

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 A1 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	14.851	kW
Seasonal space heating energy efficiency	η_s	141.4	%
Energy Classes		A++	
Seasonal Coefficient of Performance	SCOP	3.61	kWh/kWh
Annual Energy consumption	QHE	8502	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	13.138	kW	Tj = -7°C	COPd	2.31	
Tj = +2°C	Pdh	8.107	kW	Tj = +2°C	COPd	3.53	
Tj = +7°C	Pdh	5.245	kW	Tj = +7°C	COPd	4.57	
Tj = +12°C	Pdh	5.600	kW	Tj = +12°C	COPd	6.58	
Tj = bivalent temperature	Pdh	13.138	kW	Tj = bivalent temperature	COPd	2.31	
Tj = operation limit temperature	Pdh	14.793	kW	Tj = operation limit temperature	COPd	1.94	
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}	0.013	kW	Rate heat output	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.013	kW	Type of energy input	-		
Crankcase heater mode	P _{CK}	0.080	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 A1 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	14.707	kW
Seasonal space heating energy efficiency	η_s	191.6	%
Energy Classes		A+++	
Seasonal Coefficient of Performance	SCOP	4.87	kWh/kWh
Annual Energy consumption	QHE	6244	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 T_j

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T_j

T _j = -7°C	P _{dh}	13.010	kW	T _j = -7°C	COP _d	3.13	
T _j = +2°C	P _{dh}	7.972	kW	T _j = +2°C	COP _d	4.83	
T _j = +7°C	P _{dh}	5.170	kW	T _j = +7°C	COP _d	6.12	
T _j = +12°C	P _{dh}	5.813	kW	T _j = +12°C	COP _d	8.32	
T _j = bivalent temperature	P _{dh}	13.010	kW	T _j = bivalent temperature	COP _d	3.13	
T _j = operation limit temperature	P _{dh}	14.388	kW	T _j = operation limit temperature	COP _d	2.63	
Bivalent temperature	T _{biv}	-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}	0.013	kW	Rate heat output	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.013	kW	Type of energy input	-		
Crankcase heater mode	P _{CK}	0.080	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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