

Cooling mode:

Information requirements for air-to-air conditioners											
Model(s):MDV-V140W/DN1 Test matching indoor units from2,non-duct:2×MI-36Q4* + 2×MI-28Q4*											
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						Item		Symbol	Value	Unit	
Rated cooling capacity		P _{Rated,c}	14	kW			Seasonal space cooling energy efficiency		η _{s,c}	233.8	%
Declared cooling capacity for part load at given outdoor temperatures T _j 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 _j				
T _j =+35℃		P _{dc}	14.000	kW			T _j =+35℃		EER _d	2.87	-
T _j =+30℃		P _{dc}	10.016	kW			T _j =+30℃		EER _d	4.69	-
T _j =+25℃		P _{dc}	6.629	kW			T _j =+25℃		EER _d	7.53	-
T _j =+20℃		P _{dc}	5.176	kW			T _j =+20℃		EER _d	10.19	-
Degradation co-efficient for air conditioners(*)		C _{dc}	0.25	-							
Power consumption in modes other than "active mode"											
Off mode		P _{OFF}	0.023	kW			Crankcase heater mode		P _{CK}	0.023	kW
Thermostat-off mode		P _{TO}	0	kW			Standby mode		P _{SB}	0.023	kW
Other items											
Capacity control		variable					For air-to-air air conditioner:air flow rate,outdoor measured		-	6500	m³/h
Sound power level,outdoor		L _{WA}	73	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 air-to-air conditioners							
Model(s):MDV-V140W/DN1							
Test matching indoor units from2,non-duct:2×MI-36Q4* + 2×MI-28Q4*							
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 _{rated,h}	15.4	kW	Seasonal space heating energy efficiency	η _{s,h}	151.4	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T _j				Declared coefficient of performance or gas utilisation efficiency/auxiliar energy factor for part load at given outdoor temperatures T _j			
T _j =-7℃	P _{dh}	8.067	kW	T _j =-7℃	COP _d	2.27	-
T _j =+2℃	P _{dh}	4.917	kW	T _j =+2℃	COP _d	3.87	-
T _j =+7℃	P _{dh}	3.399	kW	T _j =+7℃	COP _d	5.27	-
T _j =+12℃	P _{dh}	3.654	kW	T _j =+12℃	COP _d	6.28	-
T _{biv} =bivalent temperature	P _{dh}	8.067	kW	T _{biv} =bivalent temperature	COP _d	2.27	-
T _{OL} =operation temperature	P _{dh}	6.436	kW	T _{OL} =operation temperature	COP _d	2.04	-
Bivalent temperature	P _{biv}	-7	℃				
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	-				
Power consumption in modes other than "active mode"				Supplementary heater			
Off mode	P _{OFF}	0.023	kW	Back-up heating capacity(*) Type of energy input Standby mode	elbu	0.023	kW
Thermostat-off mode	P _{TO}	0.023	kW				
Crankcase heater mode	P _{CK}	0.023	kW				
Other items							
Capacity control	variable			For air-to-air heat pump:air flow rate,outdoor measured	-	6500	m³/h
Sound power level,outdoor	L _{WA}	73	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							

