



Technical parameters for heat pump space heaters

Model	Picco 06
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
Parameters shall be declared for medium-temperature application.	

Parameters shall be declared for average climate condition.

Item	Symbol	Value	Unit
Rated heat pump	P _{rated}	5	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dH}	4,8	kW
T _j = +2°C	P _{dH}	3,0	kW
T _j = +7°C	P _{dH}	3,3	kW
T _j = +12°C	P _{dH}	3,6	kW
T _j = bivalent temperature	P _{dH}	4,8	kW
T _j = operation limit temperature	P _{dH}	4,2	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dH}	-	kW
Bivalent temperature	T _{biv}	-7	°C
Cycling interval capacity for heating	P _{cycH}	3,4	kW
Degradation co-efficient	C _{dH}	1,0	-
Power consumption in modes other than active mode			
Off mode	P _{off}	0,000	kW
Thermostat-off mode	P _{To}	0,011	kW
Standby mode	P _{SB}	0,011	kW
Crankcase heater mode	P _{CK}	0,000	kW
Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L _{WA}	- / 62	dB(A)
Annual energy consumption	Q _{HE}	3661	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	121	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d	1,74	
T _j = +2°C	COP _d	2,86	
T _j = +7°C	COP _d	4,74	
T _j = +12°C	COP _d	6,75	
T _j = bivalent temperature	COP _d	1,74	
T _j = operation limit temperature	COP _d	1,40	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d	-	
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP _{cyc}	5,08	
Heating water operating limit temperature	WTOL	58	°C
Supplementary heater			
Rated heat output	P _{sup}	-	kW
Type of energy input	-		
For air-to-water heat pumps: Rated air flow rate, outdoors	-	2500	m ³ /h
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h