

Technical parameters													
Model(s):				KHC-14RY3-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	11.0	kW	Seasonal space heating energy efficiency				$\eta_s$	118.9	%
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	6.89	kW	Tj = -7°C				COPd	2.66	-
Tj = 2°C				Pdh	4.32	kW	Tj = 2°C				COPd	3.66	-
Tj = 7°C				Pdh	3.06	kW	Tj = 7°C				COPd	4.72	-
Tj = 12°C				Pdh	3.33	kW	Tj = 12°C				COPd	6.25	-
Tj = bivalent temperature				Pdh	8.94	kW	Tj = bivalent temperature				COPd	1.79	-
Tj = operating limit				Pdh	4.20	kW	Tj = operating limit				COPd	1.13	-
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	0.020	kW	Rated heat output (**)				Psup	6.80	kW
Standby mode				Psb	0.020	kW	Type of energy input				Electrical		
Thermostat-off mode				Pto	0.030	kW							
Crankcase heater mode				Pck	0.000	kW							
Other items													
Capacity control				variable			For air-to-water heat pumps: Rated air flow rate, outdoors				-	406	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	8867	kWh							
For heat pump combination heater:													
Declared load profile				-			Water heating energy efficiency				$\eta_{wh}$	-	%
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.													