Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):MDV-V160W/DN1(B) Test matching indoor units from2,non-duct:2×MI-45Q4* + 2×MI-36Q4*							
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	$P_{rated,c}$	15.5	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	239.0	%
Declared cooling capacity for part load at given outdoor temperatures Tj 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 Tj			
Tj=+35℃	P_{dc}	15.500	kW	Tj=+35℃	EER_d	2.96	-
Tj=+30℃	P_{dc}	10.891	kW	Tj=+30℃	EER_d	4.63	-
Tj=+25℃	P_{dc}	6.981	kW	Tj=+25℃	EER_d	7.51	-
Tj=+20℃	P_{dc}	5.118	kW	Tj=+20℃	EER_d	10.96	-
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
Thermosat-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	m^3/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-V160W/DN1(B) est matching indoor units from2,non-duct:2×MI-45Q4* + 2×MI-36Q4*							
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 seasoms are optional							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	17	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	142.6	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures Tj				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj=-7℃	P_{dh}	10.407	kW	Tj=-7℃	COP_d	2.13	-
Tj=+2℃	P_{dh}	6.366	kW	Tj=+2℃	COP_d	3.49	-
Tj=+7℃	P_{dh}	4.324	kW	Tj=+7℃	COP_d	5.42	-
Tj=+12℃	P_{dh}	4.791	kW	Tj=+12℃	COP_d	6.24	-
T_{biv}=bivalent temperature	P_{dh}	10.407	kW	T_{biv}=bivalent temperature	COP_d	2.13	-
T_{OL}=operation temperature	P_{dh}	7.816	kW	T_{OL}=operation temperature	COP_d	1.76	-
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(*)	elbu	0.023	kW
Thermosat-off mode	P_{TO}	0.023	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.023	kW	Standby mode	P_{SB}	0.023	kW
Other items							
Capacity control	variable			For air-to-air heat pump:air flow rate,outdoor measured	-	6500	m^3/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							