Model(s):				MHC-V4W/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 heate	er:			NO				
Heat pump combination heater:				NO				
Declared climate condition:				AVERAGE				
Parameters are declared for medium	temperature	e applicatior	۱.					
-								
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni	
Rated heat output (*)	Prated	4.4	kW	Seasonal space heating energy efficiency	ηs	129.5	%	
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	perature 20 °C	2	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor temp		tio for part lo	ad at	
Tj = -7 ℃	Pdh	3.89	kW	Tj = -7℃	COPd	2.17	-	
Tj = 2℃	Pdh	2.38	kW	Tj = 2℃	COPd	3.30	-	
Tj = 7℃	Pdh	2.94	kW	Tj = 7℃	COPd	4.41	-	
Tj = 12℃	Pdh	1.32	kW	Tj = 12℃	COPd	5.66	-	
Tj = bivalent temperature	Pdh	3.89	kW	Tj = bivalent temperature	COPd	2.17	-	
Tj = operating limit	Pdh	3.42	kW	Tj = operating limit	COPd	1.91	-	
For air-to-water heat pumps: Tj = -15 $^{\circ}$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°	COPd	-	-	
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than a	ctive mode			Supplementary heater	1			
Off mode	Poff	0.014	kW					
Standby mode	Psb	0.014	kW	Rated heat output (**)	Psup	0.98	kW	
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical		
Crankcase heater mode	Pck	0.000	kW	Type of energy input		Liectrical		
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2770	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-/55	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h	
Annual energy consumption	Q _{HE}	2744	kWh	heat exchanger				
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%	
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)				

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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Technical parameters					
Model(s):	MHC-V4W/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:	COLDER				

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item
Rated heat output (*)	Prated	3.4	kW	Seas
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	;	Decla indoo
Tj = -7℃	Pdh	2.13	kW	Tj = ·
Tj = 2℃	Pdh	1.28	kW	Tj = 3
Tj = 7℃	Pdh	1.01	kW	Tj =
Tj = 12℃	Pdh	1.36	kW	Tj =
Tj = bivalent temperature	Pdh	2.74	kW	Tj =
Tj = operating limit	Pdh	1.64	kW	Tj =
For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	Pdh	-	kW	For a
Bivalent temperature	Tbiv	-15	°C	For a Ope
Cycling interval capacity for heating	Pcych	-	kW	Cycl
Degradation co-efficient (**)	Cdh	0.9		Heat
Power consumption in modes other than ac	tive mode			Supp
Off mode	Poff	0.014	kW	Rate
Standby mode	Psb	0.014	kW	Trate
Thermostat-off mode	Pto	0.024	kW	Туре
Crankcase heater mode	Pck	0.000	kW	

Symbol	Value	Unit					
ηs	102.1	%					
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj							
COPd	2.32	-					
COPd	2.99	-					
COPd	3.86	-					
COPd	6.28	-					
COPd	1.74	-					
COPd	1.02	-					
COPd	-	-					
TOL	-22	°C					
COPcyc	-	-					
WTOL	51	°C					
ated heat output (**) P _{sup} 1.72 kW							
	Electrical						
	η s ary energy rate erature Tj COPd COPcyc WTOL	η s102.1ary energy ratio for part load terature TjCOPd2.32COPd2.99COPd3.86COPd6.28COPd1.74COPd1.02COPd1.02COPd51WToL51					

Other items									
Capacity control	variable				For air-to-water heat pumps: Rated air flow rate, outdoors	-	2770	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-	dB		For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h	
Annual energy consumption	Q _{HE}	3159	kWh		heat exchanger				
For heat pump combination heater:									
Declared load profile		-			Water heating energy efficiency	η _{wh}	-	%	
Daily electricity consumption	Q _{clec}	-	- 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.

Technical parameters				
MHC-V4W/D2N8-B				
YES				
NO				
WARMER				

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item				
Rated heat output (*)	Prated	5.0	kW	Seasonal				
Declared capacity for heating for part load at indoor temperature 20 $^\circ\text{C}$ and outdoor temperature Tj								
Tj = -7℃	Pdh	-	kW	Tj = -7℃				
Tj = 2℃	Pdh	4.83	kW	Tj = 2℃				
Tj = 7℃	Pdh	3.22	kW	Tj = 7℃				
Tj = 12℃	Pdh	1.47	kW	Tj = 12℃				
Tj = bivalent temperature	Pdh	3.22	kW	Tj = bival				
Tj = operating limit	Pdh	4.83	kW	Tj = oper				
For air-to-water heat pumps: Tj = -15 $^\circ\!\!\!{}^\circ\!\!\!{}^\circ\!\!\!{}^\circ$	Pdh	-	kW	For air-to				
Bivalent temperature	Tbiv	7	°C	For air-to Operation				
Cycling interval capacity for heating	Pcych	-	kW	Cycling in				
Degradation co-efficient (**)	Cdh	0.9		Heating v				
Power consumption in modes other than ac	tive mode			Supplem				
Off mode	Poff	0.014	kW	Rated he				
Standby mode	Psb	0.014	kW	Naleu ne				
Thermostat-off mode	Pto	0.024	kW	Type of e				
Crankcase heater mode	Pck	0.000	kW	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				

Item	Symbol	Value	Unit					
Seasonal space heating energy efficiency	ηs	162.4	%					
	red coefficient of performance or primary energy ratio for part load at r temperature 20 °C and outdoor temperature Tj							
Tj = -7°℃	COPd	-	-					
Tj = 2 ℃	COPd	2.51	-					
Tj = 7℃	COPd	3.68	-					
Tj = 12℃	COPd	5.15	-					
Tj = bivalent temperature	COPd	3.68	-					
Tj = operating limit	COPd	2.51	-					
For air-to-water heat pumps: Tj = -15 $^\circ\!\mathrm{C}$	COPd	-	-					
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C					
Cycling interval efficiency	COPcyc	-	-					
Heating water operating limit temperature	WTOL	62	°C					
Supplementary heater								
Rated heat output (**)	neat output (**) Psup 0.18 kW							
Type of energy input		Electrical						

Other items								
Capacity control		variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2770	m³/h
Sound power level, indoors/outdoors	L _{WA}	-	dB		For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	1621	kWh		heat exchanger			
For heat pump combination heater:								
Declared load profile		-			Water heating energy efficiency	η _{wh}	-	%
Daily electricity consumption	Q _{clec}	- kWh			Daily fu5.1el consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	AEC - kWh			Annual fuel consumption	AFC	-	GJ
								<u> </u>
Contact details GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Fosban, Guangdong, P.B. China)								

(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.