PRODUCT FICHE according to European Regulation (UE) nr 811/2013, (UE) nr 813/2013



		Те	echnica	l paramet	ers					
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-tem	perature ann	lication								
Item		Value	Unit	Item		Symbol	Value	Unit		
	Symbol		-			Πs				
Rated heat output (*)	Prated	9,000	kW	Seasona	Seasonal space heating energy efficiency		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 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	Tj = 2°C		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	Tj = 12°C		7,29	-		
Tj = bivalent temperature	Pdh	8,30	kW	Ti = biva	Tj = bivalent temperature		3,13	-		
Tj = operation limit temperature	Pdh	9,04	kW		Tj = operation limit temperature		2,80	-		
For air-to-air heat pumps: Tj = – 15 °C	Pdh		kW		For air-to-air heat pumps: Tj = – 15 °C		-	-		
Bivalent temperature	Tbiv	-7	°C	For air-to	For air-to-water heat pumps: Operation limit temperature		-10	°C		
Cycling interval capacity for heating	Pcych	-	kW	· ·	Cycling interval efficiency		-	-		
Degradation co-efficient (**)	Cdh	0.98		Heating	vater operating limit temperature	WTOL	70	°C		
Power consumption in modes other than a	active mode			Equipped	with a supplementary heater:					
Off mode	Poff	0.010	kW			Psup				
Standby mode	Psb	0.010	kW	Rated he	Rated heat output(**)		0,00	kW		
Thermostat-off mode	Pto	0.019	kW							
Crankcase heater mode	Pck	0.010	kW	l ype of e	energy input	Electrical				
		•		Eor air-to	water heat numps:					
Capacity control		variable			For air-to-water heat pumps: Rated air flow rate, outdoors		-	m³/h		
Sound power level, indoor/outdoor	Lwa	-/63	dB	Rated bri	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor		-	m³/h		
Annual energy consumption	Q _{HE}	4220	kWh	heat excl	nanger					
Contact details	KLIMA-THERM sp. z o.o. ul. Ostrobramska 101A, 04-041 Warszawa, Polska									
 (*) For heat pump space heaters a heating 'Pdesignh', and the rated he 'sup(Tj)'. (**) If 'Cdh' is not determined by r (***) Declared data according to E 	and heat pur at output of neasuremer	mp combina a supplem It then the d	ition heat entary he	ers, the rate eater 'Psup' gradation co	d heat output 'Prated' is equal is equal to the supplementar					
	The class of the temperature control	The correction factor per class								
On/off Room Thermostat Weather compensator control, for use with r	I II	1,0%								
Weather compensator control, for use with r	III	1,5%								
TPI (Time-Proportional-Integral) room therm	IV	2,0%								
Modulating room thermostat, for use with m Weather compensator and room sensor, for	V VI	3,0% 4,0%								
Weather compensator and room sensor, for	VII	3,5%								
Multi-sensor room temperature control, for	VIII	VIII 5,0%								

PRODUCT FICHE according to European Regulation (UE) nr 811/2013, (UE) nr 813/2013



		Те	echnica	l paramet	ers					
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		ΝΟ								
Heat pump combination heater		NO								
Declared climate condition		AVERAGE								
Parameters are declared for low-temp	perature ann	lication								
Item	Symbol	Value	Unit	Item		Symbol	Value	Unit		
	-	12,6	kW			-		%		
Rated heat output (*)	Prated	12,0	KVV	Seasona	l space heating energy efficiency	Ŋs	162,8	70		
Declared capacity for heating for part load at indoor temperature 20°C an outdoor temperature Tj					Declared coefficient of performance or primary energy ratio for part loa 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	Tj = 2°C		3,91	-		
Tj = 7°C	Pdh	8,10	kW	Tj = 7°C	Tj = 7°C		5,95	-		
Tj = 12°C	Pdh	9,13	kW	Tj = 12°C	Tj = 12°C		7,46	-		
Tj = bivalent temperature	Pdh	11,20	kW	Tj = biva	Tj = bivalent temperature		2,46	-		
Tj = operation limit temperature	Pdh	12,43	kW	Tj = oper	Tj = operation limit temperature		2,07	-		
For air-to-air heat pumps: Tj = – 15 °C	Pdh	-	kW	For air-to	For air-to-air heat pumps: Tj = – 15 °C		-	-		
Bivalent temperature	Tbiv	-7	°C		For air-to-water heat pumps: Operation limit temperature		-10	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling in	nterval efficiency	COPcyc	-	-		
Degradation co-efficient (**)	Cdh	0.98		Heating	Heating water operating limit temperature		70	°C		
Power consumption in modes other than a	active mode	<u> </u>	-	Equipped	d with a supplementary heater:	<u> </u>	<u> </u>			
Off mode	Poff	0.013	kW	Botod bo	Rated heat output(**)					
Standby mode	Psb	0.013	kW	Rateu ne			0,17	kW		
Thermostat-off mode	Pto	0.028	kW	Type of e	Type of energy input		Electrical			
Crankcase heater mode	Pck	0.013	kW	Type or c						
				For air-to	-water heat pumps:			2.1		
Capacity control		variable			Rated air flow rate, outdoors		-	m³/h		
Sound power level, indoor/outdoor	Lwa	-/62	dB	Rated bri	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor		-	m³/h		
Annual energy consumption	Q _{HE}	6359	kWh	incar exci	heat exchanger					
Contact details	KLIMA-THERM sp. z o.o. ul. Ostrobramska 101A, 04-041 Warszawa, Polska									
 (*) For heat pump space heaters a heating 'Pdesignh', and the rated he 'sup(Tj)'. (**) If 'Cdh' is not determined by n (***) Declared data according to E 	and heat pur at output of neasuremer	mp combina a supplem It then the d	ition heat entary he	ers, the rate eater 'Psup' gradation co	d heat output 'Prated' is equal is equal to the supplementar					
	Items	The class of the temperature control	The correction factor per class							
On/off Room Thermostat		1,0%								
Weather compensator control, for use with r Weather compensator control, for use with c	 	2,0%								
TPI (Time-Proportional-Integral) room therm	IV	2,0%								
Modulating room thermostat, for use with m	V	3,0%								
Weather compensator and room sensor, for	VI	4,0%								
Weather compensator and room sensor, for	VII VIII	3,5%								
Multi-sensor room temperature control, for	use with modulat	Multi-sensor room temperature control, for use with modulating heaters								