

Technical parameters												
Model(s):	KHC-08RY3-B											
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	Item	Symbol	Value						
Rated heat output (*)	P _{rated}	5.8	kW	Seasonal space heating energy efficiency	η_s	112.0						
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}	3.86	kW	T _j = -7°C	COP _d	2.48						
T _j = 2°C	P _{dh}	2.21	kW	T _j = 2°C	COP _d	3.35						
T _j = 7°C	P _{dh}	1.44	kW	T _j = 7°C	COP _d	4.11						
T _j = 12°C	P _{dh}	1.46	kW	T _j = 12°C	COP _d	5.92						
T _j = bivalent temperature	P _{dh}	4.71	kW	T _j = bivalent temperature	COP _d	1.90						
T _j = operating limit	P _{dh}	2.80	kW	T _j = operating limit	COP _d	1.22						
For air-to-water heat pumps: T _j = -15°C	P _{dh}	-	kW	For air-to-water heat pumps: T _j = -15°C	COP _d	-						
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	T _{OL}	-22						
Cycling interval capacity for heating	P _{cyc}	-	kW	Cycling interval efficiency	COP _{cyc}	-						
Degradation co-efficient (**)	C _{dh}	0.9	--	Heating water operating limit temperature	WT _{OL}	51						
Power consumption in modes other than active mode												
Off mode	P _{off}	0.014	kW	Supplementary heater								
Standby mode	P _{sb}	0.014	kW	Rated heat output (**)	P _{sup}	2.97						
Thermostat-off mode	P _{to}	0.024	kW	Type of energy input	Electrical							
Crankcase heater mode	P _{ck}	0.000	kW									
Other items												
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4030						
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-						
Annual energy consumption	Q _{HE}	4950	kWh			m ³ /h						
For heat pump combination heater:												
Declared load profile	-			Water heating energy efficiency	η_{wh}	-						
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-						
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-						
Contact details	KLIMA-THERM Sp. z o. o. ul. Ostrobramska 101A, 04-041 Warszawa, Polska											
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output P _{rated} is equal to the design load for heating P _{designh} , and the rated heat output of a supplementary heater P _{sup} is equal to the supplementary capacity for heating sup(T _j).												
(**) If C _{dh} is not determined by measurement then the default degradation coefficient is C _{dh} = 0,9.												