

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							
Rated heat output (*)	Prated	11.0	kW	Seasonal space heating energy efficiency	$\eta_s$							
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				118.9 %								
Tj = -7°C	Pdh	6.89	kW	Tj = -7°C	COPd							
Tj = 2°C	Pdh	4.32	kW	Tj = 2°C	COPd							
Tj = 7°C	Pdh	3.06	kW	Tj = 7°C	COPd							
Tj = 12°C	Pdh	3.33	kW	Tj = 12°C	COPd							
Tj = bivalent temperature	Pdh	8.94	kW	Tj = bivalent temperature	COPd							
Tj = operating limit	Pdh	4.20	kW	Tj = operating limit	COPd							
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							
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc							
Degradation co-efficient (**)	Cdh	0.9	--	Heating water operating limit temperature	WTOL							
Power consumption in modes other than active mode				51 °C								
Off mode	Poff	0.020	kW	Supplementary heater								
Standby mode	Psb	0.020	kW	Rated heat output (**)	Psup							
Thermostat-off mode	Pto	0.030	kW	Type of energy input	Electrical							
Crankcase heater mode	Pck	0.000	kW									
Other items												
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4060	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	Qclec	-	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.												