

Cooling mode:

Information requirements for air-to-air conditioners											
Model(s):MDV-V260W/DRN1 Test matching indoor units from2,non-duct:2×MI-56Q4DHN1-D* + 2×MI-71Q4DHN1-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						Item		Symbol	Value	Unit	
Rated cooling capacity		P _{Rated,c}	26	kW			Seasonal space cooling energy efficiency		η _{s,c}	214.2	%
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}	26.000	kW			T _j =+35℃		EER _d	2.35	-
T _j =+30℃		P _{dc}	18.144	kW			T _j =+30℃		EER _d	4.32	-
T _j =+25℃		P _{dc}	11.733	kW			T _j =+25℃		EER _d	6.61	-
T _j =+20℃		P _{dc}	9.074	kW			T _j =+20℃		EER _d	9.96	-
Degradation co-efficient for air conditioners(*)		C _{dc}	0.25	-							
Power consumption in modes other than "active mode"											
Off mode		P _{OFF}	0.040	kW			Crankcase heater mode		P _{CK}	0.040	kW
Thermosat-off mode		P _{TO}	0	kW			Standby mode		P _{SB}	0.040	kW
Other items											
Capacity control		variable					For air-to-air air conditioner:air flow rate,outdoor measured		-	9800	m³/h
Sound power level,outdoor		L _{WA}	77	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-V260W/DRN1								
Test matching indoor units from2,non-duct:2×MI-56Q4DHN1-D* + 2×MI-71Q4DHN1-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 _{rated,h}	28.5	kW		Seasonal space heating energy efficiency	η _{s,h}	147.4	%
Declared heating capacity for part load at indoor teperature 20℃ 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℃	P _{dh}	13.904	kW		T _j =-7℃	COP _d	2.51	-
T _j =+2℃	P _{dh}	8.426	kW		T _j =+2℃	COP _d	3.56	-
T _j =+7℃	P _{dh}	5.766	kW		T _j =+7℃	COP _d	5.21	-
T _j =+12℃	P _{dh}	6.222	kW		T _j =+12℃	COP _d	6.56	-
T _{biv} =bivalent temperature	P _{dh}	13.904	kW		T _{biv} =bivalent temperature	COP _d	2.51	-
T _{OL} =operation temperature	P _{dh}	10.358	kW		T _{OL} =operation temperature	COP _d	1.89	-
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}	0.040	kW		Back-up heating capacity(*)	elbu	0.040	kW
Thermosat-off mode	P _{TO}	0.040	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.040	kW		Standby mode	P _{SB}	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 _{WA}	77	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								

