

Technical parameters									
Model(s):		MHC-V26WD2RN7							
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	26	kW	Seasonal space heating energy efficiency		ηs	150.7	%
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	23.3	kW	Tj = -7 °C		COPd	2.33	-
Tj = 2 °C		Pdh	13.9	kW	Tj = 2 °C		COPd	3.68	-
Tj = 7 °C		Pdh	9.5	kW	Tj = 7 °C		COPd	5.51	-
Tj = 12 °C		Pdh	6.6	kW	Tj = 12 °C		COPd	6.25	-
Tj = bivalent temperature		Pdh	23.3	kW	Tj = bivalent temperature		COPd	2.33	-
Tj = operating limit		Pdh	26.1	kW	Tj = operating limit		COPd	1.98	-
For air-to-water heat pumps: Tj = -15 °C		Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C		COPd	-	-
Bivalent temperature		Tbiv	0.7	°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	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	-/69	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	-	m³/h
Annual energy consumption		QHE	13,981	kWh					
For heat pump combination heater:									
Declared load profile		-			Water heating energy efficiency		ηlwh	-	%
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									
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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	25	kW	Seasonal space heating energy efficiency		ηs	126.2	%
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	15.1	kW	Tj = -7 °C		COPd	2.64	-
Tj = 2 °C		Pdh	9.3	kW	Tj = 2 °C		COPd	3.83	-
Tj = 7 °C		Pdh	6.3	kW	Tj = 7 °C		COPd	5.14	-
Tj = 12 °C		Pdh	6.6	kW	Tj = 12 °C		COPd	6.95	-
Tj = bivalent temperature		Pdh	20.5	kW	Tj = bivalent temperature		COPd	2.09	-
Tj = operating limit		Pdh	17.6	kW	Tj = operating limit		COPd	1.71	-
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	7.93	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	-/69	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	-	m³/h
Annual energy consumption		QHE	19,078	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-V26WD2RN7								
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	Item			Symbol	Value	Unit
Rated heat output (*)		Prated	26	kW	Seasonal space heating energy efficiency			ηs	194.8	%
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	26.5	kW	Tj = -7 °C		COPd	-	-	
Tj = 2 °C		Pdh	16.7	kW	Tj = 2 °C		COPd	2.53	-	
Tj = 7 °C		Pdh	7.8	kW	Tj = 7 °C		COPd	4.11	-	
Tj = 12 °C		Pdh	16.7	kW	Tj = 12 °C		COPd	6.65	-	
Tj = bivalent temperature		Pdh	16.7	kW	Tj = bivalent temperature		COPd	4.11	-	
Tj = operating limit		Pdh	26.5	kW	Tj = operating limit		COPd	2.53	-	
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	2	°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	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	-/69	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	-	m³/h	
Annual energy consumption		QHE	7,025	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.										

# Information requirements for comfort chillers

Model(s):				MHC-V26WD2RN7				
Outdoor side heat exchanger of chiller:				Air to water				
Indoor side heat exchanger chiller:				Water				
Type:				Compressor driven vapour compression				
Driver of compressor:				Electric motor				
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	26	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	205.3	%
Declared cooling capacity for part load at given outdoor temperature T <sub>j</sub>					Declared energy efficiency ratio for part load at given outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =+35°C	P <sub>dc</sub>	26.0	kW		T <sub>j</sub> =+35°C	EER <sub>d</sub>	3.10	-
T <sub>j</sub> =+30°C	P <sub>dc</sub>	19.5	kW		T <sub>j</sub> =+30°C	EER <sub>d</sub>	4.19	-
T <sub>j</sub> =+25°C	P <sub>dc</sub>	12.2	kW		T <sub>j</sub> =+25°C	EER <sub>d</sub>	5.85	-
T <sub>j</sub> =+20°C	P <sub>dc</sub>	5.7	kW		T <sub>j</sub> =+20°C	EER <sub>d</sub>	7.92	-
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-					
Power consumption in modes other than "active mode"								
Off mode	P <sub>OFF</sub>	0.014	kW		Crankcase heater mode	P <sub>CK</sub>	0.000	kW
Thermosat-off mode	P <sub>TO</sub>	0.017	kW		Standby mode	P <sub>SB</sub>	0.014	kW
Other items								
Capacity control	variable				For air-to-water comfort chillers: air flow rate, outdoor measured	-	10500	m³/h
Sound power level, indoors / outdoors	L <sub>WA</sub>	-/69	dB		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m³/h
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV					
GWP of the refrigerant	-	3	kg CO <sub>2</sub> eq (100years)					
Standard rating conditions used		Low temperature application						
Contact details		GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						
(*) If C <sub>dc</sub> is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.								

# Information requirements for comfort chillers

Model(s):				MHC-V26WD2RN7				
Outdoor side heat exchanger of chiller:				Air to water				
Indoor side heat exchanger chiller:				Water				
Type:				Compressor driven vapour compression				
Driver of compressor:				Electric motor				
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	26	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	283.7	%
Declared cooling capacity for part load at given outdoor temperature T <sub>j</sub>					Declared energy efficiency ratio for part load at given outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =+35°C	P <sub>dc</sub>	26.0	kW		T <sub>j</sub> =+35°C	EER <sub>d</sub>	4.65	-
T <sub>j</sub> =+30°C	P <sub>dc</sub>	19.5	kW		T <sub>j</sub> =+30°C	EER <sub>d</sub>	6.09	-
T <sub>j</sub> =+25°C	P <sub>dc</sub>	12.4	kW		T <sub>j</sub> =+25°C	EER <sub>d</sub>	8.02	-
T <sub>j</sub> =+20°C	P <sub>dc</sub>	6.4	kW		T <sub>j</sub> =+20°C	EER <sub>d</sub>	10.52	-
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-					
Power consumption in modes other than "active mode"								
Off mode	P <sub>OFF</sub>	0.014	kW		Crankcase heater mode	P <sub>CK</sub>	0.000	kW
Thermosat-off mode	P <sub>TO</sub>	0.017	kW		Standby mode	P <sub>SB</sub>	0.014	kW
Other items								
Capacity control	variable				For air-to-water comfort chillers: air flow rate, outdoor measured	-	10500	m³/h
Sound power level, indoors / outdoors	L <sub>WA</sub>	-/69	dB		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m³/h
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV					
GWP of the refrigerant	-	3	kg CO <sub>2</sub> eq (100years)					
Standard rating conditions used		Medium temperature application						
Contact details		GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						
(*) If C <sub>dc</sub> is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.								