

Technical parameters														
Model(s):		MHA-V16W/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	13.0	kW	Seasonal space heating energy efficiency				η_s	133.2	%	
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	11.52	kW	Tj = -7℃				COPd	1.99	-	
Tj = 2℃				Pdh	7.18	kW	Tj = 2℃				COPd	3.34	-	
Tj = 7℃				Pdh	4.67	kW	Tj = 7℃				COPd	4.61	-	
Tj = 12℃				Pdh	3.31	kW	Tj = 12℃				COPd	6.07	-	
Tj = bivalent temperature				Pdh	11.52	kW	Tj = bivalent temperature				COPd	1.99	-	
Tj = operating limit				Pdh	10.33	kW	Tj = operating limit				COPd	1.80	-	
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	2.67	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				-	4650	m³/h	
Sound power level, indoors/outdoors				LWA	43/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				-	-	m³/h	
Annual energy consumption				QHE	7896	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.														