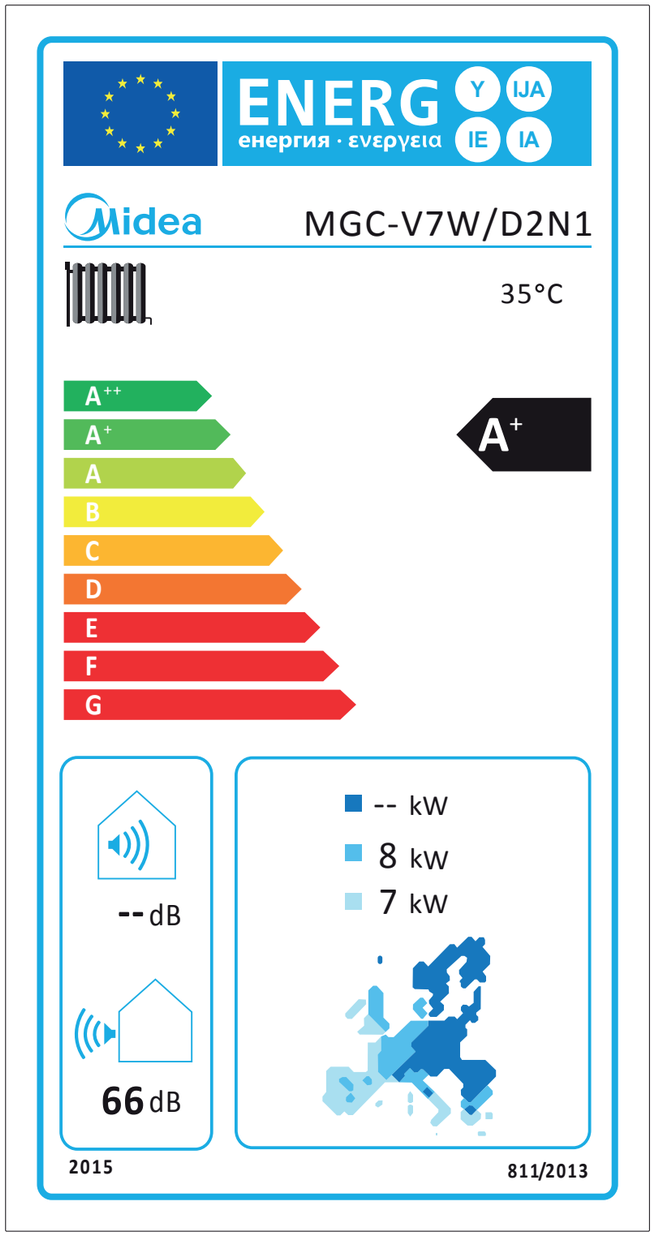

Technical parameters

Model(s):	MGC-V7W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	YES
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.	
Parameters shall be declared for average, colder and warmer climate conditions.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	5.7	kW
Tj = 2°C	Pdh	4.4	kW
Tj = 7°C	Pdh	2.9	kW
Tj = 12°C	Pdh	1.3	kW
Tj = bivalent temperature	Pdh	6.3	kW
Tj = operating limit	Pdh	5.5	kW
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW
Bivalent temperature	T_{biv}	-4	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
off mode	P_{off}	0.011	kW
standby mode	P_{sb}	0.011	kW
thermostat-off mode	P_{to}	0.005	kW
crankcase heater mode	P_{ck}	0.032	kW
Other items			
Capacity control		variable	
Sound power level, indoors/ outdoors	L_{WA}	-/66	dB
Annual energy consumption	Q_{HE}	4750	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	135	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COPd	2.30	-
Tj = 2°C	COPd	3.48	-
Tj = 7°C	COPd	5.60	-
Tj = 12°C	COPd	4.30	-
Tj = bivalent temperature	COPd	2.54	-
Tj = operating limit	COPd	2.30	-
For air-to-water heat pumps: Tj = -15°C	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc} or PER_{cyc}	-	%
Heating water operating limit temperature	W_{TOL}	-	°C
Supplementary heater			
Rated heat output (**)	Psup	-	kW
Type of energy input		-	
For air-to-water heat pumps: Rated air flow rate, outdoors	-	3750	m³/h
For water-/or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

For heat pump combination heater:			
Declared load profile		-	
Daily electricity consumption	Q_{elec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.