

Technical parameters							
Model(s):	KHY-12PY3						
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	9,000	kW	Seasonal space heating energy efficiency	ηs	175,2	%
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	8,30	kW	Tj = -7°C	COPd	3,13	-
Tj = 2°C	Pdh	4,82	kW	Tj = 2°C	COPd	4,20	-
Tj = 7°C	Pdh	5,67	kW	Tj = 7°C	COPd	5,70	-
Tj = 12°C	Pdh	6,60	kW	Tj = 12°C	COPd	7,29	-
Tj = bivalent temperature	Pdh	8,30	kW	Tj = bivalent temperature	COPd	3,13	-
Tj = operation limit temperature	Pdh	9,04	kW	Tj = operation limit temperature	COPd	2,80	-
For air-to-air heat pumps: Tj = – 15 °C	Pdh	-	kW	For air-to-air heat pumps: Tj = – 15 °C	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.98	--	Heating water operating limit temperature	WTOL	70	°C
Power consumption in modes other than active mode				Equipped with a supplementary heater:			
Off mode	Poff	0.010	kW	Rated heat output(**)	Psup	0,00	kW
Standby mode	Psb	0.010	kW	Type of energy input	Electrical		
Thermostat-off mode	Pto	0.019	kW				
Crankcase heater mode	Pck	0.010	kW				
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m³/h
Sound power level, indoor/outdoor	LWA	-63	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	4220	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%	