

**Cooling mode:**

Information requirements for air-to-air conditioners								
Model(s):MDV-V200W/DRN1 Test matching indoor units from2,non-duct:2×MI-45Q4DHN1-D* + 2×MI-56Q4DHN1-D*								
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 <sub>Rated,c</sub>	20	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	219.8	%
Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27/19℃ (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T <sub>j</sub>			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	20.000	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	2.23	-
T <sub>j</sub> =+30℃	P <sub>dc</sub>	13.554	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	4.28	-
T <sub>j</sub> =+25℃	P <sub>dc</sub>	8.951	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	7.34	-
T <sub>j</sub> =+20℃	P <sub>dc</sub>	7.218	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	10.51	-
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	-					
Power consumption in modes other than "active mode"								
Off mode	P <sub>OFF</sub>	0.040	kW		Crankcase heater mode	P <sub>CK</sub>	0.040	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	P <sub>SB</sub>	0.040	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	-	9800	m <sup>3</sup> /h
Sound power level,outdoor	L <sub>WA</sub>	76	dB					
GWP of the refrigerant		2088	kg CO <sub>2</sub> eq (100years)					
Contact details								
(*)If C <sub>dc</sub> 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 air-to-air conditioners							
Model(s):MDV-V200W/DRN1 Test matching indoor units from2,non-duct:2×MI-45Q4DHN1-D* + 2×MI-56Q4DHN1-D*							
Outdoor side heat exchanger of air conditioner:air							
Indoor side heat exchanger of air conditioner:air							
Idication if the heater is equipped with a supplementary heater:no							
If applicable:driver of compressor:electric motor							
Parameters shall be declared for the anerage heating season,parameters for the warmer and colder heating seasons are optional							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	22	kW	Seasonal space heating energy efficiency	η <sub>s,h</sub>	142.6	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T <sub>j</sub>				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T <sub>j</sub>			
T <sub>j</sub> =-7℃	P <sub>dh</sub>	10.899	kW	T <sub>j</sub> =-7℃	COP <sub>d</sub>	2.15	-
T <sub>j</sub> =+2℃	P <sub>dh</sub>	6.761	kW	T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.52	-
T <sub>j</sub> =+7℃	P <sub>dh</sub>	4.627	kW	T <sub>j</sub> =+7℃	COP <sub>d</sub>	5.24	-
T <sub>j</sub> =+12℃	P <sub>dh</sub>	5.162	kW	T <sub>j</sub> =+12℃	COP <sub>d</sub>	6.90	-
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	10.899	kW	T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	2.15	-
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	9.517	kW	T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	1.85	-
Bivalent temperature	P <sub>biv</sub>	-7	℃				
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	-				
Power consumption in modes other than "active mode"				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.040	kW	Back-up heating capacity(*)	elbu	0.040	kW
Thermosat-off mode	P <sub>TO</sub>	0.040	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.040	kW	Standby mode	P <sub>SB</sub>	0.040	kW
Other items							
Capacity control	variable			For air-to-air heat pump:air flow rate,outdoor measured	-	9800	m³/h
Sound power level,outdoor	L <sub>WA</sub>	76	dB				
GWP of the refrigerant		2088	kg CO <sub>2</sub> eq (100years)				
Contact details							
(**)If C <sub>dh</sub> is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25							

