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BIASI Advance Plus 30C ERP



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52 dB

24
kW

Model(s):	Advance Plus 30C ERP
Condensing boiler:	Yes
Low-temperature boiler:	No
B1 boiler:	No

Cogeneration space heater: No If yes, equipped with a supplementary heater: -

Combination heater: Yes

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	P_{rated}	24	kW	Seasonal space heating energy efficiency	η_s	92	%
For boiler space heaters and boiler combination heaters: Useful heat output				For boiler space heaters and boiler combination heaters: Useful efficiency			
At rated heat output and high-temperature regime (*)	P_4	24,4	kW	At rated heat output and high-temperature regime (*)	η_4	88,0	%
At 30 % of rated heat output and low-temperature regime (**)	P_1	8,1	kW	At 30 % of rated heat output and low-temperature regime (**)	η_1	97,0	%
Auxiliary electricity consumption				Other items			
At full load	e_{max}	0,095	kW	Standby heat loss	P_{stby}	0,098	kW
At part load	e_{min}	0,010	kW	Ignition burner power consumption	P_{ign}	-	kW
In standby mode	P_{SB}	0,005	kW	Annual energy consumption	Q_{HE}	51	GJ
				Sound power level, indoors	L_{WA}	52	dB
				Emission of nitrogen oxides	NO_x	31	mg/kWh

For combination heaters:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	87	%
Daily electricity consumption	Q_{elec}	0,163	kWh	Daily fuel consumption	Q_{fuel}	22,169	kWh
Annual electricity consumption	AEC	36	kWh	Annual fuel consumption	AFC	17	GJ

Contact details See manual cover

(*) High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.

(**) Low temperature means for condensing boilers 30 °C, for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).