

Technical parameters													
Model(s):				MHC-V8W/D2N8-B									
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	6.6	kW	Seasonal space heating energy efficiency				η_s	131.5	%
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	5.84	kW	Tj = -7℃				COPd	2.16	-
Tj = 2℃				Pdh	3.75	kW	Tj = 2℃				COPd	3.30	-
Tj = 7℃				Pdh	2.42	kW	Tj = 7℃				COPd	4.34	-
Tj = 12℃				Pdh	1.39	kW	Tj = 12℃				COPd	5.33	-
Tj = bivalent temperature				Pdh	5.84	kW	Tj = bivalent temperature				COPd	2.16	-
Tj = operating limit				Pdh	4.90	kW	Tj = operating limit				COPd	1.84	-
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	0.014	kW	Rated heat output (**)				Psup	1.69	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		-	4030	m³/h			
Sound power level, indoors/outdoors				LWA	-59	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	-	m³/h		
Annual energy consumption				QHE	4056	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.													

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Low-temperature heat pump:				NO									
Equipped with a supplementary heater:				NO									
Heat pump combination heater:				NO									
Declared climate condition:				COLDER									
Parameters are declared for medium-temperature application.													
Item				Symbol	Value	Unit	Item				Symbol	Value	Unit
Rated heat output (*)				Prated	5.8	kW	Seasonal space heating energy efficiency				η_s	112.0	%
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	3.86	kW	Tj = -7°C				COPd	2.48	-
Tj = 2°C				Pdh	2.21	kW	Tj = 2°C				COPd	3.35	-
Tj = 7°C				Pdh	1.44	kW	Tj = 7°C				COPd	4.11	-
Tj = 12°C				Pdh	1.46	kW	Tj = 12°C				COPd	5.92	-
Tj = bivalent temperature				Pdh	4.71	kW	Tj = bivalent temperature				COPd	1.90	-
Tj = operating limit				Pdh	2.80	kW	Tj = operating limit				COPd	1.22	-
For air-to-water heat pumps: Tj = -15°C				Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C				COPd	-	-
Bivalent temperature				Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature				TOL	-22	°C
Cycling interval capacity for heating				Pcyc	-	kW	Cycling interval efficiency				COPcyc	-	-
Degradation co-efficient (**)				Cdh	0.9	--	Heating water operating limit temperature				WTOL	51	°C
Power consumption in modes other than active mode						Supplementary heater							
Off mode				Poff	0.014	kW	Rated heat output (**)				Psup	2.97	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				-	4030	m³/h
Sound power level, indoors/outdoors				LWA	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				-	-	m³/h
Annual energy consumption				QHE	4950	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)									
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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.													

Technical parameters							
Model(s):	MHC-V8W/D2N8-B						
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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:	WARMER						
Parameters are declared for medium-temperature application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7.6	kW	Seasonal space heating energy efficiency	η_s	175.8	%
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	-	kW	Tj = -7℃	COPd	-	-
Tj = 2℃	Pdh	7.55	kW	Tj = 2℃	COPd	2.59	-
Tj = 7℃	Pdh	4.86	kW	Tj = 7℃	COPd	3.92	-
Tj = 12℃	Pdh	2.31	kW	Tj = 12℃	COPd	5.55	-
Tj = bivalent temperature	Pdh	4.86	kW	Tj = bivalent temperature	COPd	3.92	-
Tj = operating limit	Pdh	7.55	kW	Tj = operating limit	COPd	2.59	-
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	2	℃
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9	--	Heating water operating limit temperature	WTOL	62	℃
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0.014	kW	Rated heat output (**)	Psup	0	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	-	4030	m³/h
Sound power level, indoors/outdoors	LWA	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	2259	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
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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.							