TECHNICAL PARAMETERS DATASHEET

Model(s):	CH-HP09UIMPZK
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	4,955	kW	Seasonal space heating energy efficiency	η$_{sh}$	204,9	%
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	4,384	kW	Tj = -7 °C	COPd	3,26	88
Tj = 2 °C	Pdh	2,9	kW	Tj = 2 °C	COPd	4,98	54
Tj = 7 °C	Pdh	2,097	kW	Tj = 7 °C	COPd	6,81	35
Tj = 12 °C	Pdh	2,501	kW	Tj = 12 °C	COPd	9,66	15
Tj = bivalent temperature	Pdh	4,384	kW	Tj = bivalent temperature	COPd	3,26	88
Tj = operating limit	Pdh	5,094	kW	Tj = operating limit	COPd	2,87	100
For air-to-water heat pumps: Tj = -15C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15C	COPd	-	-
Bivalent temperature	Tbiv	-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	0,97	-	Heating water operating limit T	WTOL	-	°C
Power consumption in modes other than active mode				Suplementary heater			
Off mode	Poff	0,01	kW	Rated heat output (**)	Psup	-	kW
Standby mode	Psb	0,01	kW				
Thermostat - off mode	Pto	0,01	kW	Type of energy input		-	
Crankcase heater mode	Pck	0,042	kW				
Other items							
Capacity control		variable		For air to water heat pumps: Rated air flow rate, outdoors	-	-	m³/h
Sound power level, indoors/outdoors	LWA	57	dB	For water or brine to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	1970	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.