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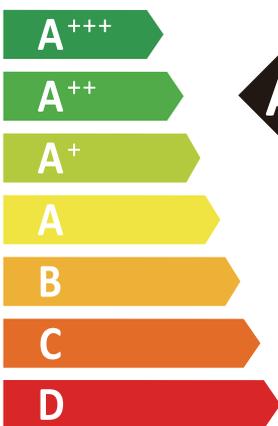
Midea

MHC-V35WD2RN7



55°C

35°C



A++

A+++

-- dB

75dB

■ 33.5	■ 34
■ 35	■ 35
■ 35	■ 35
kW	kW

2019

811/2013

Technical parameters

Model(s):	MHC-V35WD2RN7
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
Rated heat output (*)	Prated	35	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	30.8	kW
Tj = 2 °C	Pdh	19.4	kW
Tj = 7 °C	Pdh	12.0	kW
Tj = 12 °C	Pdh	5.0	kW
Tj = bivalent temperature	Pdh	6.5	kW
Tj = operating limit	Pdh	30.8	kW
For air-to-water heat pumps: Tj = -15 °C	Pdh	34.5	kW
Bivalent temperature	Tbiv	-7	°C
Cycling interval capacity for heating	P _{cyh}	-	kW
Degradation co-efficient (**)	Cdh	0.9	--
Power consumption in modes other than active mode			
Off mode	P _{off}	0.014	kW
Standby mode	P _{sb}	0.013	kW
Thermostat-off mode	P _{to}	0.014	kW
Crankcase heater mode	P _{ck}	0.000	kW

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L _{WA}	-75	dB
Annual energy consumption	Q _{HE}	19,899	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	142.4	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	COP _d	1.92	-
Tj = 2 °C	COP _d	3.51	-
Tj = 7 °C	COP _d	5.43	-
Tj = 12 °C	COP _d	7.18	-
Tj = bivalent temperature	COP _d	1.92	-
Tj = operating limit	COP _d	1.79	-
For air-to-water heat pumps: Tj = -15 °C	COP _d	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP _{cyh}	-	-
Heating water operating limit temperature	W _{TOL}	85	°C
Supplementary heater			
Rated heat output (**)	P _{sup}	0.47	kW
Type of energy input	Electrical		

For air-to-water heat pumps: Rated air flow rate, outdoors	-	10,500	m ³ /h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h

For heat pump combination heater:							
Declared load profile	-						
Daily electricity consumption	Q _{elec}	-	kWh	Water heating energy efficiency	η _{wh}	-	%
Annual electricity consumption	AEC	-	kWh	Daily fuel consumption	Q _{fuel}	-	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-V35WD2RN7
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
Rated heat output (*)	Prated	33.5	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	18.3	kW
Tj = 2 °C	Pdh	11.8	kW
Tj = 7 °C	Pdh	8.2	kW
Tj = 12 °C	Pdh	6.8	kW
Tj = bivalent temperature	Pdh	18.3	kW
Tj = operating limit	Pdh	24.3	kW
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C
Cycling interval capacity for heating	P _{cyh}	-	kW
Degradation co-efficient (**)	Cdh	0.9	--
Power consumption in modes other than active mode			
Off mode	P _{off}	0.014	kW
Standby mode	P _{sb}	0.013	kW
Thermostat-off mode	P _{to}	0.014	kW
Crankcase heater mode	P _{ck}	0.000	kW

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L _{WA}	-75	dB
Annual energy consumption	Q _{HE}	27,265	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	118.1	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	COP _d	2.33	-
Tj = 2 °C	COP _d	3.71	-
Tj = 7 °C	COP _d	5.49	-
Tj = 12 °C	COP _d	6.75	-
Tj = bivalent temperature	COP _d	2.33	-
Tj = operating limit	COP _d	1.60	-
For air-to-water heat pumps: Tj = -15 °C	COP _d	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Cycling interval efficiency	COP _{cyh}	-	-
Heating water operating limit temperature	W _{TOL}	85	°C
Supplementary heater			
Rated heat output (**)	P _{sup}	7.94	kW
Type of energy input	-		

For air-to-water heat pumps: Rated air flow rate, outdoors	-	10,500	m ³ /h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h

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

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

Technical parameters

Model(s):	MHC-V35WD2RN7
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:	WARMER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	35	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	-	kW
Tj = 2 °C	Pdh	33.1	kW
Tj = 7 °C	Pdh	22.4	kW
Tj = 12 °C	Pdh	10.2	kW
Tj = bivalent temperature	Pdh	22.4	kW
Tj = operating limit	Pdh	33.1	kW
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW
Bivalent temperature	Tbiv	7	°C
Cycling interval capacity for heating	P _{cyh}	-	kW
Degradation co-efficient (**)	Cdh	0.9	--
Power consumption in modes other than active mode			
Off mode	P _{off}	0.014	kW
Standby mode	P _{sb}	0.013	kW
Thermostat-off mode	P _{to}	0.014	kW
Crankcase heater mode	P _{ck}	0.000	kW

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L _{WA}	-75	dB
Annual energy consumption	Q _{HE}	9,838	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	187.1	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	COP _d	-	-
Tj = 2 °C	COP _d	2.31	-
Tj = 7 °C	COP _d	3.98	-
Tj = 12 °C	COP _d	6.62	-
Tj = bivalent temperature	COP _d	3.98	-
Tj = operating limit	COP _d	2.31	-
For air-to-water heat pumps: Tj = -15 °C	COP _d	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP _{cyh}	-	-
Heating water operating limit temperature	W _{TOL}	85	°C
Supplementary heater			
Rated heat output (**)	P _{sup}	1.94	kW
Type of energy input	-		

For air-to-water heat pumps: Rated air flow rate, outdoors	-	10,500	m ³ /h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h

For heat pump combination heater:							
Declared load profile	-						
Daily electricity consumption	Q _{elec}	-	kWh	Water heating energy efficiency	η _{wh}	-	%
Annual electricity consumption	AEC	-	kWh	Daily fuel consumption	Q _{fuel}	-	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.

Condition(°C)	Model(s):	Capacity /W	Power input /W	COP
Ambient Temperature: 7/6 Water temperature: 30/35	MHC-V26WD2RN7	26,000	5,450	4.77
	MHC-V30WD2RN7	30,000	6,670	4.50
	MHC-V35WD2RN7	35,000	8,400	4.17
Ambient Temperature: 7/6 Water temperature: 40/45	MHC-V26WD2RN7	26,000	6,820	3.81
	MHC-V30WD2RN7	30,000	8,260	3.63
	MHC-V35WD2RN7	35,000	10,050	3.48
Ambient Temperature: 7/6 Water temperature: 47/55	MHC-V26WD2RN7	26,000	7,850	3.31
	MHC-V30WD2RN7	30,000	9,570	3.13
	MHC-V35WD2RN7	35,000	11,750	2.98
Ambient Temperature: 7/6 Water temperature: 55/65	MHC-V26WD2RN7	26,000	9,860	3.64
	MHC-V30WD2RN7	30,000	11,850	2.53
	MHC-V35WD2RN7	35,000	14,600	2.40
Ambient Temperature: 2/1 Water temperature: 30/35	MHC-V26WD2RN7	23,500	6,350	3.70
	MHC-V30WD2RN7	26,800	7,620	3.52
	MHC-V35WD2RN7	30,400	9,520	3.19
Ambient Temperature: 2/1 Water temperature: 40/45	MHC-V26WD2RN7	22,600	7,180	3.15
	MHC-V30WD2RN7	26,100	8,380	3.11
	MHC-V35WD2RN7	30,000	11,200	2.68
Ambient Temperature: 2/1 Water temperature: 47/55	MHC-V26WD2RN7	21,950	8,100	2.71
	MHC-V30WD2RN7	25,350	9,650	2.63
	MHC-V35WD2RN7	29,600	12,060	2.45
Ambient Temperature: -7/-8 Water temperature: 30/35	MHC-V26WD2RN7	21,000	6,930	3.03
	MHC-V30WD2RN7	24,000	8,380	2.86
	MHC-V35WD2RN7	28,200	11,100	2.54
Ambient Temperature: -7/-8 Water temperature: 40/45	MHC-V26WD2RN7	20,100	7,530	2.67
	MHC-V30WD2RN7	23,100	9,590	2.41
	MHC-V35WD2RN7	26,900	12,000	2.24
Ambient Temperature: -7/-8 Water temperature: 47/55	MHC-V26WD2RN7	18,800	8,170	2.30
	MHC-V30WD2RN7	21,300	9,600	2.22
	MHC-V35WD2RN7	24,800	11,900	2.08
Ambient Temperature: 35/24 Water temperature: 23/18	MHC-V26WD2RN7	26,000	5,600	4.64
	MHC-V30WD2RN7	30,000	6,800	4.41
	MHC-V35WD2RN7	35,000	8,500	4.12
Ambient Temperature: 35/24 Water temperature: 12/7	MHC-V26WD2RN7	26,000	8,400	3.10
	MHC-V30WD2RN7	30,000	10,700	2.80
	MHC-V35WD2RN7	32,000	11,980	2.67