



INFORMATION REQUIREMENTS FOR HEAT PUMPS

SYSVRF3 M AIR EVO HP R

All DC Inverter V8/V8i PRO Series VRF Outdoor Unit

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1 FOR V8 PRO COMBINABLE SERIES

25.2KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	25.20	kW		$T_j=+35^\circ\text{C}$	EER_d	3.21	--
$T_j=+30^\circ\text{C}$	P_{dc}	18.57	kW		$T_j=+30^\circ\text{C}$	EER_d	4.96	--
$T_j=+25^\circ\text{C}$	P_{dc}	11.94	kW		$T_j=+25^\circ\text{C}$	EER_d	8.35	--
$T_j=+20^\circ\text{C}$	P_{dc}	7.83	kW		$T_j=+20^\circ\text{C}$	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.								

25.2KW

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	η _{s,h}	170.0	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"				Back-up heating capacity(*)				
Off mode	P _{OFF}	0.005	kW		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	LWA	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.								

28KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	28.00	kW	$T_j=+35^\circ\text{C}$	EER_d	3.20	--
$T_j=+30^\circ\text{C}$	P_{dc}	20.63	kW	$T_j=+30^\circ\text{C}$	EER_d	4.81	--
$T_j=+25^\circ\text{C}$	P_{dc}	13.26	kW	$T_j=+25^\circ\text{C}$	EER_d	8.15	--
$T_j=+20^\circ\text{C}$	P_{dc}	7.97	kW	$T_j=+20^\circ\text{C}$	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.							

28KW

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	η _{s,h}	167.7	%
Declared heating capacity for part load at indoor temperature 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.								

33.5KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	33.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.88	--
$T_j=+30^\circ\text{C}$	P_{dc}	24.68	kW	$T_j=+30^\circ\text{C}$	EER_d	4.84	--
$T_j=+25^\circ\text{C}$	P_{dc}	15.87	kW	$T_j=+25^\circ\text{C}$	EER_d	8.23	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.87	kW	$T_j=+20^\circ\text{C}$	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.							

33.5KW

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	η _{s,h}	168.5	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		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	LWA	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.								

40KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	40.00	kW		$T_j=+35^\circ\text{C}$	EER_d	2.85	--
$T_j=+30^\circ\text{C}$	P_{dc}	29.47	kW		$T_j=+30^\circ\text{C}$	EER_d	4.78	--
$T_j=+25^\circ\text{C}$	P_{dc}	18.95	kW		$T_j=+25^\circ\text{C}$	EER_d	8.25	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.42	kW		$T_j=+20^\circ\text{C}$	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.								

40KW

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	η _{s,h}	171.8	%
Declared heating capacity for part load at indoor temperature 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	LWA	86	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.							

45KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	45.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.45	--
$T_j=+30^\circ\text{C}$	P_{dc}	33.16	kW	$T_j=+30^\circ\text{C}$	EER_d	4.38	--
$T_j=+25^\circ\text{C}$	P_{dc}	21.32	kW	$T_j=+25^\circ\text{C}$	EER_d	7.93	--
$T_j=+20^\circ\text{C}$	P_{dc}	9.47	kW	$T_j=+20^\circ\text{C}$	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.							

45KW

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 temperature 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			
$T_j=-7^\circ\text{C}$	P_{dh}	21.89	kW		$T_j=-7^\circ\text{C}$	COP_d	2.47	--
$T_j=+2^\circ\text{C}$	P_{dh}	13.33	kW		$T_j=+2^\circ\text{C}$	COP_d	4.00	--
$T_j=+7^\circ\text{C}$	P_{dh}	8.57	kW		$T_j=+7^\circ\text{C}$	COP_d	6.36	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.01	kW		$T_j=+12^\circ\text{C}$	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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		e_{lbu}	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	LWA	86	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.								

50KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	50.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.76	--
$T_j=+30^\circ\text{C}$	P_{dc}	36.84	kW	$T_j=+30^\circ\text{C}$	EER_d	4.62	--
$T_j=+25^\circ\text{C}$	P_{dc}	23.68	kW	$T_j=+25^\circ\text{C}$	EER_d	8.08	--
$T_j=+20^\circ\text{C}$	P_{dc}	10.81	kW	$T_j=+20^\circ\text{C}$	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.							

50KW

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	η _{s,h}	167.0	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"				Back-up heating capacity(*)				
Off mode	P _{OFF}	0.005	kW		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								
(*)								
(**)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.								

56KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	56.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.54	--
$T_j=+30^\circ\text{C}$	P_{dc}	41.26	kW	$T_j=+30^\circ\text{C}$	EER_d	4.37	--
$T_j=+25^\circ\text{C}$	P_{dc}	26.53	kW	$T_j=+25^\circ\text{C}$	EER_d	7.60	--
$T_j=+20^\circ\text{C}$	P_{dc}	11.79	kW	$T_j=+20^\circ\text{C}$	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	$\text{kg CO}_2 \text{ eq (100years)}$				
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.							

56KW

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	η _{s,h}	165.0	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		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	LWA	89	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.								

61.5KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	61.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.38	--
$T_j=+30^\circ\text{C}$	P_{dc}	45.32	kW	$T_j=+30^\circ\text{C}$	EER_d	4.53	--
$T_j=+25^\circ\text{C}$	P_{dc}	29.13	kW	$T_j=+25^\circ\text{C}$	EER_d	7.54	--
$T_j=+20^\circ\text{C}$	P_{dc}	12.95	kW	$T_j=+20^\circ\text{C}$	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	$\text{kg CO}_2 \text{ eq}$ (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.							

61.5KW

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 temperature 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			
$T_j=-7^\circ\text{C}$	P_{dh}	29.90	kW		$T_j=-7^\circ\text{C}$	COP_d	2.66	--
$T_j=+2^\circ\text{C}$	P_{dh}	18.20	kW		$T_j=+2^\circ\text{C}$	COP_d	4.07	--
$T_j=+7^\circ\text{C}$	P_{dh}	11.70	kW		$T_j=+7^\circ\text{C}$	COP_d	6.53	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.75	kW		$T_j=+12^\circ\text{C}$	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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		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	LWA	89	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.								

67KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	67.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.14	--
$T_j=+30^\circ\text{C}$	P_{dc}	49.37	kW	$T_j=+30^\circ\text{C}$	EER_d	4.21	--
$T_j=+25^\circ\text{C}$	P_{dc}	31.74	kW	$T_j=+25^\circ\text{C}$	EER_d	6.98	--
$T_j=+20^\circ\text{C}$	P_{dc}	14.11	kW	$T_j=+20^\circ\text{C}$	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	$\text{kg CO}_2 \text{ eq (100years)}$				
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.							

67KW

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	η _{s,h}	169.8	%
Declared heating capacity for part load at indoor temperature 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	--	Supplementary heater			
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	LWA	92	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.							

73KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	73.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.06	--
$T_j=+30^\circ\text{C}$	P_{dc}	53.79	kW	$T_j=+30^\circ\text{C}$	EER_d	3.60	--
$T_j=+25^\circ\text{C}$	P_{dc}	34.58	kW	$T_j=+25^\circ\text{C}$	EER_d	6.84	--
$T_j=+20^\circ\text{C}$	P_{dc}	15.37	kW	$T_j=+20^\circ\text{C}$	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.							

73KW

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	η _{s,h}	167.8	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		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	LWA	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.								

78.5KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	78.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.42	--
$T_j=+30^\circ\text{C}$	P_{dc}	57.84	kW	$T_j=+30^\circ\text{C}$	EER_d	3.88	--
$T_j=+25^\circ\text{C}$	P_{dc}	37.18	kW	$T_j=+25^\circ\text{C}$	EER_d	7.02	--
$T_j=+20^\circ\text{C}$	P_{dc}	16.53	kW	$T_j=+20^\circ\text{C}$	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.							

78.5KW

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 temperature 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				
$T_j=-7^{\circ}\text{C}$	P_{dh}	38.04	kW		$T_j=-7^{\circ}\text{C}$	COP_d	2.38	--
$T_j=+2^{\circ}\text{C}$	P_{dh}	23.15	kW		$T_j=+2^{\circ}\text{C}$	COP_d	3.90	--
$T_j=+7^{\circ}\text{C}$	P_{dh}	14.88	kW		$T_j=+7^{\circ}\text{C}$	COP_d	6.82	--
$T_j=+12^{\circ}\text{C}$	P_{dh}	8.27	kW		$T_j=+12^{\circ}\text{C}$	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	--		Supplementary heater			
Power consumption in modes other than "active mode"				Supplementary heater				
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	e_{lbu}	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	LWA	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.								

85KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	85.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.25	--
$T_j=+30^\circ\text{C}$	P_{dc}	62.63	kW	$T_j=+30^\circ\text{C}$	EER_d	3.79	--
$T_j=+25^\circ\text{C}$	P_{dc}	40.26	kW	$T_j=+25^\circ\text{C}$	EER_d	7.01	--
$T_j=+20^\circ\text{C}$	P_{dc}	17.89	kW	$T_j=+20^\circ\text{C}$	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.							

85KW

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	η _{s,h}	165.0	%
Declared heating capacity for part load at indoor temperature 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	LWA	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.							

90KW

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	η _{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	m³/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.							

90KW

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			
$T_j=-7^{\circ}\text{C}$	P_{dh}	39.81	kW		$T_j=-7^{\circ}\text{C}$	COP_d	2.41	--
$T_j=+2^{\circ}\text{C}$	P_{dh}	24.23	kW		$T_j=+2^{\circ}\text{C}$	COP_d	3.75	--
$T_j=+7^{\circ}\text{C}$	P_{dh}	15.58	kW		$T_j=+7^{\circ}\text{C}$	COP_d	6.84	--
$T_j=+12^{\circ}\text{C}$	P_{dh}	8.22	kW		$T_j=+12^{\circ}\text{C}$	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(*)	e_{lbu}	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	LWA	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

25.2KW

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	η _{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.								

25.2KW

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	η _{s,h}	170.0	%
Declared heating capacity for part load at indoor temperature 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	--	Supplementary heater			
Power consumption in modes other than "active mode"				Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW	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	LWA	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.							

28KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	28.00	kW	$T_j=+35^\circ\text{C}$	EER_d	3.20	--
$T_j=+30^\circ\text{C}$	P_{dc}	20.63	kW	$T_j=+30^\circ\text{C}$	EER_d	4.81	--
$T_j=+25^\circ\text{C}$	P_{dc}	13.26	kW	$T_j=+25^\circ\text{C}$	EER_d	8.15	--
$T_j=+20^\circ\text{C}$	P_{dc}	7.97	kW	$T_j=+20^\circ\text{C}$	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.							

28KW

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	η _{s,h}	167.7	%
Declared heating capacity for part load at indoor temperature 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	m³/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.								

33.5KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	33.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.88	--
$T_j=+30^\circ\text{C}$	P_{dc}	24.68	kW	$T_j=+30^\circ\text{C}$	EER_d	4.84	--
$T_j=+25^\circ\text{C}$	P_{dc}	15.87	kW	$T_j=+25^\circ\text{C}$	EER_d	8.23	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.87	kW	$T_j=+20^\circ\text{C}$	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.							

33.5KW

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 temperature 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			
$T_j=-7^\circ\text{C}$	P_{dh}	16.28	kW		$T_j=-7^\circ\text{C}$	COP_d	2.50	--
$T_j=+2^\circ\text{C}$	P_{dh}	9.91	kW		$T_j=+2^\circ\text{C}$	COP_d	3.97	--
$T_j=+7^\circ\text{C}$	P_{dh}	6.37	kW		$T_j=+7^\circ\text{C}$	COP_d	6.50	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.44	kW		$T_j=+12^\circ\text{C}$	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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		e_{lbu}	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	LWA	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.								

40KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	40.00	kW		$T_j=+35^\circ\text{C}$	EER_d	2.85	--
$T_j=+30^\circ\text{C}$	P_{dc}	29.47	kW		$T_j=+30^\circ\text{C}$	EER_d	4.78	--
$T_j=+25^\circ\text{C}$	P_{dc}	18.95	kW		$T_j=+25^\circ\text{C}$	EER_d	8.25	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.42	kW		$T_j=+20^\circ\text{C}$	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.								

40KW

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	η _{s,h}	171.8	%
Declared heating capacity for part load at indoor temperature 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(*)	e _{lbu}	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							
(*)							
(**)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.							

45KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	45.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.45	--
$T_j=+30^\circ\text{C}$	P_{dc}	33.16	kW	$T_j=+30^\circ\text{C}$	EER_d	4.38	--
$T_j=+25^\circ\text{C}$	P_{dc}	21.32	kW	$T_j=+25^\circ\text{C}$	EER_d	7.93	--
$T_j=+20^\circ\text{C}$	P_{dc}	9.47	kW	$T_j=+20^\circ\text{C}$	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.							

45KW

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	η _{s,h}	167.7	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		e _{lbu}	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								
(*)								
(**)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.								

50KW

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	η _{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.							

50KW

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	η _{s,h}	167.0	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		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								
(*)								
(**)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.								

56KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	56.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.54	--
$T_j=+30^\circ\text{C}$	P_{dc}	41.26	kW	$T_j=+30^\circ\text{C}$	EER_d	4.37	--
$T_j=+25^\circ\text{C}$	P_{dc}	26.53	kW	$T_j=+25^\circ\text{C}$	EER_d	7.60	--
$T_j=+20^\circ\text{C}$	P_{dc}	11.79	kW	$T_j=+20^\circ\text{C}$	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.							

56KW

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	η _{s,h}	165.0	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		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	LWA	89	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.								

61.5KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	61.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.38	--
$T_j=+30^\circ\text{C}$	P_{dc}	45.32	kW	$T_j=+30^\circ\text{C}$	EER_d	4.53	--
$T_j=+25^\circ\text{C}$	P_{dc}	29.13	kW	$T_j=+25^\circ\text{C}$	EER_d	7.54	--
$T_j=+20^\circ\text{C}$	P_{dc}	12.95	kW	$T_j=+20^\circ\text{C}$	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	$\text{kg CO}_2 \text{ eq}$ (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.							

61.5KW

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 temperature 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			
$T_j=-7^\circ\text{C}$	P_{dh}	29.90	kW		$T_j=-7^\circ\text{C}$	COP_d	2.66	--
$T_j=+2^\circ\text{C}$	P_{dh}	18.20	kW		$T_j=+2^\circ\text{C}$	COP_d	4.07	--
$T_j=+7^\circ\text{C}$	P_{dh}	11.70	kW		$T_j=+7^\circ\text{C}$	COP_d	6.53	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.75	kW		$T_j=+12^\circ\text{C}$	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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		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	LWA	89	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.								

67KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	67.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.14	--
$T_j=+30^\circ\text{C}$	P_{dc}	49.37	kW	$T_j=+30^\circ\text{C}$	EER_d	4.21	--
$T_j=+25^\circ\text{C}$	P_{dc}	31.74	kW	$T_j=+25^\circ\text{C}$	EER_d	6.98	--
$T_j=+20^\circ\text{C}$	P_{dc}	14.11	kW	$T_j=+20^\circ\text{C}$	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	$\text{kg CO}_2 \text{ eq (100years)}$				
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.							

67KW

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	η _{s,h}	169.8	%
Declared heating capacity for part load at indoor temperature 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	--	Supplementary heater			
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	LWA	92	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.							

73KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	73.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.06	--
$T_j=+30^\circ\text{C}$	P_{dc}	53.79	kW	$T_j=+30^\circ\text{C}$	EER_d	3.60	--
$T_j=+25^\circ\text{C}$	P_{dc}	34.58	kW	$T_j=+25^\circ\text{C}$	EER_d	6.84	--
$T_j=+20^\circ\text{C}$	P_{dc}	15.37	kW	$T_j=+20^\circ\text{C}$	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.							

73KW

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	η _{s,h}	167.8	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		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	LWA	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.								

78.5KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	78.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.42	--
$T_j=+30^\circ\text{C}$	P_{dc}	57.84	kW	$T_j=+30^\circ\text{C}$	EER_d	3.88	--
$T_j=+25^\circ\text{C}$	P_{dc}	37.18	kW	$T_j=+25^\circ\text{C}$	EER_d	7.02	--
$T_j=+20^\circ\text{C}$	P_{dc}	16.53	kW	$T_j=+20^\circ\text{C}$	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.							

78.5KW

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 temperature 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			
$T_j=-7^\circ\text{C}$	P_{dh}	38.04	kW		$T_j=-7^\circ\text{C}$	COP_d	2.38	--
$T_j=+2^\circ\text{C}$	P_{dh}	23.15	kW		$T_j=+2^\circ\text{C}$	COP_d	3.90	--
$T_j=+7^\circ\text{C}$	P_{dh}	14.88	kW		$T_j=+7^\circ\text{C}$	COP_d	6.82	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.27	kW		$T_j=+12^\circ\text{C}$	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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW			e_{lbu}	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	LWA	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.								

85KW

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			
$T_j=+35^\circ\text{C}$	P_{dc}	85.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.25	--
$T_j=+30^\circ\text{C}$	P_{dc}	62.63	kW	$T_j=+30^\circ\text{C}$	EER_d	3.79	--
$T_j=+25^\circ\text{C}$	P_{dc}	40.26	kW	$T_j=+25^\circ\text{C}$	EER_d	7.01	--
$T_j=+20^\circ\text{C}$	P_{dc}	17.89	kW	$T_j=+20^\circ\text{C}$	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.							

85KW

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	η _{s,h}	165.0	%
Declared heating capacity for part load at indoor temperature 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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		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.								

90KW

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	η _{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.							

90KW

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	η _{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	--		Supplementary heater			
Power consumption in modes other than "active mode"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		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	LWA	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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