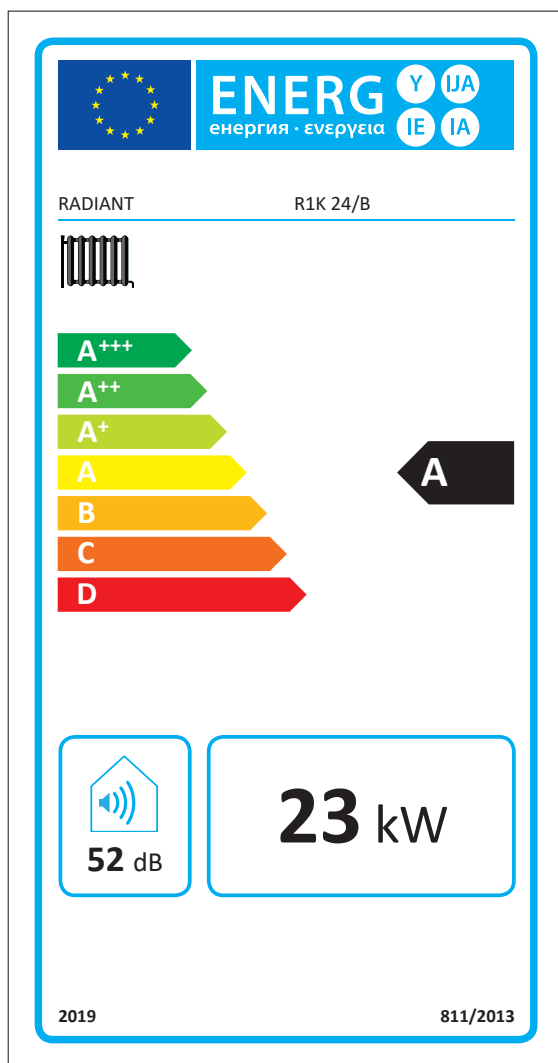


ENERGY EFFICIENCY CERTIFICATION (ERP)

Radiant Bruciatori SpA declares that the premixed generator condensing model **R1K 24/B** has the following energy label [1] and has the following technical parameters referred to in Regulation 2013/813 / EU [2].

[1]



[2]

Model		R1K 24/B
Condensing boiler	[yes/no]	yes
Low-temperature (**) boiler:	[yes/no]	no
B11 boiler	[yes/no]	no
Cogeneration space heater	[yes/no]	no
If yes, equipped with a supplementary heater	[yes/no]	no
Combination heater	[yes/no]	no (***)
Rated heat output P_{rated}	kW	23
For boiler space heaters and boiler combination heaters: Useful heat output		
At rated heat output and high-temperature regime (*) P_4	kW	22,9
At 30 % of rated heat output and low-temperature regime (**) P_1	kW	7,6
Auxiliary electricity consumption		
At full load e_{lmax}	kW	0,038
At part load e_{lmin}	kW	0,016
In standby mode P_{SB}	kW	0,004
Seasonal space heating energy efficiency η_s	%	94
Seasonal space heating energy efficiency class		A
For boiler space heaters and boiler combination heaters: Useful efficiency		
At rated heat output and high-temperature regime (*) η_4	%	87,5
At 30 % of rated heat output and low-temperature regime (**) η_1	%	97,0
Other items		
Standby heat loss P_{siby}	kW	0,059
Ignition burner power consumption P_{ign}	kW	0,000
Emissions of nitrogen oxides NOx	mg/kWh	32
Annual energy consumption Q_{HE}	kWh / GJ	20513 / 73,85
Sound power level, indoors L_{WA}	dB	52
For combination heaters:		
D.H.W. energy efficiency class		-
Declared load profile		-
Daily electricity consumption Q_{elec}	kWh	-
Water heating energy efficiency η_{wh}	%	-
Daily fuel consumption Q_{fuel}	kWh	-
Contact details	Tel. +39 0721 90791 - fax. +39 0721.9079299 - e-mail: info@radiant.it - http:// www. radiant.it	
Name and address of the supplier	RADIANT BRUCIATORI S.p.A. Via Pantanelli, 164/166 - 61025 - Montelabbate (PU)	
(*) 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).		
(***) The boiler can be connected to an external tank for DHW production.		

This certificate is issued by Radiant Bruciatori spa as a result of the laboratory certification by Kiwa homologating authority.
Certificate No.: KIP-17050/G.

Montelabbate, 22.05.2022

The Technical Director
Paolo Battisti

