

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	Unit	
Rated heat output (*)				Prated	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 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	3.86	kW	Tj = -7°C				COPd	2.48	-	
Tj = 2°C				Pdh	2.21	kW	Tj = 2°C				COPd	3.35	-	
Tj = 7°C				Pdh	1.44	kW	Tj = 7°C				COPd	4.11	-	
Tj = 12°C				Pdh	1.46	kW	Tj = 12°C				COPd	5.92	-	
Tj = bivalent temperature				Pdh	4.71	kW	Tj = bivalent temperature				COPd	1.90	-	
Tj = operating limit				Pdh	2.80	kW	Tj = operating limit				COPd	1.22	-	
For air-to-water heat pumps: Tj = -15°C				Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C				COPd	-	-	
Bivalent temperature				Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature				TOL	-22	°C	
Cycling interval capacity for heating				Pcyc	-	kW	Cycling interval efficiency				COPcyc	-	-	
Degradation co-efficient (**)				Cdh	0.9	--	Heating water operating limit temperature				WTOL	51	°C	
Power consumption in modes other than active mode						Supplementary heater								
Off mode				Poff	0.014	kW	Rated heat output (**)				Psup	2.97	kW	
Standby mode				Psb	0.014	kW	Type of energy input				Electrical			
Thermostat-off mode				Pto	0.024	kW								
Crankcase heater mode				Pck	0.000	kW								
Other items														
Capacity control				variable			For air-to-water heat pumps: Rated air flow rate, outdoors				-	4030	m³/h	
Sound power level, indoors/outdoors				LWA	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				-	-	m³/h	
Annual energy consumption				QHE	4950	kWh								
For heat pump combination heater:														
Declared load profile				-			Water heating energy efficiency				η_{wh}	-	%	
Daily electricity consumption				Qelec	-	kWh	Daily fuel consumption				Qfuel	-	kWh	
Annual electricity consumption				AEC	-	kWh	Annual fuel consumption				AFC	-	GJ	
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 Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).														
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.														