2 eq</sub> (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): MV8-730WV2RN1E(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	<b>η</b> s,h	167.8	%
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for p	part load a	
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 <sub>biv</sub> =bivalent temperature	Pdh	43.00	kW	T <sub>biv</sub> =bivalent temperature	COPd	1.78	
To∟=operation temperature	Pdh	43.00	kW	ToL =operation temperature	COPd	1.78	
Bivalent temperature	Tbiv	-10	°C				
Degradation co-efficient for heat pumps(**)	Cdh	0.25					
Power consumption in r	modes other	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
			Other	titems			
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 <sub>2 eq</sub> (100years)				
Contact details							
(*)							
(**)If Cdh is not determin	ed by meas	urement, th	en the default	degradation coefficient of heat p	umps shall	be 0.25.	

Cooling mode:

Info	ormatic	on requ	irement	s i	for air-to-air cond	litione	rs	
Model(s): MV8-785WV Test matching indoor u			H100Q4N18(	Q)				
Outdoor side heat exch	anger 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	78.50	kW		Seasonal space cooling energy efficiency	ηs,c	237.8	%
Declared cooling ca temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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	EERd	13.54	
Degradation co-efficient for air	Cdc	0.25						
conditioners(*)	Ouc	0.20						
	l	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	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 <sub>2 eq</sub> (100years)					
Contact details								
(*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat pu	umps shall	be 0.25.	

Heating mode:

## Information requirements for heat pumps

Model(s): MV8-785WV2RN1E(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.

1								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	78.50	kW		Seasonal space heating energy efficiency	Ŋs,h	168.2	%
Declared heating teperature 20°C					Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for p	part load a	
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 <sub>biv</sub> =bivalent temperature	Pdh	43.00	kW		T <sub>biv</sub> =bivalent temperature	COPd	1.97	
To∟=operation temperature	Pdh	43.00	kW		ToL =operation temperature	COPd	1.97	
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
			Othe	er ite	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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								
(**)If Cdh is not determin	ned by meas	surement, th	en the default	t de	gradation coefficient of heat p	umps shall	be 0.25.	

Cooling mode:

Info	ormatio	n requ	irement	s i	for air-to-air cond	litione	rs	
Model(s): MV8-850WV2 Test matching indoor un			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	n							
Driver of compressor: e	electric moto	r						
ltem	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	85.00	kW		Seasonal space cooling energy efficiency	ηs,c	234.2	%
Declared cooling cap temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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	13.77	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	I	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	ər 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 <sub>2 eq</sub> (100years)					
Contact details (*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat pu	umps 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.

1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	85.00	kW	Seasonal space heating energy efficiency	<b>η</b> s,h	165.0	%
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor ter	factor for	part load a	
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 <sub>biv</sub> =bivalent temperature	Pdh	45.00	kW	T <sub>biv</sub> =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 "activ	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	Psb	0.005	kW
			Othe	r 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 <sub>2 eq</sub> (100years)				
Contact details							
(*)							
(**)If Cdh is not determin	ned by meas	surement, th	en the default	degradation coefficient of heat p	umps shal	be 0.25.	
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Cooling mode:

Info	ormatic	on requ	irement	S	for air-to-air cond	itione	rs	
Model(s): MV8-900WV Test matching indoor u			IH100Q4N18	(Q)	+3×MIH140Q4N18(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		ltem	Symbol	Value	Unit
Rated cooling capacity	Prated,c	90.00	kW		Seasonal space cooling energy efficiency	Ŋs,c	228.2	%
Declared cooling ca temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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	
				<b> </b>				
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	de	s other than "active mode"	1	1	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 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 <sub>2 eq</sub> (100years)					
Contact details	ed by meas	urement the	on the default	de	gradation coefficient of heat pu	imps shall	be 0.25	

(\*)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): MV8-900WV2RN1E(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.

Rated heating capacityPrated,h90.00kWSeasonal space heating energy efficiency $\eta_{s,h}$ 165.0 $\eta_{s,h}$ Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures TjDeclared coefficient of performance or gas utilisatic efficiency/auxiliary energy factor for part load at jow outdoor temperatures TjTj=-7°CPdh39.81kWTj=-7°CCOPd2.41Tj=+2°CPdh24.23kWTj=+2°CCOPd3.751Tj=+12°CPdh15.58kWTj=+12°CCOPd6.841Tj=+12°CPdh8.22kWTj=+12°CCOPd8.791Tou-operation temperaturePdh45.00kWTou = operation temperatureCOPd1.86Bivalent temperatureTbiv-10°C111Degradation co-efficient for heat pumps(**)Cdh0.25Supplementary heaterOff modePOrF0.005kWBack-up heating capacity(*)elbu0kThermosat-off modePOrK0.005kWStandby modePsis0.005kCapacity controlvariableFor air-to-air heat pump: air flow rate, outdoor measured28000mGWP of the refigerant2.088kg CO2 eq (100years)for air-to-air heat pump: air flow rate, outdoor measured28000m	-							
Nation localing capacityPrinteen90.00NVenergy efficiencyIs.n103.0Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures TjDeclared coefficient of performance or gas utilisatic efficiency/auxiliary energy factor for part load at give outdoor temperatures TjTj=-7°CPdh39.81KWTj=-7°CCOPd2.41Tj=+2°CPdh24.23KWTj=+2°CCOPd3.751Tj=+12°CPdh15.58KWTj=+12°CCOPd6.841Tj=+12°CPdh8.22KWTj=+12°CCOPd8.791Tou-operation temperaturePdh45.00KWTou-eoperation temperatureCOPd1.86Tou-operation temperaturePdh45.00KWTou = operation temperatureCOPd1.86Bivalent temperature tou-operation temperatureCdh0.25Degradation co-officient for heat pumps(**)Cdh0.25Off mode Thermosat-off modePorF0.005KWBack-up heating capacity(*)elbu0kCapacity controlvariableFor air-to-air heat pump: air flow rate, outdoor measured28000mSound power level,outdoorLwA93dB28000mContact details2088kg CO2 eq (100years)kg CO2 eq (100years)28000m	Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Declared nearing capacity for part load at indoor teperature 20°C and outdoor temperatures Tjefficiency/auxiliary energy factor for part load at give outdoor temperatures TjTj=-7°CPdh39.81KWTj=-7°CCOPd2.41Tj=+2°CPdh24.23KWTj=+2°CCOPd3.75Tj=+7°CPdh15.58KWTj=+2°CCOPd6.84Tj=+12°CPdh8.22KWTj=+12°CCOPd8.79Toiv=bivalentPdh45.00KWToiv = bivalent temperatureCOPd1.86Toiv=operation temperaturePdh45.00KWToiL = operation temperatureCOPd1.86Bivalent temperatureTbiv-10°CDeclared nearing capacity(*)elbu0kBivalent temperatureTbiv-10°CDeclared nearing capacity(*)elbu0kBivalent temperatureTbiv-10°CDeclared nearing capacity(*)elbu0kBivalent temperatureTbiv-10°CDeclared nearing capacity(*)elbu0kBivalent temperatureTbiv-10°CDeclared nearing capacity(*)elbu0kCo-efficient for heat pumps(**)Cdh0.25Standby modePsis0.005kCofficient for heat pumps(**)0.005KWStandby modePsis0.005kCapacity controlVariableStandby modePsis0.005k	Rated heating capacity	Prated,h	90.00	kW		<b>η</b> s,h	165.0	%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					efficiency/auxiliary energy	factor for	part load at	
Tj=+7°CPdh15.58KWTj=+7°CCOPd6.84Tj=+12°CPdh8.22kWTj=+12°CCOPd8.79Tbiv=bivalent temperaturePdh45.00kWTbiv=bivalent temperatureCOPd1.86ToL=operation temperaturePdh45.00kWToL=operation temperatureCOPd1.86Bivalent temperatureTbiv-10°CDegradation co-efficient for heat pumps(**)Cdh0.25Power consumption in modes other than "active mode"Supplementary heaterOff modePOFF0.005kWBack-up heating capacity(*)elbu0kThermosat-off modePCK0.005kWStandby modePss0.005kCapacity controlvariableVariableFor air-to-air heat pump: air flow rate, outdoor measured28000mGWP of the refrigerant2088kg CO2 eq (100years)GWP of the refrigerant2088kg CO2 eq (100years)	Tj=-7°C	Pdh	39.81	kW	Tj=-7°C	COPd	2.41	
Tj=+12°CPdh8.22KWTj=+12°CCOPd8.79Tbiv=bivalent temperaturePdh45.00KWTbiv=bivalent temperatureCOPd1.86ToL=operation temperaturePdh45.00KWToL=operation temperatureCOPd1.86Bivalent temperatureTbiv-10°CDegradation co-efficient for heat pumps(**)Cdh0.25Power consumption in modes other than "active mode"Supplementary heaterOff modePOFF0.005kWBack-up heating capacity(*)elbu0kThermosat-off modePCK0.005kWStandby modePss0.005kCapacity controlVariableFor air-to-air heat pump: air flow rate, outdoor measured28000mSound power level,outdoorLwA93dB28000mGWP of the refrigerant2088kg CO2 eq (100years)GWP of the refrigerant2088kg CO2 eq (100years)28000m	Tj=+2°C	Pdh	24.23	kW	Tj=+2°C	COPd	3.75	
Tow-bivalent temperaturePdh45.00kWTow-bivalent temperatureCOPd1.86ToL=operation temperaturePdh45.00kWToL=operation temperatureCOPd1.86Bivalent temperaturePdh45.00kWToL=operation temperatureCOPd1.86Bivalent temperatureTbiv-10°CDegradation co-efficient for heat pumps(**)Cdh0.25Power consumption in modes other than "active mode"Supplementary heaterOff modePOFF0.005kWBack-up heating capacity(*)elbu0kThermosat-off modePOF0.005kWStandby modePsB0.005kCapacity controlvariableFor air-to-air heat pump: air flow rate, outdoor measured28000mSound power level,outdoorLWA93dB28000mGWP of the refrigerant2088kg CO2 eq (100years)dB28000mContact details2088kg CO2 eq (100years)28000m	Tj=+7°C	Pdh	15.58	kW	Tj=+7°C	COPd	6.84	
temperature temperaturePdh45.00kWTol =biv =bivalent temperatureCOPd1.86ToL=operation temperaturePdh45.00kWToL =operation temperatureCOPd1.86Bivalent temperatureTbiv-10°CDegradation co-efficient for heat pumps(**)Cdh0.25Power consumption in modes other than "active mode"Supplementary heaterOff modePOFF0.005kWBack-up heating capacity(*)elbu0kThermosat-off modePTO0.005kWStandby modePsB0.005kCankcase heater modePCK0.005kWStandby modePsB0.005kCapacity controlvariableFor air-to-air heat pump: air flow rate, outdoor measured28000mSound power level,outdoorLWA93dB28000mGWP of the refrigerant2088kg CO2 eq (100years)start pump: air flow rate, outdoor measured28000m	Tj=+12°C	Pdh	8.22	kW	Tj=+12°C	COPd	8.79	
temperaturePdh45.00KWToL=operation temperatureCOPd1.86Bivalent temperatureTbiv-10°CDegradation co-efficient for heat pumps(**)Cdh0.25Power consumption in modes other than "active mode"Supplementary heaterOff modePOFF0.005KWBack-up heating capacity(*)elbu0kThermosat-off modePTO0.005KWStandby modePSB0.005kCrankcase heater modePCK0.005KWStandby modePSB0.005kCapacity controlvariableFor air-to-air heat pump: air flow rate, outdoor measured28000mSound power level,outdoorLWA93dB28000mGWP of the refrigerant2088kg CO2 eq (100years)VariableContact details		Pdh	45.00	kW	T <sub>biv</sub> =bivalent temperature	COPd	1.86	
Degradation co-efficient for heat pumps(**)    Cdh    0.25     Supplementary heater      Power consumption in modes other than "active mode"    Supplementary heater    0.005    kW    Back-up heating capacity(*)    elbu    0    k      Off mode    PoFF    0.005    kW    Back-up heating capacity(*)    elbu    0    k      Thermosat-off mode    PTO    0.005    kW    Type of energy input     Crankcase heater mode    Pck    0.005    kW    Standby mode    PsB    0.005    k      Capacity control    Variable    Variable    For air-to-air heat pump: air flow rate, outdoor measured     28000    m      Sound power level,outdoor    LWA    93    dB      28000    m      GWP of the refrigerant    2088    kg CO2 eq (100years)     2088    kg CO2 eq (100years)            Contact details     2088    kg CO2 eq <t< td=""><td></td><td>Pdh</td><td>45.00</td><td>kW</td><td>To∟ =operation temperature</td><td>COPd</td><td>1.86</td><td></td></t<>		Pdh	45.00	kW	To∟ =operation temperature	COPd	1.86	
co-efficient for heat pumps(**)Cdh0.25Supplementary heaterPower consumption in modes other than "active mode"Supplementary heaterOff modePoFF0.005kWBack-up heating capacity(*)elbu0kThermosat-off modePTO0.005kWType of energy input0kCrankcase heater modePCK0.005kWStandby modePSB0.005kCapacity controlVariableVariableFor air-to-air heat pump: air flow rate, outdoor measured28000mSound power level,outdoorLwA93dB28000mGWP of the refrigerant2088kg CO2 eq (100years)28000mContact details100 years	Bivalent temperature	Tbiv	-10	°C				
Off mode    PoFF    0.005    kW    Back-up heating capacity(*)    elbu    0    k      Thermosat-off mode    PTO    0.005    kW    Type of energy input    0    k      Crankcase heater mode    PCK    0.005    kW    Standby mode    PsB    0.005    k      Capacity control    PCK    0.005    kW    Standby mode    PsB    0.005    k      Capacity control    variable    For air-to-air heat pump: air flow rate, outdoor measured     28000    m      Sound power level,outdoor    LwA    93    dB     28000    m      GWP of the refrigerant    2088    kg CO2 eq (100years)     Contact details	co-efficient for	Cdh	0.25					
Thermosat-off mode    Рто    0.005    kW    Type of energy input      Crankcase heater mode    Рск    0.005    kW    Standby mode    PsB    0.005    k      Other items      Capacity control    variable    For air-to-air heat pump: air flow rate, outdoor measured     28000    m      Sound power level,outdoor    LwA    93    dB     28000    m      GWP of the refrigerant    2088    kg CO2 eq (100 years)                  28000    m      Contact details     2088    kg CO2 eq (100 years)	Power consumption in	modes other	r than "activ	e mode"	Suppleme	ntary heate	ər	
Crankcase heater mode  PCK  0.005  KW  Standby mode  PsB  0.005  k    Other items    Capacity control  variable  For air-to-air heat pump: air flow rate, outdoor measured   28000  m    Sound power level,outdoor  LwA  93  dB   28000  m    GWP of the refrigerant  2088  kg CO2 eq (100 years)	Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW
Capacity control  variable  For air-to-air heat pump: air flow rate, outdoor measured   28000  m    Sound power level,outdoor  Lwa  93  dB   28000  m    GWP of the refrigerant  2088  kg CO2 eq (100 years)        Contact details	Thermosat-off mode	Рто	0.005	kW	Type of energy input			
Capacity control    variable    For air-to-air heat pump: air flow rate, outdoor measured     28000    m      Sound power level,outdoor    Lwa    93    dB     28000    m      GWP of the refrigerant    2088    kg CO2 eq (100 years)  <	Crankcase heater mode	Рск	0.005	kW	Standby mode	Psb	0.005	kW
Capacity control  Variable  flow rate, outdoor measured   2000  II    Sound power level,outdoor  Lwa  93  dB   2000  II    GWP of the refrigerant  2088  kg CO2 eq (100years)				Other	r items			
level,outdoor  LWA  93  dB    GWP of the refrigerant  2088  kg CO2 eq (100years)	Capacity control		variable				28000	m³/h
GWP of the refrigerant  2088  (100years)    Contact details	•	Lwa	93	dB				
	GWP of the refrigerant		2088					
(*)	Contact details							
	(*)							
(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.	(**)If Cdh is not determir	ied by meas	surement, th	en the default	degradation coefficient of heat p	umps shall	l be 0.25.	

## 2 FOR V8I INDIVIDUAL SERIES

#### 8HP

Cooling mode:

Info	ormatic	on requ	irements	s for air-to-air cond	litione	rs	
Model(s): MV8i-252WV Test matching indoor u			IH45Q4N18(C	)+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	290.2	%
Declared cooling ca temperatures Tj an				Declared energy efficiency ra /auxiliary energy factor fo temper			
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	PsB	0.005	kW
	I	1	Othe	r items	1	1	
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 <sub>2 eq</sub> (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.

1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	25.20	kW	Seasonal space heating energy efficiency	Ŋs,h	170.2	%
Declared heating teperature 20°C	capacity fo and outdoo	r part load a or temperatu	t indoor ires Tj	Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for p	part load a	
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 <sub>biv</sub> =bivalent temperature	Pdh	13.70	kW	T <sub>biv</sub> =bivalent temperature	COPd	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 r	modes othe	r than "activ	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
			Other	items			
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 <sub>2 eq</sub> (100years)				
Contact details							
(*)							
(**)If Cdh is not determin	ned by meas	surement, th	en the default	degradation coefficient of heat p	umps shall	be 0.25.	

Cooling mode:

### Information requirements for air-to-air conditioners

Value

287.0

3.20

4.81

8.15

17.03

ηs,c

Unit

%

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

Driver of compressor: electric motor

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

Item Symbol Value Unit Item Symbol Seasonal space cooling Rated cooling capacity 28.00 kW Prated,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  $\mathsf{P}\mathsf{dc}$ Tj=+30°C Pdc 20.63 kW Tj=+30°C EERd Tj=+25°C Pdc Tj=+25°C 13.26 kW EERd Tj=+20°C Pdc 7.97 kW Tj=+20°C EERd Degradation 0.25 co-efficient for air Cdc

conditioners(*)								
		Power consu	Imption 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		12600	m³/h
Sound power level, outdoor	Lwa	84	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (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	167.8	%	
Declared heating teperature 20°C					Declared coefficient of performance or gas utilisa efficiency/auxiliary energy factor for part load at g 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 <sub>biv</sub> =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						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in			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	
			Othe	er ite	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 <sub>2 eq</sub> (100years)						
Contact details									
(*)									
(**)If Cdh is not determin	ned by meas	surement, th	en the default	t deg	gradation coefficient of heat p	umps shall	be 0.25.		
				4				L	

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Cooling mode:

Info	ormatic	on requ	irement	S I	for air-to-air cond	litione	rs	
Model(s): MV8i-335WV Test matching indoor ur				<u></u>	3~MIH7104N18(0)			
			,	Q)+	3^101171Q41010(Q)			
Outdoor side heat exch								
Indoor side heat exchar	-	onditioner: a	Ir					
Type: compressor drive								
Driver of compressor: e	lectric moto	r I	1		1	1		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	33.50	kW		Seasonal space cooling energy efficiency	Ŋs,c	284.6	%
Declared cooling cap temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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	8.24	
Tj=+20°C	Pdc	8.87	kW		Tj=+20°C	EERd	16.68	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	imption 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		13500	m³/h
Sound power level, outdoor	Lwa	85	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (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-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	<b>η</b> s,h	168.6	%
Declared heating teperature 20°C				Declared coefficient of per efficiency/auxiliary energy outdoor ten	factor for p	part load a	
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 <sub>biv</sub> =bivalent temperature	Pdh	18.40	kW	T <sub>biv</sub> =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 r	modes othe	r than "activ	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
			Other	items			
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 <sub>2 eq</sub> (100years)				
Contact details							
(*)							
(**)If Cdh is not determin	ed by meas	surement, th	en the default of	degradation coefficient of heat p	umps shall	be 0.25.	

Cooling mode:

Info	ormatic	on requ	irements	s f	for air-to-air cond	litione	rs		
Model(s): MV8i-400WV Test matching indoor u			IH45Q4N18(C	Q)+4	4×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	or							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	40.00	kW		Seasonal space cooling energy efficiency	Ŋs,c	288.2	%	
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27/19°C(dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=+35°C	Pdc	40.00	kW		Tj=+35°C	EERd	2.85		
Tj=+30°C	Pdc	29.47	kW		Tj=+30°C	EERd	4.78		
Tj=+25°C	Pdc	18.95	kW		Tj=+25°C	EERd	8.25		
Tj=+20°C	Pdc	8.42	kW		Tj=+20°C	EERd	17.63		
Degradation co-efficient for air conditioners(*)	Cdc	0.25							
	l	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		15600	m³/h	
Sound power level, outdoor	Lwa	86	dB						
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (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-400WV Test matching indoor u			11H45Q4N18(C	Q)+4×MIH80Q4N18(Q)				
Outdoor side heat exch				, , ,				
Indoor side heat exchai	nger of air c	onditioner: a	iir					
If the heater is equippe	d with a sup	plementary	heater: no					
Driver of compressor: e	electric 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	Ŋs,h	171.8	%	
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for	part load a		
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 <sub>biv</sub> =bivalent temperature	Pdh	22.00	kW	T <sub>biv</sub> =bivalent temperature	COPd	2.16		
To∟=operation temperature	Pdh	22.00	kW	ToL =operation temperature	COPd	2.16		
Bivalent temperature	Tbiv	-10	°C					
			- 					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "activ	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	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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								
(**)If Cdh is not determir	ned by meas	surement, th	en the default	degradation coefficient of heat p	umps shall	be 0.25.		
Where information relat	tes to multi-	split heat pu	mps, xthe test	result and performance data ma	y be obtair	ned on the	basis c	

Cooling mode:

Info	ormatic	on requ	irement	s i	for air-to-air cond	itione	rs	
Model(s): MV8i-450WV Test matching indoor u			IH71Q4N18(0	ຸລ)+	5×MIH80Q4N18(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	45.00	kW		Seasonal space cooling energy efficiency	ηs,c	270.2	%
Declared cooling ca temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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	EER₫	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	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		15600	m³/h
Sound power level, outdoor	Lwa	86	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
Contact details								
(*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat pu	umps shall	be 0.25.	

Heating mode:

# Information requirements for heat pumps

		nation	roquitor		PO		
Model(s): MV8i-450WV Test matching indoor u	/2RN1E(PR inits form, ca	lO) assette: 1×M	1IH71Q4N18(C	Q)+5×MIH80Q4N18(Q)			
Outdoor side heat exch							
Indoor side heat excha	nger of air c	onditioner: a	air				
If the heater is equippe	d with a sup	plementary	heater: no				
Driver of compressor: e	electric moto	r					
Parameters shall be de optional.	clared for th	ie average h	neating 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	45.00	kW	Seasonal space heating energy efficiency	<b>η</b> s,h	167.8	%
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for	part load a	
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 <sub>biv</sub> =bivalent temperature	Pdh	24.75	kW	T <sub>biv</sub> =bivalent temperature	COPd	2.06	
ToL=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 "activ	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		1	
Crankcase heater mode	Рск	0.005	kW	Standby mode	Psb	0.005	kW
		•	Othe	ritems	1	1	1
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 <sub>2 eq</sub> (100years)				
Contact details							
(*)							
(**)If Cdh is not determin	ned by meas	surement, th	en the default	degradation coefficient of heat p	umps shal	be 0.25.	
Where information relat	tes to multi-	split heat pu	mps, xthe test	result and performance data ma	v be obtair	ned on the	basis of

Cooling mode:

Info	ormatic	on requ	irements	s for air-to-air cond	litione	rs	
Model(s): MV8i-500WV Test matching indoor ur			H45Q4N18(Q)	)+6×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air				
Indoor side heat exchai	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	50.00	kW	Seasonal space cooling energy efficiency	Ŋs,c	278.2	%
Declared cooling cap temperatures Tj an				Declared energy efficiency ra /auxiliary energy factor fo temper			
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					
		Power consi	umption in mod	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	ritems			
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 <sub>2 eq</sub> (100years)				
Contact details				degradation coefficient of boot p			

(\*)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.

optionali								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	50.00	kW	Seasonal space heating energy efficiency	<b>η</b> s,h	167.0	%	
Declared heating teperature 20°C				efficiency/auxiliary energy	Declared coefficient of performance or ga efficiency/auxiliary energy factor for part lo outdoor temperatures Tj			
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 <sub>biv</sub> =bivalent temperature	Pdh	27.50	kW	T <sub>biv</sub> =bivalent temperature	COPd	2.13		
To∟=operation temperature	Pdh	27.50	kW	To∟ =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	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	
			Other	ritems				
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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								
(**)If Cdh is not determin	ied by meas	surement, th	en the default	degradation coefficient of heat p	umps shall	be 0.25.		

Cooling mode:

Info	ormatic	on requ	irements	for air-to-air cond	ditione	rs	
Model(s): MV8i-560WV Test matching indoor u			IH71Q4N18(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	56.00	kW	Seasonal space cooling energy efficiency	Ŋs,c	262.2	%
Declared cooling ca temperatures Tj an				Declared energy efficiency /auxiliary energy factor fitter temperture			
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	EERd	15.60	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	umption in mod	les 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			
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 <sub>2 eq</sub> (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-560WV Test matching indoor ur			IH71Q4N18((	 ຊ)				
Outdoor side heat excha	anger of air	conditioner:	air	,				
Indoor side heat exchan	ger of air c	onditioner: a	ir					
If the heater is equipped	with a sup	plementary	heater: no					
Driver of compressor: el	ectric moto	r						
Parameters shall be dec optional.	lared 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	<b>η</b> s,h	165.0	%
Declared heating teperature 20°C					Declared coefficient of per efficiency/auxiliary energy outdoor ten	factor for	part load at	
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 <sub>biv</sub> =bivalent temperature	Pdh	31.00	kW		T <sub>biv</sub> =bivalent temperature	COPd	2.13	
To∟=operation temperature	Pdh	31.00	kW		To∟ =operation temperature	COPd	2.13	
Bivalent temperature	Tbiv	-10	°C					
					[			
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in m	nodes othei	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
ł			Othe	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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								
(**)If Cdh is not determine	ed by meas	surement, th	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 262.2 % 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<sub>2 eq</sub> 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.

Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis

of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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 --- $\mathsf{P}^{\mathsf{dh}}$ 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 $\mathsf{P}^{\mathsf{dh}}$ ---Tj=+12°C Tj=+12°C $\mathsf{P}^{\mathsf{dh}}$ 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 CO<sub>2</sub> 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	irements	s f	or air-to-air cond	itione	rs	
Model(s): MV8i-670WV Test matching indoor u			H80Q4N18(Q)	!)+3:	×MIH100Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchange	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	67.00	kW		Seasonal space cooling energy efficiency	Ŋs,c	242.6	%
Declared cooling ca temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	67.00	kW		Tj=+35°C	EERd	2.14	
Tj=+30°C	Pdc	49.37	kW		Tj=+30°C	EERd	4.21	
Tj=+25°C	Pdc	31.74	kW		Tj=+25°C	EERd	6.98	
Tj=+20°C	Pdc	14.11	kW		Tj=+20°C	EERd	14.81	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consi	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	1		
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 <sub>2 eq</sub> (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	<b>η</b> s,h	169.8	%
Declared heating teperature 20°C					Declared coefficient of per efficiency/auxiliary energy outdoor ten			
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 <sub>biv</sub> =bivalent temperature	Pdh	36.85	kW		T <sub>biv</sub> =bivalent temperature	COPd	2.05	
ToL=operation temperature	Pdh	36.85	kW		ToL =operation temperature	COPd	2.05	
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes other	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	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 <sub>2 eq</sub> (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:

# Information requirements for air-to-air conditioners

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

Type. compresser anve								
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	Ŋs,c	224.6	%
Declared cooling ca temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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						
		Power consi	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		29000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (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.

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Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	73.00	kW		Seasonal space heating energy efficiency	<b>η</b> s,h	167.8	%
Declared heating teperature 20°C					Declared coefficient of performance or gas efficiency/auxiliary energy factor for part loa outdoor temperatures Tj			
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 <sub>biv</sub> =bivalent temperature	Pdh	43.00	kW		T <sub>biv</sub> =bivalent temperature	COPd	1.78	
ToL=operation temperature	Pdh	43.00	kW		ToL =operation temperature	COPd	1.78	
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"		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	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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								
(**)If Cdh is not determin	ed by meas	surement, th	en the default	t de	gradation coefficient of heat p	umps shall	be 0.25.	

Cooling mode:

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Info	ormatic	on requ	irement	S	for air-to-air cond	litione	rs	
Model(s): MV8i-785WV Test matching indoor u			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	r						
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 ca temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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	EERd	13.54	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consi	umption in mo	de	s other than "active mode"	1	1	I
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		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					·
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (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

Unit

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kW

kW

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 Seasonal space heating Rated heating capacity Prated,h 78.50 kW 168.2 **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 Ti Tj=-7°C Pdh 38.04 kW Tj=-7°C COPd 2.38 Tj=+2°C Tj=+2°C Pdh 23.15 kW COPd 3.90 Tj=+7°C Tj=+7°C 14.88 kW COPd 6.82 Pdh Tj=+12°C Pdh kW Tj=+12°C COPd 8.77 8.27 Tbiv=bivalent Pdh 43.00 kW Tbiv =bivalent temperature 1.97 COPd temperature ToL=operation  $\mathsf{P}^{\mathsf{dh}}$ 43.00 kW ToL =operation temperature COPd 1.97 temperature °C **Bivalent temperature** Tbiv -10 Degradation co-efficient for 0.25 Cdh heat pumps(\*\*) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(\*) 0.005 Off mode POFF kW elbu 0 Type of energy input Thermosat-off mode Рто 0.005 kW Standby mode Psb Crankcase heater mode 0.005 kW 0.005 Рск Other items For air-to-air heat pump: air Capacity control variable 28000 m³/h flow rate, outdoor measured Sound power LWA 93 dB level,outdoor kg CO<sub>2</sub> 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.

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Cooling mode:

Info	ormatic	on requ	irement	S '	for air-to-air cond	litione	rs	
Model(s): MV8i-850WV Test matching indoor u			IH100Q4N18(	(Q)	+2×MIH140Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchar	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	85.00	kW		Seasonal space cooling energy efficiency	ηs,c	234.2	%
Declared cooling ca temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper			
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	13.77	
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
		1	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 <sub>2 eq</sub> (100years)					
Contact details (*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat pu	umps shall	be 0.25.	

Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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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.

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Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	85.00	kW	Seasonal space heating energy efficiency	<b>η</b> 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	2.45			
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 <sub>biv</sub> =bivalent temperature	Pdh	45.00	kW	T <sub>biv</sub> =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 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		
			Othe	r 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 <sub>2 eq</sub> (100years)						
Contact details									
(*)									
(**)If Cdh is not determin									

Cooling mode:

Info	ormatic	on requ	irement	S	for air-to-air cond	litione	rs	
Model(s): MV8i-900WV Test matching indoor u			IH100Q4N18	(Q)	+3×MIH140Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner:	air					
Indoor side heat exchar	nger of air c	onditioner: a	ir					
Type: compressor drive	en							
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	ηs,c	228.2	%
Declared cooling cap temperatures Tj an					Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas or part load ratures 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 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	er it	ems			I
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 <sub>2 eq</sub> (100years)					
Contact details								
(*)If Cdc is not determin	ed by meas	urement, the	en the default	de	gradation coefficient of heat pu	umps 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.

optional.								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	90.00	kW	Seasonal space heating energy efficiency	<b>η</b> 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 <sub>biv</sub> =bivalent temperature	Pdh	45.00	kW	Tbiv =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 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 <sub>2 eq</sub> (100years)					
Contact details								
(*)								
(**)If Cdh is not determin	ed by meas	surement, th	en the default o	legradation coefficient of heat p	umps shall	be 0.25.		

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- 1.2023.07.11 升级能效 版本B→C 郑小峰
- 2. 2023. 12. 18 升级能效 版本C→D 郑小峰
- 3. 2024. 02. 23 勘误28HP型号多了i;封面提示语更改 版本D→E 郑小峰

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