

### TECHNICAL PARAMETERS DATASHEET

Model(s):	CH-HP22UIMPZM
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	12,608	kW	Seasonal space heating energy efficiency	$\eta_{sh}$	201.8	%
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	Pah	11,153	kW	Tj = -7 °C	COPa	3,27	88
Tj = 2 °C	Pah	6,889	kW	Tj = 2 °C	COPa	4,94	54
Tj = 7 °C	Pah	7,434	kW	Tj = 7 °C	COPa	6,63	35
Tj = 12 °C	Pah	8,262	kW	Tj = 12 °C	COPa	8,71	15
Tj = bivalent temperature	Pah	11,153	kW	Tj = bivalent temperature	COPa	3,27	88
Tj = operating limit	Pah	12,837	kW	Tj = operating limit	COPa	2,92	100
For air-to-water heat pumps: Tj = -15C	Pah	-	kW	For air-to-water heat pumps: Tj = -15C	COPa	-	-
Bivalent temperature	Tbiv	-7	°C	For air to water heat pumps: Operation limit temperature	ToL	-10	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0,98	-	Heating water operating limit T	WROL	-	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,011	kW	Rated heat output (**)	Psup	-	kW
Standby mode	Psb	0,011	kW	Type of energy input		-	
Thermostat - off mode	Pto	0,011	kW				
Crankcase heater mode	Pck	0,017	kW				

Other items							
Capacity control	variable			For air to water heat pumps: Rated air flow rate, outdoors	-	-	m <sup>3</sup> /h
Sound power level, indoors/outdoors	LWA	62	dB	For water or brine to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /h
Annual energy consumption	QHE	5086	kWh				

For heat pump combination heater							
Declared load profile				Water heating energy efficiency			%
Dayly electricity consumption	Qdec	-	kWh	Daily fuel consumption	Qfuel		kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC		GJ

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(\*) For heat pump space heaters and head pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and rated heat output of supplementary heater Psup is equal to the supplementary caoacity for heating sup(Tj).

(\*\*) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.