

Technical parameters													
Model(s):		MHA-V14W/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	12.08	kW	Seasonal space heating energy efficiency				η_s	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	60	℃
Power consumption in modes other than active mode						Supplementary heater							
Off mode				Poff	0.020	kW	Rated heat output (**)				Psup	1.40	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	43/65	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				-	-	m³/h
Annual energy consumption				QHE	7203	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.													