

Cooling mode:

Information requirements for air-to-air conditioners								
Model(s):MV8i-900WV2RN1E(PRO)								
Test matching indoor units form, cassette: MIH100Q4N18×5+MIH140Q4N18×3								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
Type: compressor driven								
Driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	90.00	kW		Seasonal space cooling energy efficiency	η _{s,c}	227.0	%
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}	90.00	kW		T _j =+35°C	EER _d	205	%
T _j =+30°C	P _{dc}	66.29	kW		T _j =+30°C	EER _d	400	%
T _j =+25°C	P _{dc}	42.62	kW		T _j =+25°C	EER _d	656	%
T _j =+20°C	P _{dc}	18.91	kW		T _j =+20°C	EER _d	1303	%
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P _{OFF}	0.05	kW		Crankcase heater mode	P _{CK}	0.005	kW
Thermosat-off mode	P _{TO}	0.005	kW		Standby mode	P _{SB}	0.05	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m³/h
Sound power level, outdoor	L _{WA}	93	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.								

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Heating mode:

Information requirements for heat pumps								
Model(s):MV8i-900WV2RN1E(PRO)								
Test matching indoor units form, cassette:MIH100Q4N18×5+MIH140Q4N18×3								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
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	Prated,h	90.00	kW		Seasonal space heating energy efficiency	ηs,h	155.0	%
Declared heating capacity for part load at indoor teperature 20°C 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°C	Pdh	39.82	kW		Tj=-7°C	COPd	218	%
Tj=+2°C	Pdh	24.23	kW		Tj=+2°C	COPd	398	%
Tj=+7°C	Pdh	15.59	kW		Tj=+7°C	COPd	525	%
Tj=+12°C	Pdh	8.37	kW		Tj=+12°C	COPd	653	%
Tbiv=bivalent temperature	Pdh	44.99	kW		Tbiv =bivalent temperature	COPd	192	%
TOL=operation temperature	Pdh	44.99	kW		TOL =operation temperature	COPd	192	%
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	POFF	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	PTO	0.005	kW		Type of energy input			
Crankcase heater mode	PCK	0.05	kW		Standby mode	PSB	0.05	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m³/h
Sound power level,outdoor	LWA	93	dB					
GWP of the refrigerant		2088	kg CO2 eq (100years)					
Contact details								
(*)								
(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.								
Where information relates to multi-split heat pumps, xthe 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.								