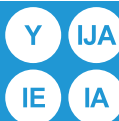




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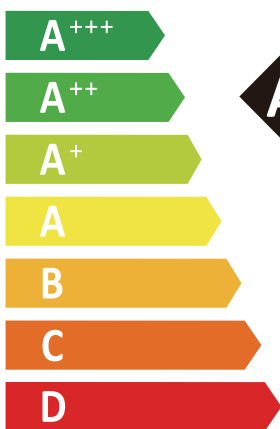


MHC-V35WD2RN7



55°C

35°C



A⁺⁺

A⁺⁺⁺



-- dB



75dB

33.5

35

35

kW

34

35

35

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	Item		Symbol	Value	Unit
Rated heat output (*)		Prated	35	kW	Seasonal space heating energy efficiency		ηs	142.4	%
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 °C		Pdh	30.8	kW	Tj = -7 °C		COPd	1.92	-
Tj = 2 °C		Pdh	19.4	kW	Tj = 2 °C		COPd	3.51	-
Tj = 7 °C		Pdh	12.0	kW	Tj = 7 °C		COPd	5.43	-
Tj = 12 °C		Pdh	5.0	kW	Tj = 12 °C		COPd	7.18	-
Tj = bivalent temperature		Pdh	6.5	kW	Tj = bivalent temperature		COPd	1.92	-
Tj = operating limit		Pdh	30.8	kW	Tj = operating limit		COPd	1.79	-
For air-to-water heat pumps: Tj = -15 °C		Pdh	34.5	kW	For air-to-water heat pumps: Tj = -15 °C		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	85	°C
Power consumption in modes other than active mode					Supplementary heater				
Off mode		Poff	0.014	kW	Rated heat output (**)		Psup	0.47	kW
Standby mode		Psb	0.013	kW	Type of energy input		Electrical		
Thermostat-off mode		Pto	0.014	kW					
Crankcase heater mode		Pck	0.000	kW					
Other items									
Capacity control		variable			For air-to-water heat pumps: Rated air flow rate, outdoors		-	10,500	m³/h
Sound power level, indoors/outdoors		LWA	-75	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	-	m³/h
Annual energy consumption		QHE	19,899	kWh					
For heat pump combination heater:									
Declared load profile		-			Water heating energy efficiency		ηwh	-	%
Daily electricity consumption		Qelec	-	kWh	Daily fuel consumption		Qfuel	-	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-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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	33.5	kW	Seasonal space heating energy efficiency	ηs	118.1	%
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 °C	Pdh	18.3	kW	Tj = -7 °C	COPd	2.33	-
Tj = 2 °C	Pdh	11.8	kW	Tj = 2 °C	COPd	3.71	-
Tj = 7 °C	Pdh	8.2	kW	Tj = 7 °C	COPd	5.49	-
Tj = 12 °C	Pdh	6.8	kW	Tj = 12 °C	COPd	6.75	-
Tj = bivalent temperature	Pdh	18.3	kW	Tj = bivalent temperature	COPd	2.33	-
Tj = operating limit	Pdh	24.3	kW	Tj = operating limit	COPd	1.60	-
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9	--	Heating water operating limit temperature	WTOL	85	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0.014	kW	Rated heat output (**)	Psup	7.94	kW
Standby mode	Psb	0.013	kW	Type of energy input	-		
Thermostat-off mode	Pto	0.014	kW				
Crankcase heater mode	Pck	0.000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10,500	m³/h
Sound power level, indoors/outdoors	LWA	-75	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	27,265	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	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-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	Pcych	-	kW	
Degradation co-efficient (**)	Cdh	0.9	--	
Power consumption in modes other than active mode				
Off mode	Poff	0.014	kW	
Standby mode	Psb	0.013	kW	
Thermostat-off mode	Pto	0.014	kW	
Crankcase heater mode	Pck	0.000	kW	
Other items				
Capacity control	variable			
Sound power level, indoors/outdoors	LWA	-75	dB	
Annual energy consumption	QHE	9,838	kWh	
For heat pump combination heater:				
Declared load profile	-			
Daily electricity consumption	Qelec	-	kWh	
Annual electricity consumption	AEC	-	kWh	
Water heating energy efficiency				
		ηlwh	-	%
Daily fuel consumption				
		Qfuel	-	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.				

Item	Symbol	Value	Unit	
Seasonal space heating energy efficiency	ηs	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	COPd	-	-	
Tj = 2 °C	COPd	2.31	-	
Tj = 7 °C	COPd	3.98	-	
Tj = 12 °C	COPd	6.62	-	
Tj = bivalent temperature	COPd	3.98	-	
Tj = operating limit	COPd	2.31	-	
For air-to-water heat pumps: Tj = -15 °C	COPd	-	-	
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C	
Cycling interval efficiency	COPcyc	-	-	
Heating water operating limit temperature	WTOL	85	°C	
Supplementary heater				
Rated heat output (**)	Psup	1.94	kW	
Type of energy input	-			
For air-to-water heat pumps: Rated air flow rate, outdoors				
		-	10,500	m³/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				
		-	-	m³/h

Condition(℃)	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