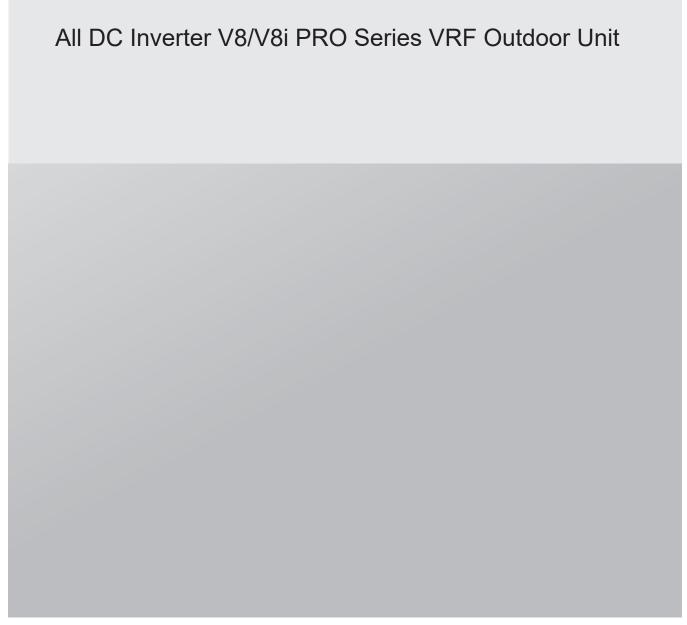


INFORMATION REQUIREMENTS FOR HEAT PUMPS



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1 FOR V8 PRO COMBINABLE SERIES

8HP

Cooling mode:

Info	ormatio	n requ	irement	s i	for air-to-air cond	itione	rs	
Model(s):SYSVRF3 M 2 Test matching indoor u			IH45Q4N18(0	Q)+:	3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air					
Indoor side heat excha	nger of air o	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	25.20	kW		Seasonal space cooling energy efficiency	ηs,c	290.3	%
Declared cooling ca temperatures T _j 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	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
	•	•	Othe	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	83	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

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):SYSVRF3 M 252 AIR EVO HP R 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. Unit Item Value Unit Symbol Value Symbol Seasonal space heating kW 25.20 170 0 % Rated heating capacity Prated,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 12.12 Tj=-7°C COPd 2.68 P_{dh} T_i=+2°C T_i=+2°C Pdh COPd 7.38 kW 4.17 T_i=+7°C T_i=+7°C COPd Pdh 5.57 kW 6.11 Tj=+12°C Pdh6.24 kW Tj=+12°C COP_d 7.65 T_{biv}=bivalent Pdh 13.70 kW Tbiv =bivalent temperature 2.26 COPd temperature Tot=operation Pdh 13.70 kW COPd 2.26 Tol =operation temperature temperature Bivalent temperature -10 °C Degradation co-efficient for Cdh 0.25 heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) Off mode Poff 0.005 0 kW Thermosat-off mode Type of energy input Рто 0.005 kW Standby mode 0.005 Crankcase heater mode 0.005 kW PsB kW Рск Other items For air-to-air heat pump: air Capacity control 12600 m³/h variable flow rate, outdoor measured Sound power Lwa 83 dB level,outdoor kg CO2 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.

02

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	itione	rs	
Model(s):SYSVRF3 M 2 Test matching indoor ur			IH71Q4N18(Q)+	1×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchai	nger of air c	onditioner: a	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	28.00	kW		Seasonal space cooling energy efficiency	ηs,c	287.0	%
Declared cooling cap temperatures T _j an					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	28.00	kW		Tj=+35°C	EERd	3.20	
Tj=+30°C	Pdc	20.63	kW		Tj=+30°C	EERd	4.81	
Tj=+25°C	Pdc	13.26	kW		Tj=+25°C	EERd	8.15	
T _j =+20°C	Pdc	7.97	kW		Tj=+20°C	EERd	17.03	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	odes	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	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 _{2 eq} (100years)					
Contact details								

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):SYSVRF3 M 280 AIR EVO HP R 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. Value Unit Unit Item Symbol Item Symbol Value Seasonal space heating Rated heating capacity 28.00 kW 167.7 % Prated,h ηs,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 T_i=-7°C COPd T_i=-7°C 14.15 kW 2.50 PdhTj=+2°C 8.62 kW Tj=+2°C COPd 4.07 Pdh kW Tj=+7°C P_{dh} 5.77 Tj=+7°C COPd 6.18 T_i=+12°C Pdh 6.45 kW T_i=+12°C COPd 7.73 T_{biv}=bivalent 16.00 kW Tbiv =bivalent temperature 2.10 PdhCOPd temperature To_L=operation 16.00 kW Tol =operation temperature COPd 2.10 Pdhtemperature °C Bivalent temperature -10 Thiv Degradation co-efficient for Cdh0.25 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 0.005 kW Рτο Crankcase heater mode Рск Standby mode kW 0.005 kW PsB 0.005 Other items For air-to-air heat pump: air m³/h 12600 Capacity control variable flow rate, outdoor measured Sound power dB Lwa 84 level,outdoor kg CO₂ eq GWP of the refrigerant 2088 (100years) Contact details (**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	s i	for air-to-air cond	itione	rs	
Model(s):SYSVRF3 M					2 1 111 1 2 1 2 1 1 1 2 1 2 1 2 1 2 1 2			
Test matching indoor ur			•	Q)+:	3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchai	nger of air o	onditioner: a	nir					
Type: compressor drive	n							
Driver of compressor: e	lectric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	33.50	kW		Seasonal space cooling energy efficiency	ηs,c	284.5	%
Declared cooling cap temperatures T _j 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	8.23	
T _j =+20°C	Pdc	8.87	kW		Tj=+20°C	EERd	16.68	
Degradation co-efficient for air	Cdc	0.25						
conditioners(*)								
		Power consu	umption in mo	odes	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	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 _{2 eq} (100years)					

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 335 AIR EVO HP R 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. Unit Item Symbol Value Item Symbol Value Unit Seasonal space heating 33.50 kW 168 5 % Rated heating capacity Prated,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 P^{dh} 16.28 Tj=-7°C COPd 2.50 9.91 T_i=+2°C COPd T_i=+2°C PdhkW 3.97 T_i=+7°C 6.37 T_i=+7°C PdhkW COPd 6.50 --Tj=+12°C P_{dh} 6.44 kW Tj=+12°C COPd 8.30 T_{biv}=bivalent Pdh18.40 kW Tbiv =bivalent temperature 2.18 COPd temperature Tot=operation Pdh18.40 kW ToL =operation temperature COPd 2.18 temperature Bivalent temperature -10 °C Degradation co-efficient for 0.25 $\mathsf{C}\mathsf{d}\mathsf{h}$ heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater 0.005 Back-up heating capacity(*) Off mode Poff 0 kW Thermosat-off mode Рто 0.005 kW Type of energy input Standby mode 0.005 kW Crankcase heater mode 0.005 kW PsB Рск Other items For air-to-air heat pump: air Capacity control 13500 m³/h variable flow rate, outdoor measured Sound power dΒ Lwa 85 level,outdoor kg CO₂ eq GWP of the refrigerant 2088 (100years) Contact details (**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	s f	for air-to-air cond	litione	rs	
Model(s):SYSVRF3 M								
Test matching indoor u			•	J)+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	ηs,c	288.1	%
Declared cooling cal temperatures T _j an			Declared energy efficiency radius auxiliary energy factor for 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						
		Power consi	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	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 _{2 eq} (100years)					
Contact details								
(*)If Cdo is not determin	ad hy maas	urament the	an the default	da	gradation coefficient of heat no	ımne ehall	he 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):SYSVRF3 M 400 AIR EVO HP R

Test matching indoor units form, cassette: 2×MIH45Q4N18(Q)+4×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped 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	40.00	kW	Seasonal space heating energy efficiency	Ŋs,h	171.8	%	
Declared heating teperature 20°C				efficiency/auxiliary energy	Declared coefficient of performance or gas utilisat efficiency/auxiliary energy factor for part load at gi outdoor temperatures T _j			
Tj=-7°C	Pdh	19.46	kW	Tj=-7°C	COPd	2.58		
Tj=+2°C	Pdh	11.85	kW	Tj=+2°C	COPd	4.11		
Tj=+7°C	Pdh	7.62	kW	Tj=+7°C	COPd	6.43		
Tj=+12°C	Pdh	7.79	kW	Tj=+12°C	COPd	8.16		
T _{biv} =bivalent temperature	Pdh	22.00	kW	T _{biv} =bivalent temperature	COPd	2.16		
ToL=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 _{2 eq} (100years)					
Contact details				<u> </u>				

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	n requ	irements	s for air-to-air cond	ditione	rs	
Model(s):SYSVRF3 M							
Test matching indoor up			•))+5×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat excha	nger of air c	onditioner: a	nir				
Type: compressor drive	en						
Driver of compressor: 6	electric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	45.00	kW	Seasonal space cooling energy efficiency	ηs,c	270.1	%
Declared cooling cal temperatures T _j an				Declared energy efficiency r /auxiliary energy factor fo tempe			
Tj=+35°C	Pdc	45.00	kW	Tj=+35°C	EERd	2.45	
Tj=+30°C	Pdc	33.16	kW	Tj=+30°C	EERd	4.38	
Tj=+25°C	Pdc	21.32	kW	Tj=+25°C	EERd	7.93	
Tj=+20°C	Pdc	9.47	kW	Tj=+20°C	EERd	17.87	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	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	PsB	0.005	kW
		•	Othe	ritems	•	•	•
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured		15600	m³/h
Sound power level, outdoor	Lwa	86	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							

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

Heating mode:

Information requirements for heat pumps

Model(s):SYSVRF3 M 450 AIR EVO HP R

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

0 1.0.1.0.1.									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	45.00	kW	Seasonal space heating energy efficiency	Ŋs,h	167.7	%		
Declared heating teperature 20°C				efficiency/auxiliary energ	Declared coefficient of performance or gas utilisate efficiency/auxiliary energy factor for part load at good outdoor temperatures T _j				
Tj=-7°C	Pdh	21.89	kW	Tj=-7°C	COPd	2.47			
Tj=+2°C	Pdh	13.33	kW	Tj=+2°C	COPd	4.00			
Tj=+7°C	Pdh	8.57	kW	Tj=+7°C	COPd	6.36			
Tj=+12°C	Pdh	8.01	kW	Tj=+12°C	COPd	8.18			
T _{biv} =bivalent temperature	Pdh	24.75	kW	T _{biv} =bivalent temperature	COPd	2.06			
ToL=operation temperature	Pdh	24.75	kW	ToL =operation temperature	COPd	2.06			
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "activ	e mode"	Suppleme	Supplementary heater				
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW	Type of energy input					
Crankcase heater mode	Рск	0.005	kW	Standby mode	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 _{2 eq} (100years)						
Contact details									

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

Cooling mode:

Info	ormatic	n requ	irement	s i	for air-to-air cond	litione	rs	
Model(s):SYSVRF3 M : Test matching indoor ui			H45Q4N18(Q	!)+6	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	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	50.00	kW		Seasonal space cooling energy efficiency	ηs,c	278.2	%
Declared cooling cap temperatures T _j 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						
	I	Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	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	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details	· ·		· ·					

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 500 AIR EVO HP R 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 Seasonal space heating Rated heating capacity Prated,h 50.00 kW $\eta_{\text{s},\text{h}}$ 167.0 % 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 Ti outdoor temperatures Tj T_i=-7°C T_i=-7°C COPd 2.55 Pdh24.33 T_i=+2°C Pdh 14.81 kW T_i=+2°C COPd 3.89 $T_i=+7^{\circ}C$ Pdh 9.52 kW $T_i=+7$ °C COPd 6.58 Tj=+12°C Tj=+12°C Pdh6.27 kW COP_d 7.30 Tbiv=bivalent Pdh kW 27.50 Tbiv =bivalent temperature 2.13 COPd temperature To_L=operation Pdh kW COPd 27.50 Tol =operation temperature 2.13 temperature Bivalent temperature -10 °C Tbiv Degradation co-efficient for C^dh 0.25 heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) Off mode Poff 0.005 0 kW Type of energy input Thermosat-off mode Рто 0.005 kW Standby mode Crankcase heater mode Рск 0.005 kW PsB 0.005 kW Other items For air-to-air heat pump: air 22000 m³/h Capacity control variable flow rate, outdoor measured Sound power 88 dΒ Lwa level,outdoor kg CO2 eq GWP of the refrigerant 2088 (100years)

Contact details

(*)

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

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	litione	rs	
Model(s):SYSVRF3 M				<u> </u>				
Test matching indoor up			•	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	ηs,c	262.2	%
Declared cooling cap temperatures T _j 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	
T _j =+20°C	Pdc	11.79	kW		Tj=+20°C	EERd	15.60	
		1						
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	odes	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Oth	er it	tems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		22000	m³/h
Sound power level, outdoor	Lwa	89	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact dotails								

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):SYSVRF3 M 560 AIR EVO HP R Test matching indoor units form, cassette: 8×MIH71Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: 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 Unit Value Seasonal space heating Rated heating capacity Prated,h 56.00 kW 165.0 % $\eta_{\text{s,h}}$ 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 Pdh27.42 kW Tj=-7°C COPd 2.64 Tj=+2°C P_{dh} 16.69 kW Tj=+2°C COPd --3.79 T_i=+7°C P_{dh} kW T_i=+7°C COPd 10.73 6.41 --Tj=+12°C P^{dh} 5.68 kW Tj=+12°C COPd 7.09 Tbiv=bivalent Pdh31.00 kW Tbiv =bivalent temperature COPd 2.13 temperature To_L=operation 31.00 kW ToL =operation temperature COPd 2.13 temperature Bivalent temperature °C Thiv -10 Degradation co-efficient for Cdh 0.25 heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater 0.005 Back-up heating capacity(*) kW Off mode elbu 0 Poff Type of energy input Thermosat-off mode Рто 0.005 kW Crankcase heater mode Standby mode 0.005 kW Рск 0.005 kW PsB Other items For air-to-air heat pump: air m³/h 22000 Capacity control variable flow rate, outdoor measured Sound power Lwa 89 dВ level,outdoor kg CO2 eq GWP of the refrigerant 2088 (100years) Contact details

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

Cooling mode:

ormatic	n requ	irement	s 1	for air-to-air cond	itione	rs	
		H80Q4N18(Q	()				
anger of air	conditioner	air					
nger of air c	onditioner: a	ir					
n							
electric moto	or						
Symbol	Value	Unit		Item	Symbol	Value	Unit
Prated,c	61.50	kW		Seasonal space cooling energy efficiency	ηs,c	262.3	%
				/auxiliary energy factor fo	r part load		
Pdc	61.50	kW		Tj=+35°C	EERd	2.38	
Pdc	45.32	kW		Tj=+30°C	EERd	4.53	
Pdc	29.13	kW		Tj=+25°C	EERd	7.54	
Pdc	12.95	kW		Tj=+20°C	EERd	15.75	
Cdc	0.25						
	Power consu	ımption in mo	des	other than "active mode"			
Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Рто	0.005	kW		Standby mode	PsB	0.005	kW
	•	Othe	er it	ems			l.
	variable			For air-to-air air conditioner: air flow rate, outdoor measured	-	21500	m³/h
Lwa	89	dB					
	2088	kg CO _{2 eq} (100years)					
	anger of air of	anger of air conditioner: a sin selectric motor Symbol Value Prated,c 61.50 Pacity for part load at give d indoor 27/19°C (dry/v) Pdc 61.50 Pdc 45.32 Pdc 29.13 Pdc 12.95 Cdc 0.25 Power consults Poff 0.005 Pto 0.005 Variable Lwa 89	anger of air conditioner: air nger of air con	anger of air conditioner: air nger of air con	And the state of t	Bats AIR EVO HP R ints form, cassette:8×MIH80Q4N18(Q) anger of air conditioner: air inger of air conditioner: air flow rate, outdoor measured Lwa 89 dB 2088 kg CO2 eq	nits form, cassette:8×MIH80Q4N18(Q) anger of air conditioner: air riger of air conditioner: air right of air conditioner: air riger of air conditioner: air flow rate, outdoor measured Read of air conditioner: air riger of air conditioner: air riger of air conditioner: air riger of air conditioner: air flow rate, outdoor measured

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):SYSVRF3 M 615 AIR EVO HP R 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 Symbol Symbol Seasonal space heating Rated heating capacity 61.50 kW 172.6 Prated,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 P^{dh} T_i=+2°C T_i=+2°C Pdh 18.20 kW COPd 4.07 T_i=+7°C T_i=+7°C 11.70 kW COPd 6.53 P^{dh} Tj=+12°C Tj=+12°C PdhkW COP_d 7.41 6.75 T_{biv}=bivalent Pdh 33.80 kW Tbiv =bivalent temperature 2.13 COPd temperature To_L=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 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 dΒ level,outdoor kg CO₂ eq GWP of the refrigerant 2088 (100years)

Contact details

(*)

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

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	itione	rs	
Model(s):SYSVRF3 M Test matching indoor u			H80Q4N18(Q	()+3	3×MIH100Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	67.00	kW		Seasonal space cooling energy efficiency	ηs,c	242.4	%
Declared cooling ca temperatures T _j 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	14.80	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		21500	m³/h
Sound power level, outdoor	Lwa	92	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					·
0 1 1 1 1 1								

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):SYSVRF3 M 670 AIR EVO HP R

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	67.00	kW		Seasonal space heating energy efficiency	ηs,h	169.8	%
Declared heating teperature 20°C					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at give outdoor temperatures T _j			
Tj=-7°C	Pdh	32.60	kW		Tj=-7°C	COPd	2.56	
Tj=+2°C	Pdh	19.84	kW		Tj=+2°C	COPd	3.97	
Tj=+7°C	Pdh	12.76	kW		Tj=+7°C	COPd	6.53	
Tj=+12°C	Pdh	6.45	kW		Tj=+12°C	COPd	7.73	
T _{biv} =bivalent temperature	Pdh	36.85	kW		T _{biv} =bivalent temperature	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	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	er ite	ems			
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		21500	m³/h
Sound power level,outdoor	Lwa	92	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details							·	

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

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	litione	rs	
Model(s):SYSVRF3 M Test matching indoor u			IH80Q4N18(0	Q)+	6×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	lectric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	73.00	kW		Seasonal space cooling energy efficiency	ηs,c	224.7	%
Declared cooling capacity for part load at given outdoor temperatures T _j 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 T _j			
Tj=+35°C	Pdc	73.00	kW		Tj=+35°C	EERd	2.06	
Tj=+30°C	Pdc	53.79	kW		Tj=+30°C	EERd	3.60	
Tj=+25°C	Pdc	34.58	kW		Tj=+25°C	EERd	6.84	
T _j =+20°C	Pdc	15.37	kW		Tj=+20°C	EERd	13.74	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Oth	er it	tems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		29000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

(*)If C_{dc} 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):SYSVRF3 M 730 AIR EVO HP R 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. Symbol Value Unit Symbol Value Unit Item Item Seasonal space heating 73.00 kW 167.8 % Rated heating capacity Prated,h $\eta_{s,h}$ 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 2.31 T_i=+2°C Tj=+2°C Pdh 23.15 kW COPd 3.89 Tj=+7°C Tj=+7°C 14.88 kW COPd 6.99 PdhTj=+12°C P^{dh} 8.23 kW Tj=+12°C COPd 8.99 T_{biv}=bivalent Pdh 43.00 kW Tbiv =bivalent temperature 1.78 COPd temperature Tot=operation Pdh 43.00 kW Tol =operation temperature COPd 1.78 temperature °C Bivalent temperature Tbiv -10 Degradation co-efficient for Cdh 0.25 heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) 0.005 Off mode Poff kW elbu 0 kW Type of energy input Thermosat-off mode Рто 0.005 kW Standby mode Crankcase heater mode 0.005 kW kW PsB Рск 0.005 Other items For air-to-air heat pump: air Capacity control variable 29000 m³/h flow rate, outdoor measured Sound power LWA 93 dB level,outdoor kg CO₂ eq

GWP of the refrigerant Contact details

(100years)

2088

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

Cooling mode:

Info	ormatic	n requ	irements	s for air-to-air cor	ditione	rs		
Model(s):SYSVRF3 M Test matching indoor ur			H100Q4N18(0	Ω)				
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	lectric moto	r						
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 capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)				/auxiliary energy factor	Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T _j			
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	T _j =+20°C	EERd	13.54		
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	ı	Power consu	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	PsB	0.005	kW	
			Othe	r items		•		
Capacity control		variable		For air-to-air air conditione air flow rate, outdoor measured	er:	28000	m³/h	
Sound power level, outdoor	Lwa	93	dB		•			
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				· ·	

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 785 AIR EVO HP R 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. Symbol Value Unit Item Symbol Value Unit 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 $20^{\circ}C$ and outdoor temperatures T_{j} outdoor temperatures Ti Tj=-7°C P_{dh} 38.04 kW Tj=-7°C COP_d 2.38 T_i=+2°C T_i=+2°C Pdh 23.15 kW COPd 3.90 Tj=+7°C Tj=+7°C 14.88 kW COPd 6.82 PdhTj=+12°C P^{dh} kW Tj=+12°C $\mathsf{COP}\mathsf{d}$ 8.77 8.27 Tbiv=bivalent P_{dh} 43.00 kW Tbiv =bivalent temperature 1.97 COPd temperature Tot=operation P_{dh} 43.00 kW Tol =operation temperature COPd 1.97 temperature °C Bivalent temperature Tbiv -10 Degradation co-efficient for 0.25 C_{dh} heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) 0.005 kW 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 kW Рск Other items For air-to-air heat pump: air Capacity control variable 28000 m³/h flow rate, outdoor measured Sound power

Contact details

GWP of the refrigerant

level,outdoor

LWA

93

2088

dB

kg CO2 eq

(100years)

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

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	litione	rs	
Model(s):SYSVRF3 M Test matching indoor un			IH100Q4N18	(Q)	+2×MIH140Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	85.00	kW		Seasonal space cooling energy efficiency	ηs,c	234.1	%
Declared cooling capacity for part load at given outdoor temperatures T _j 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	85.00	kW		Tj=+35°C	EERd	2.25	
Tj=+30°C	Pdc	62.63	kW		Tj=+30°C	EERd	3.79	
Tj=+25°C	Pdc	40.26	kW		Tj=+25°C	EERd	7.01	
Tj=+20°C	Pdc	17.89	kW		Tj=+20°C	EERd	13.76	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
		•	Othe	er it	ems		•	
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 850 AIR EVO HP R 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. Symbol Value Unit Symbol Value Seasonal space heating Rated heating capacity Prated,h 85.00 kW 165.0 ηs,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 T_{j} outdoor temperatures Tj Tj=-7°C 39.81 kW Tj=-7°C COPd 2.45 P_{dh} Ti=+2°C Pdh 24.23 kW Ti=+2°C COPd 3.74 T_i=+7°C kW T_i=+7°C Pdh 15.58 COPd 6.77 T_i=+12°C 8.32 kW T_i=+12°C COPd 8.70 P_{dh} T_{biv}=bivalent 45.00 kW PdhTbiv =bivalent temperature 1.90 COPd temperature To_L=operation 45.00 kW COPd PdhTol =operation temperature 1.90 temperature -10 °C Bivalent temperature Tbiv Degradation co-efficient for 0.25 Cdh heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Poff 0.005 kW Back-up heating capacity(*) elbu 0 kW Thermosat-off mode 0.005 kW Type of energy input Рто Crankcase heater mode 0.005 kW Standby mode PsB 0.005 kW Рск Other items For air-to-air heat pump: air m³/h Capacity control 28000 variable flow rate, outdoor measured Sound power dΒ Lwa 93 level,outdoor kg CO₂ 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	n requ	irement	s f	for air-to-air cond	itione	rs	
Model(s):SYSVRF3 M 9 Test matching indoor un			IH100Q4N18	s(Q)+	+3×MIH140Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air					
Indoor side heat exchai	nger of air c	onditioner: a	air					
Type: compressor drive	n							
Driver of compressor: e	lectric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	90.00	kW		Seasonal space cooling energy efficiency	ηs,c	228.1	%
Declared cooling capacity for part load at given outdoor temperatures T _j 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 T _j			
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						
		Power consu	umption in mo	odes	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 ite	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 900 AIR EVO HP R Test matching indoor units form, cassette:5×MIH100Q4N18(Q)+3×MIH140Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Item Symbol Value Unit Item Symbol Value Unit Seasonal space heating Rated heating capacity Prated,h 90.00 kW ηs,h 165.0 % 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 Ti outdoor temperatures Ti T_i=-7°C 39.81 T_i=-7°C 2.41 P^{dh} COPd T_i=+2°C Pdh 24.23 kW T_i=+2°C COPd 3.75 $T_i = +7^{\circ}C$ P^{dh} 15.58 kW $T_i=+7^{\circ}C$ COPd 6.84 Tj=+12°C P_{dh} 8.22 kW Tj=+12°C COPd 8.79 --Tbiv=bivalent P_{dh} 45.00 kW Tbiv =bivalent temperature 1.86 COPd temperature Tot=operation kW COPd P_{dh} 45.00 Tol =operation temperature 1.86 temperature Bivalent temperature -10 °C Tbiv Degradation co-efficient for 0.25 Cdhheat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff 0.005 Back-up heating capacity(*) 0 kW Type of energy input Thermosat-off mode Рто 0.005 kW Standby mode Crankcase heater mode Рск 0.005 kW PsB 0.005 kW Other items For air-to-air heat pump: air 28000 m³/h Capacity control variable flow rate, outdoor measured Sound power 93 dΒ LWA level,outdoor kg CO2 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.

2 FOR V8I INDIVIDUAL SERIES

8HP

Cooling mode:

Info	ormatic	on requ	irement	s f	for air-to-air cond	itione	rs	
Model(s):SYSVRF3 M 2 Test matching indoor u			IH45Q4N18(0	Q)+:	3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	conditioner: 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	25.20	kW		Seasonal space cooling energy efficiency	ηs,c	290.3	%
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)					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	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
		•	Othe	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	83	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

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):SYSVRF3 M 252 AIR EVO HP R 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. Unit Item Value Unit Symbol Value Symbol Seasonal space heating kW 25.20 170 0 % Rated heating capacity Prated,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 12.12 Tj=-7°C COPd 2.68 P_{dh} T_i=+2°C T_i=+2°C Pdh COPd 7.38 kW 4.17 T_i=+7°C T_i=+7°C COPd Pdh 5.57 kW 6.11 Tj=+12°C Pdh6.24 kW Tj=+12°C COP_d 7.65 T_{biv}=bivalent Pdh 13.70 kW Tbiv =bivalent temperature 2.26 COPd temperature Tot=operation Pdh 13.70 kW COPd 2.26 Tol =operation temperature temperature Bivalent temperature -10 °C Degradation co-efficient for Cdh 0.25 heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) Off mode Poff 0.005 0 kW Thermosat-off mode Type of energy input Рто 0.005 kW Standby mode 0.005 Crankcase heater mode 0.005 kW PsB kW Рск Other items For air-to-air heat pump: air Capacity control 12600 m³/h variable flow rate, outdoor measured Sound power Lwa 83 dB level,outdoor kg CO2 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	n requ	irement	s f	or air-to-air cond	itione	rs	
Model(s):SYSVRF3 M : Test matching indoor u			IH71Q4N18(0	Q)+1	I×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	28.00	kW		Seasonal space cooling energy efficiency	ηs,c	287.0	%
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	28.00	kW		Tj=+35°C	EERd	3.20	
Tj=+30°C	Pdc	20.63	kW		Tj=+30°C	EERd	4.81	
Tj=+25°C	Pdc	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 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
			Othe	er ite	ems			•
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		12600	m³/h
Sound power level, outdoor	Lwa	84	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 280 AIR EVO HP R 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. Value Unit Unit Item Symbol Item Symbol Value Seasonal space heating Rated heating capacity 28.00 kW 167.7 % Prated,h ηs,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 Ti outdoor temperatures Tj T_i=-7°C COPd T_i=-7°C 14.15 kW 2.50 Pdh8.62 kW Tj=+2°C COPd 4.07 Tj=+2°C PdhTj=+7°C P_{dh} kW Tj=+7°C COPd 5.77 6.18 Pdh T_i=+12°C 6.45 kW Tj=+12°C COPd 7.73 T_{biv}=bivalent 16.00 kW Tbiv =bivalent temperature 2.10 PdhCOPd temperature To_L=operation 16.00 kW Tol =operation temperature COPd 2.10 Pdhtemperature °C Bivalent temperature -10 Thiv Degradation co-efficient for Cdh0.25 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 0.005 kW Рτο Crankcase heater mode Рск Standby mode kW 0.005 kW PsB 0.005 Other items For air-to-air heat pump: air m³/h 12600 Capacity control variable flow rate, outdoor measured Sound power dB Lwa 84 level,outdoor kg CO₂ eq GWP of the refrigerant 2088 (100years) Contact details (**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

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Cooling mode:

Info	ormatic	n requ	irement	s f	or air-to-air cond	itione	rs	
Model(s):SYSVRF3 M				<u> </u>				
Test matching indoor ur			· ·	Q)+3	3×MIH71Q4N18(Q)			
Outdoor side heat exch								
Indoor side heat exchar	nger of air c	onditioner: a	air					
Type: compressor drive	en							
Driver of compressor: e	lectric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	33.50	kW		Seasonal space cooling energy efficiency	ηs,c	284.5	%
Declared cooling capacity for part load at given outdoor temperatures T _j 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 T _j			
Tj=+35°C	Pdc	33.50	kW		Tj=+35°C	EERd	2.88	
Tj=+30°C	Pdc	24.68	kW		Tj=+30°C	EERd	4.84	
Tj=+25°C	Pdc	15.87	kW		Tj=+25°C	EERd	8.23	
Tj=+20°C	Pdc	8.87	kW		Tj=+20°C	EERd	16.68	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	odes	other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er ite	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured	ı	13500	m³/h
Sound power level, outdoor	Lwa	85	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 335 AIR EVO HP R 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. Unit Item Symbol Value Unit Item Symbol Value Seasonal space heating Rated heating capacity 33.50 kW 168.5 % Prated,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 T_i=-7°C P^{dh} 16.28 Tj=-7°C COPd 2.50 9.91 T_i=+2°C COPd T_i=+2°C Pdh kW 3.97 T_i=+7°C 6.37 T_i=+7°C PdhkW COPd 6.50 --Tj=+12°C P^{dh} 6.44 kW Tj=+12°C COPd 8.30 T_{biv}=bivalent Pdh18.40 kW Tbiv =bivalent temperature 2.18 COPd temperature To_L=operation Pdh18.40 kW ToL =operation temperature COPd 2.18 temperature Bivalent temperature -10 °C Degradation co-efficient for 0.25 Cdh heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater 0.005 Back-up heating capacity(*) Off mode Poff kW 0 kW Thermosat-off mode Рто 0.005 kW Type of energy input Standby mode 0.005 kW Crankcase heater mode 0.005 kW PsB Рск Other items For air-to-air heat pump: air Capacity control 13500 m³/h variable flow rate, outdoor measured Sound power Lwa 85 dB level,outdoor kg CO₂ eq GWP of the refrigerant 2088 (100years) Contact details (**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of

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

Cooling mode:

Info	ormatic	n requ	irement	s for air-to-air cond	litione	rs	
Model(s):SYSVRF3 M							
Test matching indoor ui			•	Q)+4×MIH80Q4N18(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	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	40.00	kW	Seasonal space cooling energy efficiency	ηs,c	288.1	%
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency r /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	
T _j =+20°C	Pdc	8.42	kW	Tj=+20°C	EERd	17.63	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
	ļ	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
		•	Othe	er 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 _{2 eq} (100years)				
Contact details			41 14				

(*)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):SYSVRF3 M 400 AIR EVO HP R

Test matching indoor units form, cassette: 2×MIH45Q4N18(Q)+4×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped 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	40.00	kW	Seasonal space heating energy efficiency	Ŋs,h	171.8	%	
Declared heating teperature 20°C				efficiency/auxiliary energy	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j			
Tj=-7°C	Pdh	19.46	kW	Tj=-7°C	COPd	2.58		
Tj=+2°C	Pdh	11.85	kW	Tj=+2°C	COPd	4.11		
Tj=+7°C	Pdh	7.62	kW	Tj=+7°C	COPd	6.43		
Tj=+12°C	Pdh	7.79	kW	Tj=+12°C	COPd	8.16		
T _{biv} =bivalent temperature	Pdh	22.00	kW	T _{biv} =bivalent temperature	COPd	2.16		
ToL=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 _{2 eq} (100years)					
Contact details				<u> </u>			_	

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	n requ	irements	s for air-to-air cond	ditione	rs	
Model(s):SYSVRF3 M							
Test matching indoor ur			•	1)+5×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat exchai	nger of air c	onditioner: a	nir				
Type: compressor drive	en						
Driver of compressor: e	lectric moto	r					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	45.00	kW	Seasonal space cooling energy efficiency	ηs,c	270.1	%
Declared cooling cap temperatures T _j an				Declared energy efficiency /auxiliary energy factor f			
Tj=+35°C	Pdc	45.00	kW	Tj=+35°C	EERd	2.45	
Tj=+30°C	Pdc	33.16	kW	Tj=+30°C	EERd	4.38	
Tj=+25°C	Pdc	21.32	kW	Tj=+25°C	EERd	7.93	
Tj=+20°C	Pdc	9.47	kW	Tj=+20°C	EERd	17.87	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
	I	Power consu	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	PsB	0.005	kW
			Othe	r 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 _{2 eq} (100years)				
Contact details							

(*)If C_{dc} 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):SYSVRF3 M 450 AIR EVO HP R

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

0 1.0.1.0.1.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	45.00	kW	Seasonal space heating energy efficiency	Ŋs,h	167.7	%
Declared heating teperature 20°C				Declared coefficient of p efficiency/auxiliary energ outdoor te		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 _{biv} =bivalent temperature	Pdh	24.75	kW	T _{biv} =bivalent temperature	COPd	2.06	
ToL=operation temperature	Pdh	24.75	kW	ToL =operation temperature	COPd	2.06	
Bivalent temperature	Tbiv	-10	°C				
Degradation co-efficient for heat pumps(**)	Cdh	0.25					
Power consumption in	modes othe	r than "activ	e mode"	Supplem	entary 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		15600	m³/h
Sound power level,outdoor	Lwa	86	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							

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

Cooling mode:

Model(s):SYSVRF3 M 5 Test matching indoor un		O HP R					
		ssette:2×MI	H45Q4N18(Q)	+6×MIH71Q4N18(Q)			
Outdoor side heat excha	anger of air	conditioner	air				
Indoor side heat exchan	ger of air c	onditioner: a	ir				
Type: compressor driver	n						
Driver of compressor: el	ectric 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 capa temperatures T _j and				Declared energy efficiency /auxiliary energy factor for tempe			
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	
T _j =+20°C	Pdc	10.81	kW	Tj=+20°C	EERd	16.16	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
	ı	Power consu	ımption 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	PsB	0.005	kW
		•	Othe	r items			
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured	-	22000	m³/h
Sound power level, outdoor	Lwa	88	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 500 AIR EVO HP R 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 Seasonal space heating Rated heating capacity Prated,h 50.00 kW $\eta_{\text{s},\text{h}}$ 167.0 % 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 Ti outdoor temperatures Ti T_i=-7°C T_i=-7°C COPd 2.55 Pdh24.33 T_i=+2°C Pdh14.81 kW T_i=+2°C COPd 3.89 $T_i=+7^{\circ}C$ Pdh 9.52 kW $T_i = +7^{\circ}C$ COPd 6.58 Tj=+12°C Tj=+12°C Pdh6.27 kW COP_d 7.30 Tbiv=bivalent PdhkW 27.50 Tbiv =bivalent temperature 2.13 COPd temperature To_L=operation PdhCOPd 2.13 27.50 kW Tol =operation temperature temperature Bivalent temperature -10 °C Tbiv Degradation co-efficient for 0.25 Cdhheat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) Poff 0.005 elbu 0 kW Type of energy input Thermosat-off mode Рто 0.005 kW Standby mode Crankcase heater mode Рск 0.005 kW PsB 0.005 kW Other items For air-to-air heat pump: air 22000 m³/h Capacity control variable flow rate, outdoor measured Sound power 88 dΒ Lwa level,outdoor kg CO2 eq GWP of the refrigerant 2088 (100years)

Contact details

(*)

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

Cooling mode:

Info	ormatic	n requ	irements	s f	or air-to-air cond	itione	rs	
Model(s):SYSVRF3 M			U 174 O 4 N 14 O / C	٥١				
Test matching indoor u			`	(لا				
Outdoor side heat exch								
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	56.00	kW		Seasonal space cooling energy efficiency	ηs,c	262.2	%
Declared cooling cap temperatures T _j 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	other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
		•	Othe	er ite	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		22000	m³/h
Sound power level, outdoor	Lwa	89	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details		•						

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 560 AIR EVO HP R Test matching indoor units form, cassette: 8×MIH71Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: 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 Unit Value Seasonal space heating Rated heating capacity Prated,h 56.00 kW 165.0 % ηs,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 Pdh27.42 kW Tj=-7°C COPd 2.64 Tj=+2°C P_{dh} 16.69 kW Tj=+2°C COPd --3.79 T_i=+7°C kW $T_i=+7^{\circ}C$ COPd Pdh 10.73 6.41 --Tj=+12°C Pdh5.68 kW Tj=+12°C COPd 7.09 Tbiv=bivalent Pdh31.00 kW Tbiv =bivalent temperature 2.13 COPd temperature To_L=operation 31.00 kW Tol =operation temperature COPd 2.13 temperature Bivalent temperature °C -10 Thiv Degradation co-efficient for Cdh 0.25 heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) kW Off mode 0.005 elbu 0 Poff Type of energy input Thermosat-off mode 0.005 kW Рто Crankcase heater mode Standby mode 0.005 0.005 kW PsB Рск Other items For air-to-air heat pump: air m³/h 22000 Capacity control variable flow rate, outdoor measured Sound power 89 dВ I WA level,outdoor kg CO2 eq GWP of the refrigerant 2088 (100years) Contact details

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

Cooling mode:

ormatic	n requ	irement	S	for air-to-air cond	litione	rs	
		H80Q4N18(0	2)				
anger of air	conditioner	air					
nger of air c	onditioner: a	air					
n							
lectric moto	or						
Symbol	Value	Unit		Item	Symbol	Value	Unit
Prated,c	61.50	kW		Seasonal space cooling energy efficiency	ηs,c	262.3	%
				/auxiliary energy factor fo	r part load	utilisation of at given or	efficiency utdoor
Pdc	61.50	kW		Tj=+35°C	EERd	2.38	
Pdc	45.32	kW		Tj=+30°C	EERd	4.53	
Pdc	29.13	kW		Tj=+25°C	EERd	7.54	
Pdc	12.95	kW		Tj=+20°C	EERd	15.75	
Cdc	0.25						
	Power consu	umption in mo	odes	s other than "active mode"			
Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Рто	0.005	kW		Standby mode	PsB	0.005	kW
	'	Oth	er it	tems			
	variable			For air-to-air air conditioner: air flow rate, outdoor measured		21500	m³/h
Lwa	89	dB					
	2088	kg CO _{2 eq} (100years)					
	anger of air of	anger of air conditioner: a sin selectric motor Symbol Value Prated,c 61.50 Pacity for part load at gird indoor 27/19°C (dry/v) Pdc 61.50 Pdc 45.32 Pdc 29.13 Pdc 12.95 Cdc 0.25 Power consumption of the conditioner: a sin selectric motor Poff 0.005 Part of the conditioner: a sin selectric motor Symbol Value Prated,c 61.50 Pdc 45.32 Pdc 12.95 Variable LWA 89	anger of air conditioner: air nger of air con	anger of air conditioner: air nger of air con	And the state of t	B15 AIR EVO HP R its form, cassette:8×MIH80Q4N18(Q) anger of air conditioner: air nger of air conditioner: air flow rate, outdoor measured Lwa 89 dB 2088 kg CO2 eq	nits form, cassette:8×MIH80Q4N18(Q) anger of air conditioner: air nger of air nger of air conditioner: air nger of air conditioner: air nger of air

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):SYSVRF3 M 615 AIR EVO HP R 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 Symbol Symbol Seasonal space heating Rated heating capacity 61.50 kW 172.6 Prated,h energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor efficiency/auxiliary energy factor for part load at given teperature 20°C and outdoor temperatures Tj outdoor temperatures Tj Tj=-7°C 29.90 Tj=-7°C COPd 2.66 P^{dh} T_i=+2°C T_i=+2°C Pdh 18.20 kW COPd 4.07 T_i=+7°C T_i=+7°C 11.70 kW COPd 6.53 P^{dh} Tj=+12°C Tj=+12°C PdhkW COP_d 7.41 6.75 T_{biv}=bivalent Pdh 33.80 kW Tbiv =bivalent temperature 2.13 COPd temperature To_L=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 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

Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured	-	21500	m³/h
Sound power level,outdoor	Lwa	89	dB					
GWP of the refrigerant		2088	kg CO ₂ eq					

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	n requ	irement	s t	for air-to-air cond	itione	rs	
Model(s):SYSVRF3 M (Test matching indoor u			H80Q4N18(Q	()+3	3×MIH100Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air					
Indoor side heat excha	nger of air c	onditioner: a	air					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	67.00	kW		Seasonal space cooling energy efficiency	ηs,c	242.4	%
Declared cooling cap temperatures T _j 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	14.80	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		21500	m³/h
Sound power level, outdoor	Lwa	92	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
0 1 1 1 1 1			(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):SYSVRF3 M 670 AIR EVO HP R

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

орионаі.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	67.00	kW		Seasonal space heating energy efficiency	ηs,h	169.8	%
Declared heating teperature 20°C					Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for	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 _{biv} =bivalent temperature	Pdh	36.85	kW		T _{biv} =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	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
			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 _{2 eq} (100years)					
Contact details								·

(*)

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

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	litione	rs	
Model(s):SYSVRF3 M Test matching indoor ur			IH80Q4N18(0	Q)+	6×MIH100Q4N18(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	lectric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	73.00	kW		Seasonal space cooling energy efficiency	ηs,c	224.7	%
	Declared cooling capacity for part load at given outdon temperatures Tj and indoor 27/19°C (dry/wet bulb)				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	EERd	6.84	
Tj=+20°C	Pdc	15.37	kW		Tj=+20°C	EERd	13.74	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er it	tems	•		•
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		29000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

 $(^{\star}) \text{If } C_{\text{dc}} \text{ is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25}.$

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 730 AIR EVO HP R 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. Symbol Value Unit Symbol Item Item Value Unit Seasonal space heating 73.00 kW 167.8 % Rated heating capacity Prated,h $\eta_{s,h}$ 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 2.31 T_i=+2°C Tj=+2°C Pdh 23.15 kW COPd 3.89 Tj=+7°C Tj=+7°C 14.88 kW COPd 6.99 PdhTj=+12°C Pdh 8.23 kW Tj=+12°C COPd 8.99 T_{biv}=bivalent Pdh 43.00 kW Tbiv =bivalent temperature 1.78 COPd temperature Tot=operation Pdh 43.00 kW ToL =operation temperature COPd 1.78 temperature °C Bivalent temperature Tbiv -10 Degradation co-efficient for Cdh 0.25 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 Type of energy input Thermosat-off mode Рто 0.005 kW Standby mode Crankcase heater mode 0.005 kW kW PsB Рск 0.005 Other items

Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured	 29000	m³/h
Sound power level,outdoor	Lwa	93	dB			
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)			

Contact details

(*)

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

Cooling mode:

Info	ormatic	n requ	irements	s for air-to-air con	ditione	rs	
Model(s):SYSVRF3 M Test matching indoor u			H100Q4N18(0	Ω)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat excha	nger of air c	onditioner: a	nir				
Type: compressor drive	en						
Driver of compressor: e	electric moto	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 T _j an				Declared energy efficiency /auxiliary energy factor temp			
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 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
			Othe	r items		•	
Capacity control		variable		For air-to-air air conditioner air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 785 AIR EVO HP R 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. Symbol Value Unit Item Symbol Value Unit 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 $20^{\circ}C$ and outdoor temperatures T_{j} outdoor temperatures Ti Tj=-7°C P_{dh} 38.04 kW Tj=-7°C COP_d 2.38 T_i=+2°C T_i=+2°C Pdh 23.15 kW COPd 3.90 Tj=+7°C Tj=+7°C 14.88 kW COPd 6.82 PdhTj=+12°C P^{dh} kW Tj=+12°C $\mathsf{COP}\mathsf{d}$ 8.77 8.27 Tbiv=bivalent Pdh43.00 kW Tbiv =bivalent temperature 1.97 COPd temperature Tot=operation P_{dh} 43.00 kW Tol =operation temperature COPd 1.97 temperature °C Bivalent temperature Tbiv -10 Degradation co-efficient for 0.25 C_{dh} heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) 0.005 kW 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 kW 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 CO2 eq GWP of the refrigerant 2088 (100years)

Contact details

(*)

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

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	itione	rs	
Model(s):SYSVRF3 M 8 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	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	85.00	kW		Seasonal space cooling energy efficiency	Ŋs,c	234.1	%
Declared cooling cap temperatures T _j 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	
T _j =+20°C	Pdc	17.89	kW		Tj=+20°C	EERd	13.76	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	!	Power consu	umption in mo	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		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 850 AIR EVO HP R 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. Symbol Value Unit Symbol Seasonal space heating Rated heating capacity Prated,h 85.00 kW ηs,h 165.0 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 39.81 kW Tj=-7°C COPd 2.45 P_{dh} Ti=+2°C Pdh 24.23 kW Ti=+2°C COPd 3.74 T_i=+7°C kW T_i=+7°C Pdh 15.58 COPd 6.77 T_i=+12°C 8.32 kW T_i=+12°C COPd 8.70 P_{dh} T_{biv}=bivalent 45.00 kW PdhTbiv =bivalent temperature 1.90 COPd temperature To_L=operation kW COPd Pdh45 00 Tol =operation temperature 1.90 temperature -10 °C Bivalent temperature Tbiv Degradation co-efficient for 0.25 Cdh heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Poff 0.005 kW Back-up heating capacity(*) elbu 0 kW Thermosat-off mode 0.005 kW Type of energy input Рто Crankcase heater mode 0.005 kW Standby mode PsB 0.005 kW Рск Other items For air-to-air heat pump: air Capacity control m³/h 28000 variable flow rate, outdoor measured Sound power dΒ Lwa 93 level,outdoor kg CO₂ 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. Where information relates to multi-split heat pumps, xthe 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.

Cooling mode:

Info	ormatic	n requ	irement	s f	for air-to-air cond	litione	rs	
Model(s):SYSVRF3 M 9 Test matching indoor un			IH100Q4N18((Q)+	+3×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	lectric 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	228.1	%
Declared cooling capacity for part load at given outdoor temperatures T _j 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 T _j			
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		T _j =+20°C	EERd	13.55	-
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	ımption in mo	des	other than "active mode"	ı		
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er ite	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

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

Heating mode:

Information requirements for heat pumps Model(s):SYSVRF3 M 900 AIR EVO HP R Test matching indoor units form, cassette:5×MIH100Q4N18(Q)+3×MIH140Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Item Symbol Value Unit Item Symbol Value Unit Seasonal space heating Rated heating capacity Prated,h 90.00 kW ηs,h 165.0 % 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 Ti outdoor temperatures Ti T_i=-7°C 39.81 T_i=-7°C COPd 2.41 P^{dh} Pdh T_i=+2°C 24.23 kW T_i=+2°C COPd 3.75 $T_i = +7^{\circ}C$ P^{dh} 15.58 kW $T_i=+7$ °C COPd 6.84 Tj=+12°C P_{dh} 8.22 kW Tj=+12°C COPd 8.79 --Tbiv=bivalent kW P_{dh} 45.00 Tbiv =bivalent temperature 1.86 COPd temperature To_L=operation kW COPd P_{dh} 45.00 Tol =operation temperature 1.86 temperature Bivalent temperature -10 °C Tbiv Degradation co-efficient for 0.25 Cdhheat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff 0.005 Back-up heating capacity(*) 0 kW Type of energy input Thermosat-off mode Рто 0.005 kW Standby mode Crankcase heater mode Рск 0.005 kW PsB 0.005 kW Other items For air-to-air heat pump: air 28000 m³/h Capacity control variable flow rate, outdoor measured Sound power 93 dB LWA level,outdoor kg CO₂ 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.



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