

			Technic	al parameters					
Model(s):				MHC-V9W/D2N	1				
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: Parameters shall be declared for shall be declared for low-tempera Parameters shall be declared for	ture application	perature appli on.		for low-temperature heat pumps. F ditions	or low-temperatur	e heat pumps,	parameters		
ltere	Current al	Value	l lait	literer	Cumhal	Velue	l la it		
Item	Symbol	Value	Unit	Item Seasonal space heating	Symbol	Value	Unit		
Rated heat output (*) Declared capacity for heating for	Prated	9	kW	energy efficiency Declared coefficient of perform	ηs	127	%		
and outdoor temperature T	part load at	indoor tempe		indoor temperature 20 °C and			part load		
	Pdh	7.7	kW	•	COPd	1.98	-		
Tj = -7℃	Pdh			Tj = -7℃	COPd				
Tj = 2℃		4.9	kW	Tj = 2℃		3.02	-		
Tj = 7℃	Pdh	3.2	kW	Tj = 7℃	COPd	4.67	-		
Tj = 12℃	Pdh	1.4	kW	Tj = 12℃	COPd	6.16	-		
Tj = bivalent temperature	Pdh	7.7	kW	Tj = bivalent temperature	COPd	1.98	-		
Tj = operating limit	Pdh	7.0	kW	Tj = operating limit	COPd	1.78	-		
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-		
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C		
Cycling interval capacity for heating	P <sub>cych</sub>	-	kW	Cycling interval efficiency	COP <sub>cyc</sub> or PERcyc	-	%		
Degradation co-efficient (**)	C <sub>dh</sub>	0.9		Heating water operating limit temperature	W <sub>TOL</sub>	49	°C		
Power consumption in modes oth	ner than activ	e mode		Supplementary heater					
off mode	P <sub>off</sub>	0.016	kW						
	P <sub>sb</sub>	0.016	kW	Rated heat output (**)	Psup	1.7	kW		
standby mode thermostat-off mode	P <sub>to</sub>	0.016	kW						
crankcase heater mode		0.010	kW	Type of energy input		-			
טומוות כמשב ווכמובו וווטעל	P <sub>ck</sub>	0.004	N V V						
Other items									
Capacity control		variable		For air-to-water heat pumps:		3050	m³/h		
		valiable		Rated air flow rate, outdoors	-	5050	1117/1		
Sound power level, indoors/ butdoors	L <sub>WA</sub>	-/68	dB	For water- or brine-to-water heat pumps: Rated brine or		_	m <sup>3</sup> /h		
Annual energy consumption	$Q_{HE}$	5558	kWh or GJ	water flow rate, outdoor heat exchanger	-		111 /11		
For heat pump combination heat	er:								
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%		
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
Contact details		Leating 9 Ver	tilation Equipme	nt Co. Ltd(Penglai industry road, Be	iiiaa Ohuuda Faa				

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.

			rechnic	cal parameters				
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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 NO						
Heat pump combination heater: Parameters shall be declared for shall be declared for low-tempera Parameters shall be declared for	ture applicatio	erature applic		for low-temperature heat pumps. F Iditions	or low-temperature	e heat pumps,	parameter	
tem	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	9	kW	Seasonal space heating energy efficiency	ηs	110	%	
Declared capacity for heating for and outdoor temperature Ti	part load at	indoor temper	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and		•.	part load	
, ,	Pdh	5.4	kW		COPd	2.32	-	
l] = -7℃	-	-		Tj = -7℃		-		
<b>ſj = 2℃</b>	Pdh	3.2	kW	Tj = 2℃	COPd	3.38	-	
<b>[] = 7</b> ℃	Pdh	2.1	kW	Tj = 7℃	COPd	4.87	-	
<b>Γ</b> ] = 12℃	Pdh	1.1	kW	Tj = 12℃	COPd	6.25	-	
Γj = bivalent temperature	Pdh	6.4	kW	Tj = bivalent temperature	COPd	1.93	-	
Γj = operating limit	Pdh	4.5	kW	Tj = operating limit	COPd	1.38	-	
For air-to-water heat pumps: Tj = -15℃	Pdh	6.1	kW	For air-to-water heat pumps: Tj = -15℃	COPd	1.79	-	
Bivalent temperature	T <sub>biv</sub>	-12	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C	
Cycling interval capacity for neating	P <sub>cych</sub>	-	kW	Cycling interval efficiency	COP <sub>cyc</sub> or PERcyc	-	%	
Degradation co-efficient (**)	C <sub>dh</sub>	0.9		Heating water operating limit temperature	W <sub>TOL</sub>	40	°C	
Power consumption in modes oth	ner than activ	e mode		Supplementary heater				
off mode	P <sub>off</sub>	0.016	kW					
standby mode	P <sub>sb</sub>	0.016	kW	Rated heat output (**)	Psup	4.2	kW	
hermostat-off mode	P <sub>to</sub>	0.016	kW					
crankcase heater mode	P <sub>ck</sub>	0.034	kW	Type of energy input		-		
Other items								
Capacity control		variable		For air-to-water heat pumps:		3050	m³/h	
		valiable		Rated air flow rate, outdoors	-	5050	11.11	
Sound power level, indoors/ butdoors	L <sub>WA</sub>	-/68	dB	For water- or brine-to-water heat pumps: Rated brine or		_	m³/h	
Annual energy consumption	Q <sub>HE</sub>	7622	kWh or GJ	water flow rate, outdoor heat exchanger	-		111 /1	
For heat pump combination heat	er:							
Declared load profile	-			Water heating energy efficiency	η <sub>wh</sub>	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China							

(\*\*) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

		<u>.</u>	Technie	cal parameters		<u> </u>		
Model(s):				MHC-V9W/D2N	1			
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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						
Parameters shall be declared for shall be declared for low-tempera Parameters shall be declared for	ture application	on.		for low-temperature heat pumps. F	or low-temperature	heat pumps,	parameter	
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	8	kW	Seasonal space heating		167	%	
				energy efficiency	ηs			
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor temper	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and		•.	part load	
<b>**</b>	Pdh	_	kW					
Tj = -7℃				Tj = -7℃		-	-	
Tj = 2℃	Pdh	8.5	kW	Tj = 2℃	COPd	2.22	-	
Tj = 7℃	Pdh	5.8	kW	Tj = 7℃	COPd	3.62	-	
Ti = 12℃	Pdh	2.5	kW	Ti = 12℃	COPd	5.76	-	
Tj = bivalent temperature	Pdh	8.5	kW	Tj = bivalent temperature	COPd	2.22	_	
ij bitaloni tomporatalo	-							
Tj = operating limit	Pdh	8.5	kW	Tj = operating limit	COPd	2.22	-	
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15℃	COPd	-	-	
Bivalent temperature	T <sub>biv</sub>	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	-	kW	Cycling interval efficiency	COP <sub>cyc</sub> or PERcyc	-	%	
Degradation co-efficient (**)	C <sub>dh</sub>	0.9	-	Heating water operating limit temperature	W <sub>TOL</sub>	60	°C	
Power consumption in modes otl	ner than activ	e mode		Supplementary heater				
off mode	P <sub>off</sub>	0.016	kW					
standby mode	P <sub>sb</sub>	0.016	kW	Rated heat output (**)	Psup	0.5	kW	
thermostat-off mode	P <sub>to</sub>	0.016	kW	1				
crankcase heater mode	P <sub>ck</sub>	0.010	kW	Type of energy input	-			
	I CK	0.004	1/ 1/	J				
Other items								
Capacity control		variable		For air-to-water heat pumps:		3050	m³/h	
				Rated air flow rate, outdoors	-	0000		
Sound power level, indoors/	L <sub>WA</sub>	-/68	dB	For water- or brine-to-water				
outdoors			kWh	heat pumps: Rated brine or water flow rate, outdoor heat	_	-	m <sup>3</sup> /h	
Annual energy consumption	$Q_{HE}$	2668	or GJ	exchanger				
For heat pump combination heat	er:							
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
Contact details	GD Midea I	Heating & Ven	tilating Equipm	ent Co. Ltd(Penglai industry road, Be	iiiao Shunde Fost	an Guanadone	P R Chir	
(*) For heat pump space heaters	and heat pu	ump combinat	ion heaters, t	he rated heat output Prated is equ	al to the design l			
and the rated heat output of a s (**) If Cdh is not determined by				he supplementary capacity for heat on coefficient is Cdh = 0,9.	ting sup(Tj).			