

Technical parameters												
Model(s):	KHC-06RY1-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:	WARMER											
Parameters are declared for medium-temperature application.												
Item	Symbol	Value	Unit	Item	Symbol	Value						
Rated heat output (*)	P <sub>rated</sub>	5.1	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	164.7						
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>								
T <sub>j</sub> = -7°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = -7°C	COP <sub>d</sub>	-						
T <sub>j</sub> = 2°C	P <sub>dh</sub>	5.02	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	2.48						
T <sub>j</sub> = 7°C	P <sub>dh</sub>	3.31	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	3.67						
T <sub>j</sub> = 12°C	P <sub>dh</sub>	1.60	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	5.29						
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3.31	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	3.67						
T <sub>j</sub> = operating limit	P <sub>dh</sub>	5.02	kW	T <sub>j</sub> = operating limit	COP <sub>d</sub>	2.48						
For air-to-water heat pumps: T <sub>j</sub> = -15°C	P <sub>dh</sub>	-	kW	For air-to-water heat pumps: T <sub>j</sub> = -15°C	COP <sub>d</sub>	-						
Bivalent temperature	T <sub>biv</sub>	7	°C	For air-to-water heat pumps: Operation limit temperature	T <sub>OL</sub>	2						
Cycling interval capacity for heating	P <sub>cych</sub>	-	kW	Cycling interval efficiency	COP <sub>cyc</sub>	-						
Degradation co-efficient (**)	C <sub>dh</sub>	0.9	--	Heating water operating limit temperature	W <sub>TOL</sub>	62						
Power consumption in modes other than active mode				Supplementary heater								
Off mode	P <sub>off</sub>	0.014	kW	Rated heat output (**)	P <sub>sup</sub>	0						
Standby mode	P <sub>sb</sub>	0.014	kW	Type of energy input	Electrical							
Thermostat-off mode	P <sub>to</sub>	0.024	kW									
Crankcase heater mode	P <sub>ck</sub>	0.000	kW									
Other items												
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2770						
Sound power level, indoors/outdoors	L <sub>WA</sub>	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-						
Annual energy consumption	Q <sub>HE</sub>	1640	kWh			m <sup>3</sup> /h						
For heat pump combination heater:												
Declared load profile	-			Water heating energy efficiency	η <sub>wh</sub>	-						
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-						
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 <sub>rated</sub> is equal to the design load for heating P <sub>designh</sub> , and the rated heat output of a supplementary heater P <sub>sup</sub> is equal to the supplementary capacity for heating sup(T <sub>j</sub> ).												
(**) If C <sub>dh</sub> is not determined by measurement then the default degradation coefficient is C <sub>dh</sub> = 0.9.												