

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
Rated heat output (*)	Prated	26	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	23.3	kW
Tj = 2 °C	Pdh	13.9	kW
Tj = 7 °C	Pdh	9.5	kW
Tj = 12 °C	Pdh	6.6	kW
Tj = bivalent temperature	Pdh	23.3	kW
Tj = operating limit	Pdh	26.1	kW
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW
Bivalent temperature	Tbiv	0.7	°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}	-/69	dB
Annual energy consumption	Q _{HE}	13,981	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	150.7	%
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	3.68	-
Tj = 7 °C	COP _d	5.51	-
Tj = 12 °C	COP _d	6.25	-
Tj = bivalent temperature	COP _d	2.33	-
Tj = operating limit	COP _d	1.98	-
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	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
Annual electricity consumption	AEC	-	kWh
Water heating energy efficiency	η _{wh}	-	%
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-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:	COLDER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	25	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	15.1	kW
Tj = 2 °C	Pdh	9.3	kW
Tj = 7 °C	Pdh	6.3	kW
Tj = 12 °C	Pdh	6.6	kW
Tj = bivalent temperature	Pdh	20.5	kW
Tj = operating limit	Pdh	17.6	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}	-/69	dB
Annual energy consumption	Q _{HE}	19,078	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	126.2	%
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	2.64	-
Tj = 2 °C	COP _d	3.83	-
Tj = 7 °C	COP _d	5.14	-
Tj = 12 °C	COP _d	6.95	-
Tj = bivalent temperature	COP _d	2.09	-
Tj = operating limit	COP _d	1.71	-
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}	7.93	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

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
Rated heat output (*)	Prated	26	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	26.5	kW
Tj = 2 °C	Pdh	16.7	kW
Tj = 7 °C	Pdh	7.8	kW
Tj = 12 °C	Pdh	16.7	kW
Tj = bivalent temperature	Pdh	16.7	kW
Tj = operating limit	Pdh	26.5	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}	-/69	dB
Annual energy consumption	Q _{HE}	7,025	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	194.8	%
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	2.53	-
Tj = 7 °C	COP _d	4.11	-
Tj = 12 °C	COP _d	6.65	-
Tj = bivalent temperature	COP _d	4.11	-
Tj = operating limit	COP _d	2.53	-
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}	0	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

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	$P_{rated,c}$	26	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	205.3	%
Declared cooling capacity for part load at given outdoor temperature T_j				Declared energy efficiency ratio for part load at given outdoor temperature T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	26.0	kW	$T_j=+35^\circ\text{C}$	EER_d	3.10	-
$T_j=+30^\circ\text{C}$	P_{dc}	19.5	kW	$T_j=+30^\circ\text{C}$	EER_d	4.19	-
$T_j=+25^\circ\text{C}$	P_{dc}	12.2	kW	$T_j=+25^\circ\text{C}$	EER_d	5.85	-
$T_j=+20^\circ\text{C}$	P_{dc}	5.7	kW	$T_j=+20^\circ\text{C}$	EER_d	7.92	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.014	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.017	kW	Standby mode	P_{SB}	0.014	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	10500	m ³ /h
Sound power level, indoors / outdoors	LWA	-/69	dB				
Emissions of nitrogen oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m ³ /h
GWP of the refrigerant	-	3	kg CO ₂ 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_{dc} 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	$P_{rated,c}$	26	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	283.7	%
Declared cooling capacity for part load at given outdoor temperature T_j				Declared energy efficiency ratio for part load at given outdoor temperature T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	26.0	kW	$T_j=+35^\circ\text{C}$	EER_d	4.65	-
$T_j=+30^\circ\text{C}$	P_{dc}	19.5	kW	$T_j=+30^\circ\text{C}$	EER_d	6.09	-
$T_j=+25^\circ\text{C}$	P_{dc}	12.4	kW	$T_j=+25^\circ\text{C}$	EER_d	8.02	-
$T_j=+20^\circ\text{C}$	P_{dc}	6.4	kW	$T_j=+20^\circ\text{C}$	EER_d	10.52	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.014	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.017	kW	Standby mode	P_{SB}	0.014	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	10500	m ³ /h
Sound power level, indoors / outdoors	LWA	-/69	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m ³ /h
GWP of the refrigerant	-	3	kg CO ₂ 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_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.							