

Heating mode:

Where information relates to multi-split heat pumps, 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.

Cooling mode:

(*) 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.

Heating mode:

Information requirements for heat pumps								
Model(s): MVi-280WV2RN1(B)								
Test matching indoor units form, no-duct: MIH45Q4N18 + 3×MIH80Q4N18								
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}	161.4	%
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}	14.16	kW		T _j =-7°C	COP _d	2.85	--
T _j =+2°C	P _{dh}	8.62	kW		T _j =+2°C	COP _d	4.02	--
T _j =+7°C	P _{dh}	5.54	kW		T _j =+7°C	COP _d	4.91	--
T _j =+12°C	P _{dh}	5.19	kW		T _j =+12°C	COP _d	7.12	--
T _{biv} =bivalent temperature	P _{dh}	16.00	kW		T _{biv} =bivalent temperature	COP _d	2.28	--
T _{OL} =operation temperature	P _{dh}	16.00	kW		T _{OL} =operation temperature	COP _d	2.28	--
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(*)	el _{bu}	0.04	kW
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.04	kW		Standby mode	PSB	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12500	m³/h
Sound power level,outdoor	L _{WA}	79	dB					
GWP of the refrigerant		2088	kg CO ₂ eq (100years)					
Contact details								
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12HP

Cooling mode:

Information requirements for air-to-air conditioners								
Model(s): MVi-335WV2RN1(B)								
Test matching indoor units form, no-duct: 4×MIH45Q4N18 + 2×MIH80Q4N18								
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	η _{s,c}	273.4	%
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T _j			
T _j =+35°C	P _{dc}	33.50	kW		T _j =+35°C	EER _d	2.90	--
T _j =+30°C	P _{dc}	24.68	kW		T _j =+30°C	EER _d	5.19	--
T _j =+25°C	P _{dc}	15.86	kW		T _j =+25°C	EER _d	7.54	--
T _j =+20°C	P _{dc}	8.62	kW		T _j =+20°C	EER _d	14.10	--
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}	0.04	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	--	12500	m³/h
Sound power level, outdoor	L _{WA}	82	dB					
GWP of the refrigerant		2088	kg CO ₂ eq (100years)					
Contact details								
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Cooling mode:

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Heating mode:

Information requirements for heat pumps								
Model(s):MVi-400WV2RN1(A)								
Test matching indoor units form, cassette: 2×MIH45Q4N18 + 4×MIH80Q4N18								
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}	163.0	%
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}	19.47	kW		T _j =-7°C	COP _d	2.51	--
T _j =+2°C	P _{dh}	11.85	kW		T _j =+2°C	COP _d	4.19	--
T _j =+7°C	P _{dh}	7.62	kW		T _j =+7°C	COP _d	4.98	--
T _j =+12°C	P _{dh}	4.65	kW		T _j =+12°C	COP _d	7.31	--
T _{biv} =bivalent temperature	P _{dh}	22.01	kW		T _{biv} =bivalent temperature	COP _d	2.52	--
T _{OL} =operation temperature	P _{dh}	22.01	kW		T _{OL} =operation temperature	COP _d	2.52	--
Bivalent temperature	T _{biv}	-10	°C					
Degradation coefficient 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(*)	el _{bu}	0.04	kW
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.04	kW		Standby mode	PSB	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12500	m³/h
Sound power level,outdoor	LWA	82	dB					
GWP of the refrigerant		2088	kg CO ₂ eq (100years)					
Contact details								
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