systemair

INFORMATION REQUIREMENTS FOR HEAT PUMPS

All DC Inverter V8/V8i PRO Series VRF Outdoor Unit

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

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1 FOR V8 PRO COMBINABLE SERIES

8HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	25.20	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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 ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35°C	P_{dc}	25.20	kW		T_j=+35°C	EER_d	3.21	--
T_j=+30°C	P_{dc}	18.57	kW		T_j=+30°C	EER_d	4.96	--
T_j=+25°C	P_{dc}	11.94	kW		T_j=+25°C	EER_d	8.35	--
T_j=+20°C	P_{dc}	7.83	kW		T_j=+20°C	EER_d	16.60	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	12600	m^3/h
Sound power level, outdoor	L_{WA}	83	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.								
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.								

8HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	25.20	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	170.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	12.12	kW		T_j=-7°C	COP_d	2.68	--
T_j=+2°C	P_{dh}	7.38	kW		T_j=+2°C	COP_d	4.17	--
T_j=+7°C	P_{dh}	5.57	kW		T_j=+7°C	COP_d	6.11	--
T_j=+12°C	P_{dh}	6.24	kW		T_j=+12°C	COP_d	7.65	--
T_{biv}=bivalent temperature	P_{dh}	13.70	kW		T_{biv} =bivalent temperature	COP_d	2.26	--
T_{OL}=operation temperature	P_{dh}	13.70	kW		T_{OL} =operation temperature	COP_d	2.26	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12600	m^3/h
Sound power level,outdoor	L_{WA}	83	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

10HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	287.0	%
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			
T_j=+35°C	P_{dc}	28.00	kW		T_j=+35°C	EER_d	3.20	--
T_j=+30°C	P_{dc}	20.63	kW		T_j=+30°C	EER_d	4.81	--
T_j=+25°C	P_{dc}	13.26	kW		T_j=+25°C	EER_d	8.15	--
T_j=+20°C	P_{dc}	7.97	kW		T_j=+20°C	EER_d	17.03	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	12600	m^3/h
Sound power level, outdoor	L_{WA}	84	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.								
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.								

10HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	28.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.7	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	14.15	kW		T_j=-7°C	COP_d	2.50	--
T_j=+2°C	P_{dh}	8.62	kW		T_j=+2°C	COP_d	4.07	--
T_j=+7°C	P_{dh}	5.77	kW		T_j=+7°C	COP_d	6.18	--
T_j=+12°C	P_{dh}	6.45	kW		T_j=+12°C	COP_d	7.73	--
T_{biv}=bivalent temperature	P_{dh}	16.00	kW		T_{biv} =bivalent temperature	COP_d	2.10	--
T_{OL}=operation temperature	P_{dh}	16.00	kW		T_{OL} =operation temperature	COP_d	2.10	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12600	m^3/h
Sound power level,outdoor	L_{WA}	84	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

12HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	33.50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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			
T_j=+35°C	P_{dc}	33.50	kW		T_j=+35°C	EER_d	2.88	--
T_j=+30°C	P_{dc}	24.68	kW		T_j=+30°C	EER_d	4.84	--
T_j=+25°C	P_{dc}	15.87	kW		T_j=+25°C	EER_d	8.23	--
T_j=+20°C	P_{dc}	8.87	kW		T_j=+20°C	EER_d	16.68	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	13500	m^3/h
Sound power level, outdoor	L_{WA}	85	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.								
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.								

12HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	33.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	168.5	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	16.28	kW		T_j=-7°C	COP_d	2.50	--
T_j=+2°C	P_{dh}	9.91	kW		T_j=+2°C	COP_d	3.97	--
T_j=+7°C	P_{dh}	6.37	kW		T_j=+7°C	COP_d	6.50	--
T_j=+12°C	P_{dh}	6.44	kW		T_j=+12°C	COP_d	8.30	--
T_{biv}=bivalent temperature	P_{dh}	18.40	kW		T_{biv} =bivalent temperature	COP_d	2.18	--
T_{OL}=operation temperature	P_{dh}	18.40	kW		T_{OL} =operation temperature	COP_d	2.18	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	13500	m^3/h
Sound power level,outdoor	L_{WA}	85	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

14HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	40.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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 ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35°C	P_{dc}	40.00	kW		T_j=+35°C	EER_d	2.85	--
T_j=+30°C	P_{dc}	29.47	kW		T_j=+30°C	EER_d	4.78	--
T_j=+25°C	P_{dc}	18.95	kW		T_j=+25°C	EER_d	8.25	--
T_j=+20°C	P_{dc}	8.42	kW		T_j=+20°C	EER_d	17.63	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	15600	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

14HP

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	$P_{rated,h}$	40.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	171.8	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	19.46	kW		T_j=-7°C	COP_d	2.58	--
T_j=+2°C	P_{dh}	11.85	kW		T_j=+2°C	COP_d	4.11	--
T_j=+7°C	P_{dh}	7.62	kW		T_j=+7°C	COP_d	6.43	--
T_j=+12°C	P_{dh}	7.79	kW		T_j=+12°C	COP_d	8.16	--
T_{biv}=bivalent temperature	P_{dh}	22.00	kW		T_{biv} =bivalent temperature	COP_d	2.16	--
T_{OL}=operation temperature	P_{dh}	22.00	kW		T_{OL} =operation temperature	COP_d	2.16	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	15600	m^3/h
Sound power level,outdoor	L_{WA}	86	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

16HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	45.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	270.1	%
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			
T_j=+35°C	P_{dc}	45.00	kW		T_j=+35°C	EER_d	2.45	--
T_j=+30°C	P_{dc}	33.16	kW		T_j=+30°C	EER_d	4.38	--
T_j=+25°C	P_{dc}	21.32	kW		T_j=+25°C	EER_d	7.93	--
T_j=+20°C	P_{dc}	9.47	kW		T_j=+20°C	EER_d	17.87	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	15600	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

16HP

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 optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	45.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.7	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	21.89	kW		T_j=-7°C	COP_d	2.47	--
T_j=+2°C	P_{dh}	13.33	kW		T_j=+2°C	COP_d	4.00	--
T_j=+7°C	P_{dh}	8.57	kW		T_j=+7°C	COP_d	6.36	--
T_j=+12°C	P_{dh}	8.01	kW		T_j=+12°C	COP_d	8.18	--
T_{biv}=bivalent temperature	P_{dh}	24.75	kW		T_{biv} =bivalent temperature	COP_d	2.06	--
T_{OL}=operation temperature	P_{dh}	24.75	kW		T_{OL} =operation temperature	COP_d	2.06	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	15600	m^3/h
Sound power level,outdoor	L_{WA}	86	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

18HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	50.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	278.2	%
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			
T_j=+35°C	P_{dc}	50.00	kW		T_j=+35°C	EER_d	2.76	--
T_j=+30°C	P_{dc}	36.84	kW		T_j=+30°C	EER_d	4.62	--
T_j=+25°C	P_{dc}	23.68	kW		T_j=+25°C	EER_d	8.08	--
T_j=+20°C	P_{dc}	10.81	kW		T_j=+20°C	EER_d	16.16	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	22000	m^3/h
Sound power level, outdoor	L_{WA}	88	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.								
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.								

18HP

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
Rated heating capacity	$P_{rated,h}$	50.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	24.33	kW		T_j=-7°C	COP_d	2.55	--
T_j=+2°C	P_{dh}	14.81	kW		T_j=+2°C	COP_d	3.89	--
T_j=+7°C	P_{dh}	9.52	kW		T_j=+7°C	COP_d	6.58	--
T_j=+12°C	P_{dh}	6.27	kW		T_j=+12°C	COP_d	7.30	--
T_{biv}=bivalent temperature	P_{dh}	27.50	kW		T_{biv} =bivalent temperature	COP_d	2.13	--
T_{OL}=operation temperature	P_{dh}	27.50	kW		T_{OL} =operation temperature	COP_d	2.13	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	22000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

20HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	56.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	262.2	%
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			
T_j=+35°C	P_{dc}	56.00	kW		T_j=+35°C	EER_d	2.54	--
T_j=+30°C	P_{dc}	41.26	kW		T_j=+30°C	EER_d	4.37	--
T_j=+25°C	P_{dc}	26.53	kW		T_j=+25°C	EER_d	7.60	--
T_j=+20°C	P_{dc}	11.79	kW		T_j=+20°C	EER_d	15.60	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	22000	m^3/h
Sound power level, outdoor	L_{WA}	89	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.								
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.								

20HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	56.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	165.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	27.42	kW		T_j=-7°C	COP_d	2.64	--
T_j=+2°C	P_{dh}	16.69	kW		T_j=+2°C	COP_d	3.79	--
T_j=+7°C	P_{dh}	10.73	kW		T_j=+7°C	COP_d	6.41	--
T_j=+12°C	P_{dh}	5.68	kW		T_j=+12°C	COP_d	7.09	--
T_{biv}=bivalent temperature	P_{dh}	31.00	kW		T_{biv} =bivalent temperature	COP_d	2.13	--
T_{OL}=operation temperature	P_{dh}	31.00	kW		T_{OL} =operation temperature	COP_d	2.13	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	22000	m^3/h
Sound power level,outdoor	L_{WA}	89	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

22HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	61.50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	262.3	%
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			
T_j=+35°C	P_{dc}	61.50	kW		T_j=+35°C	EER_d	2.38	--
T_j=+30°C	P_{dc}	45.32	kW		T_j=+30°C	EER_d	4.53	--
T_j=+25°C	P_{dc}	29.13	kW		T_j=+25°C	EER_d	7.54	--
T_j=+20°C	P_{dc}	12.95	kW		T_j=+20°C	EER_d	15.75	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level, outdoor	L_{WA}	89	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.								
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.								

22HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	61.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	172.6	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	29.90	kW		T_j=-7°C	COP_d	2.66	--
T_j=+2°C	P_{dh}	18.20	kW		T_j=+2°C	COP_d	4.07	--
T_j=+7°C	P_{dh}	11.70	kW		T_j=+7°C	COP_d	6.53	--
T_j=+12°C	P_{dh}	6.75	kW		T_j=+12°C	COP_d	7.41	--
T_{biv}=bivalent temperature	P_{dh}	33.80	kW		T_{biv} =bivalent temperature	COP_d	2.13	--
T_{OL}=operation temperature	P_{dh}	33.80	kW		T_{OL} =operation temperature	COP_d	2.13	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level,outdoor	L_{WA}	89	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

24HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	67.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	242.4	%
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			
T_j=+35°C	P_{dc}	67.00	kW		T_j=+35°C	EER_d	2.14	--
T_j=+30°C	P_{dc}	49.37	kW		T_j=+30°C	EER_d	4.21	--
T_j=+25°C	P_{dc}	31.74	kW		T_j=+25°C	EER_d	6.98	--
T_j=+20°C	P_{dc}	14.11	kW		T_j=+20°C	EER_d	14.80	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level, outdoor	L_{WA}	92	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.								
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.								

24HP

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 optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	67.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	169.8	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	32.60	kW		T_j=-7°C	COP_d	2.56	--
T_j=+2°C	P_{dh}	19.84	kW		T_j=+2°C	COP_d	3.97	--
T_j=+7°C	P_{dh}	12.76	kW		T_j=+7°C	COP_d	6.53	--
T_j=+12°C	P_{dh}	6.45	kW		T_j=+12°C	COP_d	7.73	--
T_{biv}=bivalent temperature	P_{dh}	36.85	kW		T_{biv} =bivalent temperature	COP_d	2.05	--
T_{OL}=operation temperature	P_{dh}	36.85	kW		T_{OL} =operation temperature	COP_d	2.05	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level,outdoor	L_{WA}	92	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

26HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	73.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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			
T_j=+35°C	P_{dc}	73.00	kW		T_j=+35°C	EER_d	2.06	--
T_j=+30°C	P_{dc}	53.79	kW		T_j=+30°C	EER_d	3.60	--
T_j=+25°C	P_{dc}	34.58	kW		T_j=+25°C	EER_d	6.84	--
T_j=+20°C	P_{dc}	15.37	kW		T_j=+20°C	EER_d	13.74	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	29000	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

26HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	73.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.8	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	38.04	kW		T_j=-7°C	COP_d	2.31	--
T_j=+2°C	P_{dh}	23.15	kW		T_j=+2°C	COP_d	3.89	--
T_j=+7°C	P_{dh}	14.88	kW		T_j=+7°C	COP_d	6.99	--
T_j=+12°C	P_{dh}	8.23	kW		T_j=+12°C	COP_d	8.99	--
T_{biv}=bivalent temperature	P_{dh}	43.00	kW		T_{biv} =bivalent temperature	COP_d	1.78	--
T_{OL}=operation temperature	P_{dh}	43.00	kW		T_{OL} =operation temperature	COP_d	1.78	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	29000	m^3/h
Sound power level,outdoor	L_{WA}	93	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

28HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	78.50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	237.8	%
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			
T_j=+35°C	P_{dc}	78.50	kW		T_j=+35°C	EER_d	2.42	--
T_j=+30°C	P_{dc}	57.84	kW		T_j=+30°C	EER_d	3.88	--
T_j=+25°C	P_{dc}	37.18	kW		T_j=+25°C	EER_d	7.02	--
T_j=+20°C	P_{dc}	16.53	kW		T_j=+20°C	EER_d	13.54	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

28HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	78.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	168.2	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	38.04	kW		T_j=-7°C	COP_d	2.38	--
T_j=+2°C	P_{dh}	23.15	kW		T_j=+2°C	COP_d	3.90	--
T_j=+7°C	P_{dh}	14.88	kW		T_j=+7°C	COP_d	6.82	--
T_j=+12°C	P_{dh}	8.27	kW		T_j=+12°C	COP_d	8.77	--
T_{biv}=bivalent temperature	P_{dh}	43.00	kW		T_{biv} =bivalent temperature	COP_d	1.97	--
T_{OL}=operation temperature	P_{dh}	43.00	kW		T_{OL} =operation temperature	COP_d	1.97	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level,outdoor	L_{WA}	93	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

30HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	85.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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 T_j			
T_j=+35°C	P_{dc}	85.00	kW		T_j=+35°C	EER_d	2.25	--
T_j=+30°C	P_{dc}	62.63	kW		T_j=+30°C	EER_d	3.79	--
T_j=+25°C	P_{dc}	40.26	kW		T_j=+25°C	EER_d	7.01	--
T_j=+20°C	P_{dc}	17.89	kW		T_j=+20°C	EER_d	13.76	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

30HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	85.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	165.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	39.81	kW		T_j=-7°C	COP_d	2.45	--
T_j=+2°C	P_{dh}	24.23	kW		T_j=+2°C	COP_d	3.74	--
T_j=+7°C	P_{dh}	15.58	kW		T_j=+7°C	COP_d	6.77	--
T_j=+12°C	P_{dh}	8.32	kW		T_j=+12°C	COP_d	8.70	--
T_{biv}=bivalent temperature	P_{dh}	45.00	kW		T_{biv} =bivalent temperature	COP_d	1.90	--
T_{OL}=operation temperature	P_{dh}	45.00	kW		T_{OL} =operation temperature	COP_d	1.90	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level,outdoor	L_{WA}	93	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

(*)

(**)If C_{dh} 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.

32HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	90.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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			
T_j=+35°C	P_{dc}	90.00	kW		T_j=+35°C	EER_d	2.05	--
T_j=+30°C	P_{dc}	66.32	kW		T_j=+30°C	EER_d	3.72	--
T_j=+25°C	P_{dc}	42.63	kW		T_j=+25°C	EER_d	6.98	--
T_j=+20°C	P_{dc}	18.95	kW		T_j=+20°C	EER_d	13.55	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

32HP

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
Rated heating capacity	$P_{rated,h}$	90.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	165.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	39.81	kW		T_j=-7°C	COP_d	2.41	--
T_j=+2°C	P_{dh}	24.23	kW		T_j=+2°C	COP_d	3.75	--
T_j=+7°C	P_{dh}	15.58	kW		T_j=+7°C	COP_d	6.84	--
T_j=+12°C	P_{dh}	8.22	kW		T_j=+12°C	COP_d	8.79	--
T_{biv}=bivalent temperature	P_{dh}	45.00	kW		T_{biv} =bivalent temperature	COP_d	1.86	--
T_{OL}=operation temperature	P_{dh}	45.00	kW		T_{OL} =operation temperature	COP_d	1.86	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level,outdoor	L_{WA}	93	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

(*)

(**)If C_{dh} 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.

2 FOR V8I INDIVIDUAL SERIES

8HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	25.20	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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 ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35°C	P_{dc}	25.20	kW		T_j=+35°C	EER_d	3.21	--
T_j=+30°C	P_{dc}	18.57	kW		T_j=+30°C	EER_d	4.96	--
T_j=+25°C	P_{dc}	11.94	kW		T_j=+25°C	EER_d	8.35	--
T_j=+20°C	P_{dc}	7.83	kW		T_j=+20°C	EER_d	16.60	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	12600	m^3/h
Sound power level, outdoor	L_{WA}	83	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.								
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.								

8HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	25.20	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	170.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	12.12	kW		T_j=-7°C	COP_d	2.68	--
T_j=+2°C	P_{dh}	7.38	kW		T_j=+2°C	COP_d	4.17	--
T_j=+7°C	P_{dh}	5.57	kW		T_j=+7°C	COP_d	6.11	--
T_j=+12°C	P_{dh}	6.24	kW		T_j=+12°C	COP_d	7.65	--
T_{biv}=bivalent temperature	P_{dh}	13.70	kW		T_{biv} =bivalent temperature	COP_d	2.26	--
T_{OL}=operation temperature	P_{dh}	13.70	kW		T_{OL} =operation temperature	COP_d	2.26	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12600	m^3/h
Sound power level,outdoor	L_{WA}	83	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

(*)

(**)If C_{dh} 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.

10HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	287.0	%
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			
T_j=+35°C	P_{dc}	28.00	kW		T_j=+35°C	EER_d	3.20	--
T_j=+30°C	P_{dc}	20.63	kW		T_j=+30°C	EER_d	4.81	--
T_j=+25°C	P_{dc}	13.26	kW		T_j=+25°C	EER_d	8.15	--
T_j=+20°C	P_{dc}	7.97	kW		T_j=+20°C	EER_d	17.03	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	12600	m^3/h
Sound power level, outdoor	L_{WA}	84	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.								
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.								

10HP

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.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	28.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.7	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	14.15	kW		T_j=-7°C	COP_d	2.50	--
T_j=+2°C	P_{dh}	8.62	kW		T_j=+2°C	COP_d	4.07	--
T_j=+7°C	P_{dh}	5.77	kW		T_j=+7°C	COP_d	6.18	--
T_j=+12°C	P_{dh}	6.45	kW		T_j=+12°C	COP_d	7.73	--
T_{biv}=bivalent temperature	P_{dh}	16.00	kW		T_{biv} =bivalent temperature	COP_d	2.10	--
T_{OL}=operation temperature	P_{dh}	16.00	kW		T_{OL} =operation temperature	COP_d	2.10	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12600	m^3/h
Sound power level,outdoor	L_{WA}	84	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					
Contact details								
(*)								
(**)If C_{dh} 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.								

12HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	33.50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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			
T_j=+35°C	P_{dc}	33.50	kW		T_j=+35°C	EER_d	2.88	--
T_j=+30°C	P_{dc}	24.68	kW		T_j=+30°C	EER_d	4.84	--
T_j=+25°C	P_{dc}	15.87	kW		T_j=+25°C	EER_d	8.23	--
T_j=+20°C	P_{dc}	8.87	kW		T_j=+20°C	EER_d	16.68	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	13500	m^3/h
Sound power level, outdoor	L_{WA}	85	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.								
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.								

12HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	33.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	168.5	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	16.28	kW		T_j=-7°C	COP_d	2.50	--
T_j=+2°C	P_{dh}	9.91	kW		T_j=+2°C	COP_d	3.97	--
T_j=+7°C	P_{dh}	6.37	kW		T_j=+7°C	COP_d	6.50	--
T_j=+12°C	P_{dh}	6.44	kW		T_j=+12°C	COP_d	8.30	--
T_{biv}=bivalent temperature	P_{dh}	18.40	kW		T_{biv} =bivalent temperature	COP_d	2.18	--
T_{OL}=operation temperature	P_{dh}	18.40	kW		T_{OL} =operation temperature	COP_d	2.18	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	13500	m^3/h
Sound power level,outdoor	L_{WA}	85	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

(*)

(**)If C_{dh} 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.

14HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	40.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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 ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35°C	P_{dc}	40.00	kW		T_j=+35°C	EER_d	2.85	--
T_j=+30°C	P_{dc}	29.47	kW		T_j=+30°C	EER_d	4.78	--
T_j=+25°C	P_{dc}	18.95	kW		T_j=+25°C	EER_d	8.25	--
T_j=+20°C	P_{dc}	8.42	kW		T_j=+20°C	EER_d	17.63	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	15600	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

14HP

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	$P_{rated,h}$	40.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	171.8	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	19.46	kW		T_j=-7°C	COP_d	2.58	--
T_j=+2°C	P_{dh}	11.85	kW		T_j=+2°C	COP_d	4.11	--
T_j=+7°C	P_{dh}	7.62	kW		T_j=+7°C	COP_d	6.43	--
T_j=+12°C	P_{dh}	7.79	kW		T_j=+12°C	COP_d	8.16	--
T_{biv}=bivalent temperature	P_{dh}	22.00	kW		T_{biv} =bivalent temperature	COP_d	2.16	--
T_{OL}=operation temperature	P_{dh}	22.00	kW		T_{OL} =operation temperature	COP_d	2.16	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	15600	m^3/h
Sound power level,outdoor	L_{WA}	86	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

16HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	45.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	270.1	%
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			
T_j=+35°C	P_{dc}	45.00	kW		T_j=+35°C	EER_d	2.45	--
T_j=+30°C	P_{dc}	33.16	kW		T_j=+30°C	EER_d	4.38	--
T_j=+25°C	P_{dc}	21.32	kW		T_j=+25°C	EER_d	7.93	--
T_j=+20°C	P_{dc}	9.47	kW		T_j=+20°C	EER_d	17.87	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	15600	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

16HP

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 optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	45.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.7	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	21.89	kW		T_j=-7°C	COP_d	2.47	--
T_j=+2°C	P_{dh}	13.33	kW		T_j=+2°C	COP_d	4.00	--
T_j=+7°C	P_{dh}	8.57	kW		T_j=+7°C	COP_d	6.36	--
T_j=+12°C	P_{dh}	8.01	kW		T_j=+12°C	COP_d	8.18	--
T_{biv}=bivalent temperature	P_{dh}	24.75	kW		T_{biv} =bivalent temperature	COP_d	2.06	--
T_{OL}=operation temperature	P_{dh}	24.75	kW		T_{OL} =operation temperature	COP_d	2.06	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	15600	m^3/h
Sound power level,outdoor	L_{WA}	86	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

18HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	50.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	278.2	%
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			
T_j=+35°C	P_{dc}	50.00	kW		T_j=+35°C	EER_d	2.76	--
T_j=+30°C	P_{dc}	36.84	kW		T_j=+30°C	EER_d	4.62	--
T_j=+25°C	P_{dc}	23.68	kW		T_j=+25°C	EER_d	8.08	--
T_j=+20°C	P_{dc}	10.81	kW		T_j=+20°C	EER_d	16.16	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	22000	m^3/h
Sound power level, outdoor	L_{WA}	88	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.								
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.								

18HP

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
Rated heating capacity	$P_{rated,h}$	50.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	24.33	kW		T_j=-7°C	COP_d	2.55	--
T_j=+2°C	P_{dh}	14.81	kW		T_j=+2°C	COP_d	3.89	--
T_j=+7°C	P_{dh}	9.52	kW		T_j=+7°C	COP_d	6.58	--
T_j=+12°C	P_{dh}	6.27	kW		T_j=+12°C	COP_d	7.30	--
T_{biv}=bivalent temperature	P_{dh}	27.50	kW		T_{biv} =bivalent temperature	COP_d	2.13	--
T_{OL}=operation temperature	P_{dh}	27.50	kW		T_{OL} =operation temperature	COP_d	2.13	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	22000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

20HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	56.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	262.2	%
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			
T_j=+35°C	P_{dc}	56.00	kW		T_j=+35°C	EER_d	2.54	--
T_j=+30°C	P_{dc}	41.26	kW		T_j=+30°C	EER_d	4.37	--
T_j=+25°C	P_{dc}	26.53	kW		T_j=+25°C	EER_d	7.60	--
T_j=+20°C	P_{dc}	11.79	kW		T_j=+20°C	EER_d	15.60	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	22000	m^3/h
Sound power level, outdoor	L_{WA}	89	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.								
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.								

20HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	56.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	165.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	27.42	kW		T_j=-7°C	COP_d	2.64	--
T_j=+2°C	P_{dh}	16.69	kW		T_j=+2°C	COP_d	3.79	--
T_j=+7°C	P_{dh}	10.73	kW		T_j=+7°C	COP_d	6.41	--
T_j=+12°C	P_{dh}	5.68	kW		T_j=+12°C	COP_d	7.09	--
T_{biv}=bivalent temperature	P_{dh}	31.00	kW		T_{biv} =bivalent temperature	COP_d	2.13	--
T_{OL}=operation temperature	P_{dh}	31.00	kW		T_{OL} =operation temperature	COP_d	2.13	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	22000	m^3/h
Sound power level,outdoor	L_{WA}	89	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

22HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	61.50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	262.3	%
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			
T_j=+35°C	P_{dc}	61.50	kW		T_j=+35°C	EER_d	2.38	--
T_j=+30°C	P_{dc}	45.32	kW		T_j=+30°C	EER_d	4.53	--
T_j=+25°C	P_{dc}	29.13	kW		T_j=+25°C	EER_d	7.54	--
T_j=+20°C	P_{dc}	12.95	kW		T_j=+20°C	EER_d	15.75	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level, outdoor	L_{WA}	89	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.								
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.								

22HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	61.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	172.6	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	29.90	kW		T_j=-7°C	COP_d	2.66	--
T_j=+2°C	P_{dh}	18.20	kW		T_j=+2°C	COP_d	4.07	--
T_j=+7°C	P_{dh}	11.70	kW		T_j=+7°C	COP_d	6.53	--
T_j=+12°C	P_{dh}	6.75	kW		T_j=+12°C	COP_d	7.41	--
T_{biv}=bivalent temperature	P_{dh}	33.80	kW		T_{biv} =bivalent temperature	COP_d	2.13	--
T_{OL}=operation temperature	P_{dh}	33.80	kW		T_{OL} =operation temperature	COP_d	2.13	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level,outdoor	L_{WA}	89	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

24HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	67.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	242.4	%
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			
T_j=+35°C	P_{dc}	67.00	kW		T_j=+35°C	EER_d	2.14	--
T_j=+30°C	P_{dc}	49.37	kW		T_j=+30°C	EER_d	4.21	--
T_j=+25°C	P_{dc}	31.74	kW		T_j=+25°C	EER_d	6.98	--
T_j=+20°C	P_{dc}	14.11	kW		T_j=+20°C	EER_d	14.80	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level, outdoor	L_{WA}	92	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.								
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.								

24HP

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 optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	67.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	169.8	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	32.60	kW		T_j=-7°C	COP_d	2.56	--
T_j=+2°C	P_{dh}	19.84	kW		T_j=+2°C	COP_d	3.97	--
T_j=+7°C	P_{dh}	12.76	kW		T_j=+7°C	COP_d	6.53	--
T_j=+12°C	P_{dh}	6.45	kW		T_j=+12°C	COP_d	7.73	--
T_{biv}=bivalent temperature	P_{dh}	36.85	kW		T_{biv} =bivalent temperature	COP_d	2.05	--
T_{OL}=operation temperature	P_{dh}	36.85	kW		T_{OL} =operation temperature	COP_d	2.05	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level,outdoor	L_{WA}	92	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

26HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	73.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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			
T_j=+35°C	P_{dc}	73.00	kW		T_j=+35°C	EER_d	2.06	--
T_j=+30°C	P_{dc}	53.79	kW		T_j=+30°C	EER_d	3.60	--
T_j=+25°C	P_{dc}	34.58	kW		T_j=+25°C	EER_d	6.84	--
T_j=+20°C	P_{dc}	15.37	kW		T_j=+20°C	EER_d	13.74	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	29000	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

26HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	73.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.8	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	38.04	kW		T_j=-7°C	COP_d	2.31	--
T_j=+2°C	P_{dh}	23.15	kW		T_j=+2°C	COP_d	3.89	--
T_j=+7°C	P_{dh}	14.88	kW		T_j=+7°C	COP_d	6.99	--
T_j=+12°C	P_{dh}	8.23	kW		T_j=+12°C	COP_d	8.99	--
T_{biv}=bivalent temperature	P_{dh}	43.00	kW		T_{biv} =bivalent temperature	COP_d	1.78	--
T_{OL}=operation temperature	P_{dh}	43.00	kW		T_{OL} =operation temperature	COP_d	1.78	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	29000	m^3/h
Sound power level,outdoor	L_{WA}	93	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

28HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	78.50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	237.8	%
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			
T_j=+35°C	P_{dc}	78.50	kW		T_j=+35°C	EER_d	2.42	--
T_j=+30°C	P_{dc}	57.84	kW		T_j=+30°C	EER_d	3.88	--
T_j=+25°C	P_{dc}	37.18	kW		T_j=+25°C	EER_d	7.02	--
T_j=+20°C	P_{dc}	16.53	kW		T_j=+20°C	EER_d	13.54	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

28HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	78.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	168.2	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	38.04	kW		T_j=-7°C	COP_d	2.38	--
T_j=+2°C	P_{dh}	23.15	kW		T_j=+2°C	COP_d	3.90	--
T_j=+7°C	P_{dh}	14.88	kW		T_j=+7°C	COP_d	6.82	--
T_j=+12°C	P_{dh}	8.27	kW		T_j=+12°C	COP_d	8.77	--
T_{biv}=bivalent temperature	P_{dh}	43.00	kW		T_{biv} =bivalent temperature	COP_d	1.97	--
T_{OL}=operation temperature	P_{dh}	43.00	kW		T_{OL} =operation temperature	COP_d	1.97	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level,outdoor	L_{WA}	93	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

30HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	85.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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 T_j			
T_j=+35°C	P_{dc}	85.00	kW		T_j=+35°C	EER_d	2.25	--
T_j=+30°C	P_{dc}	62.63	kW		T_j=+30°C	EER_d	3.79	--
T_j=+25°C	P_{dc}	40.26	kW		T_j=+25°C	EER_d	7.01	--
T_j=+20°C	P_{dc}	17.89	kW		T_j=+20°C	EER_d	13.76	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

30HP

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.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	85.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	165.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	39.81	kW		T_j=-7°C	COP_d	2.45	--
T_j=+2°C	P_{dh}	24.23	kW		T_j=+2°C	COP_d	3.74	--
T_j=+7°C	P_{dh}	15.58	kW		T_j=+7°C	COP_d	6.77	--
T_j=+12°C	P_{dh}	8.32	kW		T_j=+12°C	COP_d	8.70	--
T_{biv}=bivalent temperature	P_{dh}	45.00	kW		T_{biv} =bivalent temperature	COP_d	1.90	--
T_{OL}=operation temperature	P_{dh}	45.00	kW		T_{OL} =operation temperature	COP_d	1.90	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level,outdoor	L_{WA}	93	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

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(**)If C_{dh} 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.

32HP

Cooling mode:

Information requirements for air-to-air conditioners								
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								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	90.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	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			
T_j=+35°C	P_{dc}	90.00	kW		T_j=+35°C	EER_d	2.05	--
T_j=+30°C	P_{dc}	66.32	kW		T_j=+30°C	EER_d	3.72	--
T_j=+25°C	P_{dc}	42.63	kW		T_j=+25°C	EER_d	6.98	--
T_j=+20°C	P_{dc}	18.95	kW		T_j=+20°C	EER_d	13.55	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level, outdoor	L_{WA}	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.								
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.								

32HP

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
Rated heating capacity	$P_{rated,h}$	90.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	165.0	%
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	P_{dh}	39.81	kW		T_j=-7°C	COP_d	2.41	--
T_j=+2°C	P_{dh}	24.23	kW		T_j=+2°C	COP_d	3.75	--
T_j=+7°C	P_{dh}	15.58	kW		T_j=+7°C	COP_d	6.84	--
T_j=+12°C	P_{dh}	8.22	kW		T_j=+12°C	COP_d	8.79	--
T_{biv}=bivalent temperature	P_{dh}	45.00	kW		T_{biv} =bivalent temperature	COP_d	1.86	--
T_{OL}=operation temperature	P_{dh}	45.00	kW		T_{OL} =operation temperature	COP_d	1.86	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level,outdoor	L_{WA}	93	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					

Contact details

(*)

(**)If C_{dh} 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.

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GERMANY

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