

Cooling mode:

Information requirements for air-to-air conditioners								
Model(s):MVi-280WV2RN1(A); Test matching indoor units form, non-duct : 2×MI-56Q4+2×MI-90Q4;								
Outdoor side heat exchanger of air conditioner:air								
Indoor side heat exchanger of air conditioner:air								
Type:compressor driven								
If applicable:driver of compressor:electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	251	%
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	kW		$T_j=+35^\circ\text{C}$	EER_d	2.33	--
$T_j=+30^\circ\text{C}$	P_{dc}	20.662	kW		$T_j=+30^\circ\text{C}$	EER_d	4.31	--
$T_j=+25^\circ\text{C}$	P_{dc}	13.537	kW		$T_j=+25^\circ\text{C}$	EER_d	8.16	--
$T_j=+20^\circ\text{C}$	P_{dc}	6.328	kW		$T_j=+20^\circ\text{C}$	EER_d	12.66	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.04	kW		Crankcase heater mode	P_{CK}	0.04	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.04	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	--	11000	m^3/h
Sound power level,outdoor	L_{WA}	78	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								

Heating mode:

Information requirements for heat pumps								
Model(s):MVi-280WV2RN1(A); Test matching indoor units form, non-duct : 2×MI-56Q4+2×MI-90Q4;								
Outdoor side heat exchanger of air conditioner:air								
Indoor side heat exchanger of air conditioner:air								
Indication if the heater is equipped with a supplementary heater:no								
If applicable: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	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	179.4	%
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			
$T_j=-7^{\circ}\text{C}$	P_{dh}	15.715	kW		$T_j=-7^{\circ}\text{C}$	COP_d	2.93	--
$T_j=+2^{\circ}\text{C}$	P_{dh}	9.445	kW		$T_j=+2^{\circ}\text{C}$	COP_d	3.99	--
$T_j=+7^{\circ}\text{C}$	P_{dh}	6.060	kW		$T_j=+7^{\circ}\text{C}$	COP_d	7.26	--
$T_j=+12^{\circ}\text{C}$	P_{dh}	3.906	kW		$T_j=+12^{\circ}\text{C}$	COP_d	8.48	--
T_{biv} =bivalent temperature	P_{dh}	15.715	kW		T_{biv} =bivalent temperature	COP_d	2.93	--
T_{OL} =operation temperature	P_{dh}	17.534	kW		T_{OL} =operation temperature	COP_d	2.21	--
Bivalent temperature	T_{biv}	-7	°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}	0.04	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.04	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0	kW		Standby mode	P_{SB}	0.04	kW
Other items								
Capacity control		variable			For air-to-air heat pump:air flow rate,outdoor measured	—	11000	m ³ /h
Sound power level,outdoor	L_{WA}	78	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,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								