

Technical parameters										
Model(s):	MHA-V12W/D2RN8-B2 / HB-A160/CDS90GN8-B2									
Air-to-water heat pump:	YES									
Water-to-water heat pump:	NO									
Brine-to-water heat pump:	NO									
Low-temperature heat pump:	NO									
Equipped with a supplementary heater:	NO									
Heat pump combination heater:	NO									
Declared climate condition:	AVERAGE									
Parameters are declared for medium-temperature application.										
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	11.6	kW	Seasonal space heating energy efficiency	η_s	135.1	%			
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj						
Tj = -7°C	Pdh	10.24	kW	Tj = -7°C	COPd	2.01	-			
Tj = 2°C	Pdh	6.52	kW	Tj = 2°C	COPd	3.44	-			
Tj = 7°C	Pdh	4.36	kW	Tj = 7°C	COPd	4.59	-			
Tj = 12°C	Pdh	3.29	kW	Tj = 12°C	COPd	6.05	-			
Tj = bivalent temperature	Pdh	10.24	kW	Tj = bivalent temperature	COPd	2.01	-			
Tj = operating limit	Pdh	9.10	kW	Tj = operating limit	COPd	1.79	-			
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-			
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C			
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-			
Degradation co-efficient (**)	Cdh	0.9	--	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than active mode				Supplementary heater						
Off mode	Poff	0.020	kW	Rated heat output (**)	Psup	1.23	kW			
Standby mode	Psb	0.020	kW	Type of energy input	Electrical					
Thermostat-off mode	Pto	0.030	kW							
Crankcase heater mode	Pck	0.000	kW							
Other items										
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4060	m³/h			
Sound power level, indoors/outdoors	LWA	43/64	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h			
Annual energy consumption	QHE	6928	kWh							
For heat pump combination heater:										
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%			
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ			
Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, 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.										