

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):MDV-V400W/DRN1(A) Test matching indoor units from 2, non-duct: 4×MI-71Q4* + 2×MI-45Q4*							
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}	40	kW	Seasonal space cooling energy efficiency	η _{s,c}	200.2	%
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}	40.000	kW	T _j =+35°C	EER _d	2.07	-
T _j =+30°C	P _{dc}	26.685	kW	T _j =+30°C	EER _d	4.24	-
T _j =+25°C	P _{dc}	17.997	kW	T _j =+25°C	EER _d	6.48	-
T _j =+20°C	P _{dc}	17.480	kW	T _j =+20°C	EER _d	8.25	-
Degradation co-efficient for air conditioners(*)							
C _{dc}	0.25	-					
Power consumption in modes other than "active mode"							
Off mode	P _{OFF}	0.070	kW	Crankcase heater mode	P _{CK}	0.070	kW
Thermostat-off mode	P _{TO}	0	kW	Standby mode	P _{SB}	0.070	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	-	16300	m ³ /h
Sound power level, outdoor	L _{WA}	82	dB				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
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-V400W/DRN1(A) Test matching indoor units from 2, non-duct: 4×MI-71Q4* + 2×MI-45Q4*							
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}	45	kW	Seasonal space heating energy efficiency	η _{s,h}	137.4	%
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}	20.604	kW	T _j =-7°C	COP _d	2.13	-
T _j =+2°C	P _{dh}	12.860	kW	T _j =+2°C	COP _d	3.32	-
T _j =+7°C	P _{dh}	8.606	kW	T _j =+7°C	COP _d	5.11	-
T _j =+12°C	P _{dh}	9.818	kW	T _j =+12°C	COP _d	6.24	-
T _{biv} =bivalent temperature	P _{dh}	20.604	kW	T _{biv} =bivalent temperature	COP _d	2.13	-
T _{OL} =operation temperature	P _{dh}	18.365	kW	T _{OL} =operation temperature	COP _d	1.97	-
Bivalent temperature	P _{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}	0.070	kW	Back-up heating capacity(*)	elbu	0.070	kW
Thermostat-off mode	P _{TO}	0.070	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.070	kW	Standby mode	P _{SB}	0.070	kW
Other items							
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	-	16300	m ³ /h
Sound power level, outdoor	L _{WA}	82	dB				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details							
(**) If C _{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25							

