

			Technic	al parameters					
Model(s):				MHC-V14W/D2M	J1				
Air-to-water heat pump:		YES							
Water-to-water heat pump:		NO							
Brine-to-water heat pump:		NO							
Low-temperature heat pump:		NO							
		YES							
Heat pump combination heater: Parameters shall be declared for shall be declared for low-temperal Parameters shall be declared for	ture application	erature applic on.		for low-temperature heat pumps. F ditions	or low-temperature	e heat pumps,	parameter		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	13	kW	Seasonal space heating energy efficiency	ηs	129	%		
Declared capacity for heating for	part load at	indoor temper	ature 20 °C	Declared coefficient of perform	ance or primary e	energy ratio for	part load		
and outdoor temperature Tj				indoor temperature 20 °C and outdoor temperature Tj					
Tj = -7℃	Pdh	12.0	kW	Tj = -7℃	COPd	2.05	-		
Tj = 2℃	Pdh	7.4	kW	Tj = 2℃	COPd	3.12	-		
Tj = 7℃	Pdh	4.7	kW	Tj = 7℃	COPd	4.68	-		
	Pdh	2.1	kW	Ti = 12℃	COPd	4.82	_		
$T_j = 12^{\circ}$	Pdh	12.0	kW	_,	COPd	2.06			
Tj = bivalent temperature	-			Tj = bivalent temperature			-		
Tj = operating limit	Pdh	11.0	kW	Tj = operating limit	COPd	1.75	-		
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15℃	COPd	-	-		
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C		
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc} or PERcyc	-	%		
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	49	°C		
Power consumption in modes oth	er than activ	e mode		Supplementary heater					
off mode	Poff	0.017	kW	Potod boot output (**)	Daun	2.6	kW		
standby mode	P _{sb}	0.017	kW	Rated heat output (**)	Psup	2.0	ĸvv		
thermostat-off mode	P _{to}	0.006	kW	Turno of energy insuit	Electrical Heating				
crankcase heater mode	P _{ck}	0.018	kW	Type of energy input Electrical Hea		lectrical Heating	ating		
Other items				For airte water best sums:					
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6150	m³/l		
Sound power level, indoors/ outdoors	L _{WA}	-/71	dB	For water- or brine-to-water heat pumps: Rated brine or			3		
Annual energy consumption	Q _{HE}	8550	kWh or GJ	water flow rate, outdoor heat exchanger	-	-	m³/ł		
For heat pump combination heate	er:								
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW		
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								

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.

				al parameters	14				
Model(s):		MHC-V14W/D2N1							
Air-to-water heat pump:		YES							
Water-to-water heat pump:		NO							
Brine-to-water heat pump: Low-temperature heat pump:		NO NO							
Equipped with a supplementary heater:		YES							
Heat pump combination heater:		NO							
Parameters shall be declared for shall be declared for low-temper Parameters shall be declared for	rature application	on.		for low-temperature heat pumps. F ditions	or low-temperati	ure heat pumps,	paramete		
tem	Symbol	Value	Unit	Item	Symbol	Value	Uni		
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηs	94	%		
Declared capacity for heating fo and outdoor temperature Tj	or part load at	indoor tempe	rature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load		
rj = -7℃	Pdh	7.8	kW	Tj = -7 ℃	COPd	2.14	-		
Γi = 2°C	Pdh	4.4	kW	Tj = 2℃	COPd	2.77	-		
<u>η = 2°</u> C	Pdh	2.9	kW	Tj = 7℃	COPd	4.16	_		
•	Pdh	1.3	kW		COPd	3.33			
$T_j = 12^{\circ}$				Tj = 12℃ Ti = birdent terresenture					
Tj = bivalent temperature	Pdh	8.6	kW	Tj = bivalent temperature	COPd	1.59	-		
Tj = operating limit	Pdh	7.1	kW	Tj = operating limit	COPd	1.29	-		
For air-to-water heat pumps: Tj = -15℃	Pdh	10.1	kW	For air-to-water heat pumps: Tj = -15 $^\circ\!\!\!\!^\circ$	COPd	1.82	-		
Bivalent temperature	T _{biv}	-11	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C		
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COP _{cyc} or PERcyc	-	%		
Degradation co-efficient (**)	C _{dh}	0.9	-	Heating water operating limit temperature	W _{TOL}	40	°C		
Power consumption in modes c	other than activ	e mode		Supplementary heater					
off mode	Poff	0.017	kW						
standby mode	P _{sb}	0.017	kW	Rated heat output (**)	Psup	4.4	kW		
thermostat-off mode	Pto	0.006	kW						
crankcase heater mode	P _{ck}	0.018	kW	Type of energy input	Electrical heating				
	· CK	0.010							
Other items				For ointervator kast aver					
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6150	m³/h		
Sound power level, indoors/ putdoors	L _{WA}	-/71	dB	For water- or brine-to-water heat pumps: Rated brine or			^		
Annual energy consumption	Q _{HE}	12304	kWh or GJ	water flow rate, outdoor heat exchanger	-	-	m³/ł		
For heat pump combination hea	ater:								
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW		
					1		GJ		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-			

(*) 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.

			Technica	al parameters					
Model(s):				MHC-V14W/D2N	J1				
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:		YES							
Heat pump combination heater: Parameters shall be declared for r	modium tomo	NO	ation avaant f	ar law tamparatura haat numna. E	or low tomporature	hoot numno	paramotor		
shall be declared for low-temperatu			alion, except i	oi iow-temperature neat pumps. F	or low-temperature	neal pumps,	parameters		
Parameters shall be declared for a			er climate cond	ditions					
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηs	160	%		
Declared capacity for heating for p	part load at	indoor temper	ature 20 °C	Declared coefficient of perform			part load		
and outdoor temperature Tj				indoor temperature 20 °C and		re lj			
Tj = -7℃	Pdh	-	kW	Tj = -7℃	COPd	-	-		
Tj = 2℃	Pdh	12.5	kW	Tj = 2℃	COPd	2.37	-		
Τj = 7℃	Pdh	7.7	kW	Tj = 7℃	COPd	3.37	-		
τj = 12°C	Pdh	3.6	kW	Tj = 12℃	COPd	5.35	-		
Tj = bivalent temperature	Pdh	7.7	kW	Tj = bivalent temperature	COPd	3.37	-		
Tj = operating limit	Pdh	12.5	kW	Tj = operating limit	COPd	2.37	-		
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Ti = -15° C	COPd	-	-		
Bivalent temperature	T _{biv}	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C		
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc} or PERcyc	-	%		
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C		
Power consumption in modes othe	er than active	e mode		Supplementary heater					
off mode	P _{off}	0.017	kW						
	P _{sb}	0.017	kW	Rated heat output (**)	Psup	0	kW		
standby mode	P _{to}	0.006	kW						
crankcase heater mode	P _{ck}	0.000	kW	Type of energy input	f energy input Electrical heating		g		
אמווגנספר ווכמנכו וווטעל	' CK	0.010	N V V						
Other items									
Capacity control		variable		For air-to-water heat pumps:		6150	m³/h		
				Rated air flow rate, outdoors	-				
Sound power level, indoors/ outdoors	L _{WA}	-/71	dB	For water- or brine-to-water heat pumps: Rated brine or					
			kWh	water flow rate, outdoor heat	-	-	m³/h		
Annual energy consumption	Q _{HE}	3928	or GJ	exchanger					
For heat pump combination heater					1				
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								

and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating $sup(T_j)$. (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.