Product Fiche

Manufacturer / Address: Eurofred S.A./ c/Marqués de Sentmenat, 97, 08029 Barcelona ;

Models: 3ICD4000 CRAD/UIAWP 25 ;

Energy efficiency classes: A+ ;

Rated heat output (average climate conditions): 6.2kW ;

Space heating energy efficiency (average climate conditions): 147% ;

Annual energy consumption (average climate conditions): 2366kWh ;

Sound power level (indoor): / dB(A);

Specific precautions when the space heater is assembled, installed or maintained:

(1) Before installation, please check if the adopted power is accordance with that listed on nameplate, and check the safety of power;

(2) Before using, please check and confirm if wires and water pipes are connected correctly to avid water leakage, electric shock or fire etc;

(3) Don't operate the unit with wet hand, and don't allow children to operate the unit;

(4) The On/off in the instruction is for the operation to on and off button of PCB for users; cut off power means to stop supplying power to the unit;

(5) Don't directly expose the unit under the corrosive ambient with water or dampness;

(6) Don't operate the unit without water .The air outlet/inlet of unit can not be blocked by other objects;

(7) he water in unit and pipeline should be discharged if the unit is not in use, to prevent pipe line and water pump from frost-cracking;

(8) Never press the button with sharp objects to protect manual controller. Never use other wires instead of special communication line of the unit to protect control elements. Never clean the manual controller with benzene, thinner or chemical cloth to avoid fading of surface and failure of elements. Clean the unit with the cloth soaked in neutral eradicator .Slightly clean the display screen and connecting parts to avoid fading;

(9) The power cord must be separated with the communication line.

Rated heat output (colder climate conditions): 5.5kW ;

Rated heat output (warmer climate conditions): 7.5kW ;

Space heating energy efficiency(colder climate conditions): 99% ;

Space heating energy efficiency(warmer climate conditions): 197% ;

Annual energy consumption (colder climate conditions): 4666kWh ;

Annual energy consumption (warmer climate conditions): 2135kWh ;

Sound power level (outdoor): 69 dB(A);

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Information requirements (heat pump space heaters and heat pump combination heaters)							
Model(s): 3ICD4000 CRAD/UIAWP 25							
Air-to-water heat pump	Y			Average (mandatory)	Y		
Water-to-water heat pump	N			Warmer (if designated)	Y		
Brine-to-water heat pump	N			Colder (if designated)	Y		
Low-temperature heat pump	Y			Medium-temperature application	N		
Equipped with a supplementary heater	Y			Low-temperature application	Y		
Heat pump combination heater	N						
Item	symbol	value	unit	Item	symbol	value	unit
Rated heat output (*)	Prated	6.2	kW	Seasonal space heating energy efficiency	ηs	148	%
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 ℃	Pdh	5.2	kW	Tj = – 7 ℃	COPd or PERd	2.44	– or %
Tj = 2 ℃	Pdh	4.9	kW	Tj = 2 ℃	COPd or PERd	3.82	– or %
Tj = 7 ℃	Pdh	4.4	kW	Tj = 7 ℃	COPd or PERd	5.58	– or %
Tj = 12℃	Pdh	5.3	kW	Tj = 12℃	COPd or PERd	6.95	– or %
Tj = bivalent temperature	Pdh	5.2	kW	Tj = bivalent temperature	COPd or PERd	2.44	– or %
Tj = operation limit temperature	Pdh	5.1	kW	Tj = operation limit temperature	COPd or PERd	2.33	– or %
For air-to-water heat pumps: Tj = – 15℃ (if TOL < – 20℃)	Pdh	/	kW	For air-to-water heat pumps: Tj = – 15℃ (if TOL < – 20℃)	COPd or PERd	/	– or %
Bivalent temperature	Tbiv	-7	℃	For air-to-water heat pumps: Operation limit temperature	TOL	-10	℃
Cycling interval capacity for heating	Pcych	/	kW	Cycling interval efficiency	COPcyc or PERcyc	/	– or %
Degradation co-efficient (**)	Cdh	0.9	—	Heating water operating limit temperature	WTOL	-20	℃
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P_{OFF}	0.000	kW	Rated heat output (*)	Psup	1.1	kW
Thermostat-off mode	P_{TO}	0.159	kW	Type of energy input	electricity		
Standby mode	P_{SB}	0.009	kW				
Crankcase heater mode	P_{CK}	0.086	kW				
Other items							

Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	3510.0	m^3/h
Sound power level, indoors/outdoors	L_{WA}	69	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}	2366.0	kWh				
For heat pump combination heater:							
Declared load profile	/			Water heating energy efficiency	ηwh	/	%
Daily electricity consumption	Qelec	/	kWh	Daily fuel consumption	Qfuel	/	kWh
Annual electricity consumption	AEC	/	kWh	Annual fuel consumption	AFC	/	GJ
Contact details: Tel: +34 93 419 97 97 Fax: +34 93 419 86 86 http://www.eurofred.es				Name and address of the supplier: Eurofred S.A./ c/Marqués de Sentmenat, 97, 08029 Barcelona			
(*) 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.							

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