

Technical parameters										
Model(s):		Outdoor unit: MHA-V12W/D2RN8-B2 Indoor unit: HB-A160/CGN8-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				
Rated heat output (*)				Prated	11.6	kW				
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℃		Pdh	10.24	kW	Tj = -7℃			COPd	2.01	-
Tj = 2℃		Pdh	6.52	kW	Tj = 2℃			COPd	3.44	-
Tj = 7℃		Pdh	4.36	kW	Tj = 7℃			COPd	4.59	-
Tj = 12℃		Pdh	3.29	kW	Tj = 12℃			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℃		Pdh	-	kW	For air-to-water heat pumps: Tj = -15℃			COPd	-	-
Bivalent temperature		Tbiv	-7	℃	For air-to-water heat pumps: Operation limit temperature			TOL	-10	℃
Cycling interval capacity for heating		Pcyc	-	kW	Cycling interval efficiency			COPcyc	-	-
Degradation co-efficient (**)		Cdh	0.9	--	Heating water operating limit temperature			WTOL	60	℃
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		ηwh	-	%		
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.										