

Technical parameters									
Model(s):		Outdoor unit: MHA-V14W/D2N8-B2 Indoor unit: HB-A160/C***GN8-B2, HBT-A160/240CD***GN8-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:		YES							
Heat pump combination heater:		YES							
Declared climate condition:		AVERAGE							
Parameters are declared for medium-temperature application.									
Item		Symbol	Value	Unit	Item		Symbol	Value	Unit
Rated heat output (*)		Prated	12.1	kW	Seasonal space heating energy efficiency		ηs	135.6	%
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	10.68	kW	Tj = -7℃		COPd	2.01	-
Tj = 2℃		Pdh	6.86	kW	Tj = 2℃		COPd	3.43	-
Tj = 7℃		Pdh	4.63	kW	Tj = 7℃		COPd	4.66	-
Tj = 12℃		Pdh	3.31	kW	Tj = 12℃		COPd	6.13	-
Tj = bivalent temperature		Pdh	10.68	kW	Tj = bivalent temperature		COPd	2.01	-
Tj = operating limit		Pdh	9.19	kW	Tj = operating limit		COPd	1.76	-
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	65	℃
Power consumption in modes other than active mode				Supplementary heater					
Off mode		Poff	0.014	kW	Rated heat output (**)		Psup	1.40	kW
Standby mode		Psb	0.014	kW	Type of energy input		Electrical		
Thermostat-off mode		Pto	0.024	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 ^{a)} /65 44 ^{b)} /65	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	-	m³/h
Annual energy consumption		QHE	7202	kWh					
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency		ηwh	123	%	
Daily electricity consumption		Qelec	6.35	kWh	Daily fuel consumption		Qfuel	-	kWh
Annual electricity consumption		AEC	1360	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.									
a) Represents : HB-A160/C***GN8-B2									
b) Represents : HBT-A160/240CD***GN8-B2									