

**Cooling mode:**

Information requirements for air-to-air conditioners							
Model(s):MDV-V120W/DRN1 Test matching indoor units from2,non-duct:2×MI-36Q4* + 2×MI-22Q4*							
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	$P_{rated,c}$	12.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	223.8	%
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 $T_j$			
$T_j=+35^\circ\text{C}$	$P_{dc}$	12.300	kW	$T_j=+35^\circ\text{C}$	$EER_d$	3.06	-
$T_j=+30^\circ\text{C}$	$P_{dc}$	8.769	kW	$T_j=+30^\circ\text{C}$	$EER_d$	4.91	-
$T_j=+25^\circ\text{C}$	$P_{dc}$	5.612	kW	$T_j=+25^\circ\text{C}$	$EER_d$	7.31	-
$T_j=+20^\circ\text{C}$	$P_{dc}$	4.212	kW	$T_j=+20^\circ\text{C}$	$EER_d$	8.04	-
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	$\text{m}^3/\text{h}$
Sound power level,outdoor	$L_{WA}$	72	dB				
GWP of the refrigerant	2088	$\text{kg CO}_2 \text{ eq}$	(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-V120W/DRN1 Test matching indoor units from2,non-duct:2×MI-36Q4* + 2×MI-22Q4*							
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	$P_{rated,h}$	13.2	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	153.0	%
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 $T_j$			
$T_j=-7^\circ\text{C}$	$P_{dh}$	7.948	kW	$T_j=-7^\circ\text{C}$	$COP_d$	2.44	-
$T_j=+2^\circ\text{C}$	$P_{dh}$	4.871	kW	$T_j=+2^\circ\text{C}$	$COP_d$	3.87	-
$T_j=+7^\circ\text{C}$	$P_{dh}$	3.172	kW	$T_j=+7^\circ\text{C}$	$COP_d$	5.25	-
$T_j=+12^\circ\text{C}$	$P_{dh}$	3.560	kW	$T_j=+12^\circ\text{C}$	$COP_d$	6.12	-
$T_{biv}$ =bivalent temperature	$P_{dh}$	7.948	kW	$T_{biv}$ =bivalent temperature	$COP_d$	2.44	-
$T_{OL}$ =operation temperature	$P_{dh}$	5.838	kW	$T_{OL}$ =operation temperature	$COP_d$	1.91	-
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	$P_{OFF}$	0.023	kW	Back-up heating capacity(*)	$e_{lbu}$	0.023	kW
Thermostat-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	$\text{m}^3/\text{h}$
Sound power level,outdoor	$L_{WA}$	72	dB				
GWP of the refrigerant	2088	$\text{kg CO}_2 \text{ eq}$	(100years)				
Contact details							
(**)If $C_{dh}$ is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25							

