

Technical parameters							
Model(s):	MHC-V6W/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	5.7	kW	Seasonal space heating energy efficiency	η_s	137.9	%
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	5.04	kW	Tj = -7℃	COPd	2.17	-
Tj = 2℃	Pdh	3.12	kW	Tj = 2℃	COPd	3.51	-
Tj = 7℃	Pdh	2.08	kW	Tj = 7℃	COPd	4.54	-
Tj = 12℃	Pdh	1.28	kW	Tj = 12℃	COPd	5.59	-
Tj = bivalent temperature	Pdh	5.04	kW	Tj = bivalent temperature	COPd	2.17	-
Tj = operating limit	Pdh	4.52	kW	Tj = operating limit	COPd	1.91	-
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	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
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	P _{off}	0.014	kW	Rated heat output (**)	P _{sup}	1.18	kW
Standby mode	P _{sb}	0.014	kW				
Thermostat-off mode	P _{to}	0.024	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{ck}	0.000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2770	m³/h
Sound power level, indoors/outdoors	LWA	-58	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	Q _{HE}	3345	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	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	4.3	kW	Seasonal space heating energy efficiency	η_s	111.1	%
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	2.70	kW	Tj = -7℃	COPd	2.46	-
Tj = 2℃	Pdh	1.60	kW	Tj = 2℃	COPd	3.36	-
Tj = 7℃	Pdh	1.02	kW	Tj = 7℃	COPd	3.94	-
Tj = 12℃	Pdh	1.37	kW	Tj = 12℃	COPd	6.35	-
Tj = bivalent temperature	Pdh	3.47	kW	Tj = bivalent temperature	COPd	1.86	-
Tj = operating limit	Pdh	2.09	kW	Tj = operating limit	COPd	1.13	-
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15℃	COPd	-	-
Bivalent temperature	Tbiv	-15	℃	For air-to-water heat pumps: Operation limit temperature	TOL	-22	℃
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9	--	Heating water operating limit temperature	WTOL	51	℃
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0.014	kW	Rated heat output (**)	Psup	5.10	kW
Standby mode	Psb	0.014	kW				
Thermostat-off mode	Pto	0.024	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0.000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2770	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	3681	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.							

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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							
Rated heat output (*)				Prated		5.1		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		-		kW		Tj = -7℃		COPd		-		-	
Tj = 2℃		Pdh		5.02		kW		Tj = 2℃		COPd		2.48		-	
Tj = 7℃		Pdh		3.31		kW		Tj = 7℃		COPd		3.67		-	
Tj = 12℃		Pdh		1.60		kW		Tj = 12℃		COPd		5.29		-	
Tj = bivalent temperature		Pdh		3.31		kW		Tj = bivalent temperature		COPd		3.67		-	
Tj = operating limit		Pdh		5.02		kW		Tj = operating limit		COPd		2.48		-	
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		-		2770		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		1640		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.															