ENERG · **Y** **IJA** · **IE** **IA**
енергия · ενεργεια

Midea MHC-V7W/D2N1

55℃   35℃

A⁺⁺   **A⁺⁺**

- A⁺⁺
- A⁺
- A
- B
- C
- D
- E
- F
- G

-- dB

65 dB

55℃	35℃
■ 7	■ 7
■ 7	■ 7
■ 7	■ 7
kW	kW

2015   811/2013

Technical parameters

Model(s):	MHC-V7W/D2N1
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

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.

Parameters shall be declared for average, colder and warmer climate conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	ηs	126	%
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	5.8	kW	Tj = -7℃	COPd	1.97	-
Tj = 2℃	Pdh	3.7	kW	Tj = 2℃	COPd	3.06	-
Tj = 7℃	Pdh	2.6	kW	Tj = 7℃	COPd	4.46	-
Tj = 12℃	Pdh	1.3	kW	Tj = 12℃	COPd	5.65	-
Tj = bivalent temperature	Pdh	5.8	kW	Tj = bivalent temperature	COPd	1.97	-
Tj = operating limit	Pdh	6.6	kW	Tj = operating limit	COPd	1.71	-
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 PER_{cyc}	-	%
Degradation co-efficient (**)	C_{dh}	0.9	--	Heating water operating limit temperature	W_{TOL}	49	°C
Power consumption in modes other than active mode				Supplementary heater			
off mode	P_{off}	0.016	kW	Rated heat output (**)	Psup	0	kW
standby mode	P_{sb}	0.016	kW				
thermostat-off mode	P_{to}	0.016	kW	Type of energy input		-	
crankcase heater mode	P_{ck}	0.034	kW				

Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	–	3050	m³/h
Sound power level, indoors/ outdoors	L_{WA}	-/65	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}	4228	kWh or GJ				

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.

Technical parameters

Model(s):	MHC-V7W/D2N1
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

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.

Parameters shall be declared for average, colder and warmer climate conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	ηs	106	%
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	4.4	kW	Tj = -7℃	COPd	2.26	-
Tj = 2℃	Pdh	2.5	kW	Tj = 2℃	COPd	3.43	-
Tj = 7℃	Pdh	1.6	kW	Tj = 7℃	COPd	4.39	-
Tj = 12℃	Pdh	1.0	kW	Tj = 12℃	COPd	5.39	-
Tj = bivalent temperature	Pdh	5.4	kW	Tj = bivalent temperature	COPd	1.77	-
Tj = operating limit	Pdh	4.2	kW	Tj = operating limit	COPd	1.34	-
For air-to-water heat pumps: Tj = -15℃	Pdh	5.0	kW	For air-to-water heat pumps: Tj = -15℃	COPd	1.66	-
Bivalent temperature	T_{biv}	-13	°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 other than active mode				Supplementary heater			
off mode	P_{off}	0.016	kW	Rated heat output (**)	Psup	2.5	kW
standby mode	P_{sb}	0.016	kW				
thermostat-off mode	P_{to}	0.016	kW	Type of energy input		-	
crankcase heater mode	P_{ck}	0.034	kW				

Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	–	3050	m³/h
Sound power level, indoors/outdoors	L_{WA}	-/65	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}	6436	kWh or GJ				

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.

Technical parameters

Model(s):	MHC-V7W/D2N1
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

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.

Parameters shall be declared for average, colder and warmer climate conditions

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	ηs	167	%
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	6.8	kW	Tj = 2℃	COPd	2.18	-
Tj = 7℃	Pdh	4.4	kW	Tj = 7℃	COPd	3.45	-
Tj = 12℃	Pdh	2.1	kW	Tj = 12℃	COPd	6.01	-
Tj = bivalent temperature	Pdh	4.4	kW	Tj = bivalent temperature	COPd	3.45	-
Tj = operating limit	Pdh	6.8	kW	Tj = operating limit	COPd	2.18	-
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	2	°C
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COP_{cyc} or PER_{cyc}	-	%
Degradation co-efficient (**)	C_{dh}	0.9	--	Heating water operating limit temperature	W_{TOL}	60	°C
Power consumption in modes other than active mode				Supplementary heater			
off mode	P_{off}	0.016	kW	Rated heat output (**)	Psup	0	kW
standby mode	P_{sb}	0.016	kW				
thermostat-off mode	P_{to}	0.016	kW	Type of energy input		-	
crankcase heater mode	P_{ck}	0.034	kW				
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	–	3050	m³/h
Sound power level, indoors/outdoors	L_{WA}	-/65	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}	2121	kWh or GJ				

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.