

Technical parameters	
Model(s):	KHY-15PY3
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	AVERAGE

Parameters are declared for low-temperature application

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12,6	kW	Seasonal space heating energy efficiency	η_s	162,8	%
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	11,20	kW	Tj = -7°C	COPd	2,46	-
Tj = 2°C	Pdh	6,52	kW	Tj = 2°C	COPd	3,91	-
Tj = 7°C	Pdh	8,10	kW	Tj = 7°C	COPd	5,95	-
Tj = 12°C	Pdh	9,13	kW	Tj = 12°C	COPd	7,46	-
Tj = bivalent temperature	Pdh	11,20	kW	Tj = bivalent temperature	COPd	2,46	-
Tj = operation limit temperature	Pdh	12,43	kW	Tj = operation limit temperature	COPd	2,07	-
For air-to-air heat pumps: Tj = - 15 °C	Pdh	-	kW	For air-to-air heat pumps: Tj = - 15 °C	COPd	-	-
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	P _{cyc}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-
Degradation co-efficient (**)	C _{dh}	0,98	--	Heating water operating limit temperature	W _{TOL}	70	°C
Power consumption in modes other than active mode				Equipped with a supplementary heater:			
Off mode	P _{off}	0,013	kW	Rated heat output(**)	P _{sup}	0,17	kW
Standby mode	P _{sb}	0,013	kW	Type of energy input	Electrical		
Thermostat-off mode	P _{to}	0,028	kW				
Crankcase heater mode	P _{ck}	0,013	kW				

Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m ³ /h
Sound power level, indoor/outdoor	L _{WA}	-62	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h
Annual energy consumption	Q _{HE}	6359	kWh				
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

(***) Declared data according to European Regulation UE nr 811/2013:

Items	The class of the temperature control	The correction factor per class
On/off Room Thermostat	I	1,0%
Weather compensator control, for use with modulating heaters	II	2,0%
Weather compensator control, for use with on/off output heaters	III	1,5%
TPI (Time-Proportional-Integral) room thermostat, for use with on/off output heaters	IV	2,0%
Modulating room thermostat, for use with modulating heaters	V	3,0%
Weather compensator and room sensor, for use with modulating heaters	VI	4,0%
Weather compensator and room sensor, for use with on/off output heaters	VII	3,5%
Multi-sensor room temperature control, for use with modulating heaters	VIII	5,0%