## Cooling mode:

## Information requirements for air-to-air conditioners

Model(s):MDV-V160W/DRN1

Test matching indoor units from 2, 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

Symbol	Value	Unit	Item	Symbol	Value	Unit
P <sub>rated,c</sub>	15.5	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	239.0	%
P <sub>dc</sub>	15.500	kW	Tj=+35℃	EERd	2.96	-
P <sub>dc</sub>	10.891	kW	Tj=+30°C	EERd	4.63	-
P <sub>dc</sub>	6.981	kW	Tj=+25°C	EERd	7.51	-
P <sub>dc</sub>	5.118	kW	Tj=+20°C	EERd	10.96	-
			•			
C <sub>dc</sub>	0.25	-				
	Power cons	sumption in mo	des other than "active	mode"		
Poff	0.023	kW	Crankcase heater mode	Рск	0.023	kW
P <sub>TO</sub>	0	kW	Standby mode	P <sub>SB</sub>	0.023	kW
		Othe	er items			
	variable		For air-to-air air	_	6500	m³/h
L <sub>WA</sub>	73	dB	conditioner:air flow rate,outdoor measured			
	2088	kg CO <sub>2 eq</sub> (100years)				
	Prated,c Capacity for paind indoor 27/1 Pdc Pdc Pdc Pdc Pdc Pdc Pdc Pdc	Prated,c 15.5  capacity for part load at giver and indoor 27/19°C (dry/wet by 15.500)  Pdc 15.500  Pdc 10.891  Pdc 6.981  Pdc 5.118  Cdc 0.25  Power cons  Poff 0.023  PTO 0  variable  LwA 73	Prated,c         15.5         kW           capacity for part load at given outdoor and indoor 27/19℃ (dry/wet bulb)         kW           Pdc         15.500         kW           Pdc         10.891         kW           Pdc         6.981         kW           Pdc         5.118         kW           Cdc         0.25         -           Power consumption in mo           POFF         0.023         kW           PTO         0         kW           Other           Variable         LWA         73         dB	Prated,c 15.5 kW Seasonal space cooling energy efficiency Declared energy efficiency Tj=+35℃ Tj=+35℃ Tj=+30℃ Tj=+25℃ Tj=+20℃  Cdc 0.25 -  Power consumption in modes other than "active PoFF 0.023 kW Crankcase heater mode Tip=+20℃  Crankcase heater mode Standby mode  Other items  Variable  For air-to-air air conditioner:air flow rate, outdoor measured Tip=+20℃ T	Prated,c 15.5 kW Seasonal space cooling energy efficiency ratio or garacity for part load at given outdoor and indoor 277/9°C (dry/wet bulb)  Pdc 15.500 kW Tj=+35°C EERd  Pdc 10.891 kW Tj=+30°C EERd  Pdc 6.981 kW Tj=+25°C EERd  Pdc 5.118 kW Tj=+20°C EERd  Pdc 5.118 kW Tj=+20°C EERd  Cdc 0.25 - EERd  Power consumption in modes other than "active mode"  Poff 0.023 kW Crankcase heater mode  Poff 0.023 kW Standby mode PsB  Other items  Variable For air-to-air air conditioner:air flow rate, outdoor measured	Prated.c 15.5 kW Seasonal space cooling energy efficiency ratio or gas utilisation efficiency ratio or part load at given outdoor energy factor for part load at given outdoor temperate energy factor for part load at given outdoor temperate energy factor for part load at given outdoor temperate energy factor for part load at given outdoor temperate to provide the energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy factor for part load at given outdoor temperate to provide energy efficiency ratio or gas utilisation efficiency at load at given outdoor temperate to provide energy efficiency at load at given outdoor temperate to provide energy efficiency at load at given outdoor temperate to provide energy efficiency at load at given outdoor temperate to provide energy efficiency at load at given outdoor temperate to provide energy efficiency at load at given outdoor temperate to provide energy efficiency at load at given outdoor temperate to energy efficiency at load at given outdoor temperate to energy efficiency at load at given outdoor temperate to energy efficiency at load at given outdoor temperate to energy efficiency at load at given outdoor temperate to energy efficiency at load at given outdoor temperate to energy efficiency at load at given outdoor energy factor for part load at given outdoor energy factor for part load at given outdoor energy factor for part load at given outdoor energy factor for pa

Contact details

(\*)If Cdc 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/DRN1 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 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 Symbol Value Unit Symbol Value Rated heating Seasonal space heating $\eta_{\text{s,h}}$ P<sub>rated,h</sub> 17 kW 142.6 % capacity energy efficiency Declared heating capacity for part load at indoor teperature Declared coefficient of performance or gas utilisation efficiency/auxiliary 20°C and outdoor temperatures Tj energy factor for part load at given outdoor temperatures Tj Tj=-7°C Tj=-7°C 10.407 kW COPd 2.13 $P_{dh}$ Tj=+2°C Tj=+2°C 6.366 kW COP<sub>d</sub> 3.49 Tj=+7°C $P_{dh}$ Tj=+7°C 4.324 kW COPd 5.42 Tj=+12℃ $P_{\text{dh}}$ Tj=+12°C 4.791 kW COPd 6.24 T<sub>biv</sub>=bivalent Thiv=bivalent $P_{\text{dh}}$ 10.407 kW COP<sub>d</sub> 2.13 temperature temperature T<sub>OL</sub>=operation T<sub>OL</sub>=operation $P_{dh}$ COPd 7.816 kW 1.76 temperature temperature Bivalent $^{\circ}$ -7 P<sub>biv</sub> temperature Degradation co-efficient $C_{dh}$ 0.25 for heat pumps(\*\*) Power consumption in modes other than "active mode" Supplementary heater Back-up heating Poff elbu Off mode 0.023 kW 0.023 capacity(\*) Thermosat-off Type of energy Рто kW 0.023 mode input Crankcase heater $\mathsf{P}_\mathsf{CK}$ Standby mode kW $P_{SB}$ 0.023 kW 0.023 mode Other items variable Capacity control For air-to-air heat Sound power pump:air flow 6500 m<sup>3</sup>/h 73 dB Lwa rate,outdoor level,outdoor measured GWP of the kg CO<sub>2</sub> eq 2088 refrigerant (100years) Contact details (\*\*)If Cdh is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25