

Product fiche concerning the
COMMISSION DELEGATED REGULATIONS

(EU)No 811/2021 of 18 February 2013

(EU)No 811/2021 of 02 August 2013

Models: Outdoor Unit: CWP-M 17 M1 Indoor Unit:None

Air-to-water heat pump Yes

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 applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output	Prated	14.722	kW
Seasonal space heating energy efficiency	η_s	143.2	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3.65	kWh/kWh
Annual Energy consumption	QHE	8323	kWh
Sound power level indoors/outdoors	LWA	64	dB(A)

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	13.023	kW	Tj = -7°C	COPd	2.29	
Tj = +2°C	Pdh	7.933	kW	Tj = +2°C	COPd	3.60	
Tj = +7°C	Pdh	5.842	kW	Tj = +7°C	COPd	4.78	
Tj = +12°C	Pdh	7.138	kW	Tj = +12°C	COPd	6.70	
Tj = bivalent temperature	Pdh	13.023	kW	Tj = bivalent temperature	COPd	2.29	
Tj = operation limit temperature	Pdh	14.566	kW	Tj = operation limit temperature	COPd	1.93	
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	75	°C
Power consumption in modes other than active mode				Supplementary Heater			
Off Mode	P _{OFF}	0.010	kW	Rate heat output	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0.011	kW				
Standby mode	P _{SB}	0.010	kW	Type of energy input	-		
Crankcase heater mode	P _{CK}	0.048	kW				

Other items					
Capacity control	Variable		Rated airflow rate, outdoors		- m ³ /h
Outlet temperature capacity control	Variable				
Water flow rate capacity control	Fixed				

Models: Outdoor Unit: CWP-M 17 M1 Indoor Unit:None

Air-to-water heat pump Yes

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 Low-temperature applications

Parameters shall be declared for Average Climate Conditions

Item	Symbol	Value	Unit
Rated Heat Output	Prated	14.550	kW
Seasonal space heating energy efficiency	η_s	193.0	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.90	kWh/kWh
Annual Energy consumption	QHE	6136	kWh
Sound power level indoors/outdoors	LWA	63	dB(A)

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	12.871	kW	Tj = -7°C	COPd	2.99	
Tj = +2°C	Pdh	7.854	kW	Tj = +2°C	COPd	4.81	
Tj = +7°C	Pdh	6.668	kW	Tj = +7°C	COPd	6.80	
Tj = +12°C	Pdh	7.572	kW	Tj = +12°C	COPd	8.58	
Tj = bivalent temperature	Pdh	12.871	kW	Tj = bivalent temperature	COPd	2.99	
Tj = operation limit temperature	Pdh	14.419	kW	Tj = operation limit temperature	COPd	2.75	
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Heating water operating limit temperature	WTOL	75	°C

Power consumption in modes other than active mode

Supplementary Heater

Off Mode	P _{OFF}	0.010	kW	Rate heat output	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0.011	kW				
Standby mode	P _{SB}	0.010	kW	Type of energy input	-		
Crankcase heater mode	P _{CK}	0.048	kW				

Other items						
Capacity control	Variable		Rated airflow rate, outdoors		-	m ³ /h
Outlet temperature capacity control	Variable					
Water flow rate capacity control	Fixed					

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