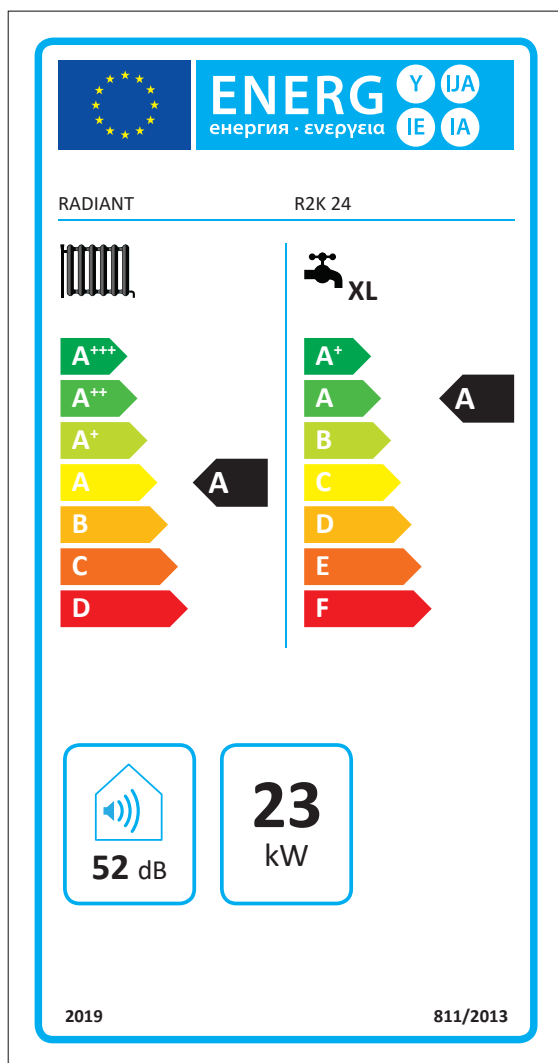


ENERGY EFFICIENCY CERTIFICATION (ERP)

Radiant Bruciatori SpA declares that the premixed generator condensing model **R2K 24** has the following energy label [1] and has the following technical parameters referred to in Regulation 2013/813 / EU [2].

[1]



[2]

Model		R2K 24
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]	yes
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	22.94
At 30 % of rated heat output and low-temperature regime (**) P_1	kW	7.05
Auxiliary electricity consumption		
At full load e_{max}	kW	0.04
At part load e_{min}	kW	0.02
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	%	87.10
At 30 % of rated heat output and low-temperature regime (**) η_1	%	96.30
Other items		
Standby heat loss P_{stby}	kW	0.1
Ignition burner power consumption P_{ign}	kW	0.0
Emissions of nitrogen oxides NO_x	mg/kWh	35
Annual energy consumption Q_{HE}	kWh / GJ	20649 / 74.34
Sound power level, indoors L_{WA}	dB	52
For combination heaters:		
D.H.W. energy efficiency class		A
Declared load profile		XL
Daily electricity consumption Q_{elec}	kWh	0.146
Annual electricity consumption AEC	kWh	53
Water heating energy efficiency η_{wh}	%	81
Daily fuel consumption Q_{fuel}	kWh	23,929
Annual fuel consumption AFC	GJ	18
Contact details	Tel. +39 0721 9079.1 - 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).		

This certificate is issued by Radiant Bruciatori spa as a result of the laboratory certification by Kiwa homologating authority.
Certificate No.: KIP-16300/G.

Montelabbate, 30.09.2019

The Technical Director
Paolo Battisti

