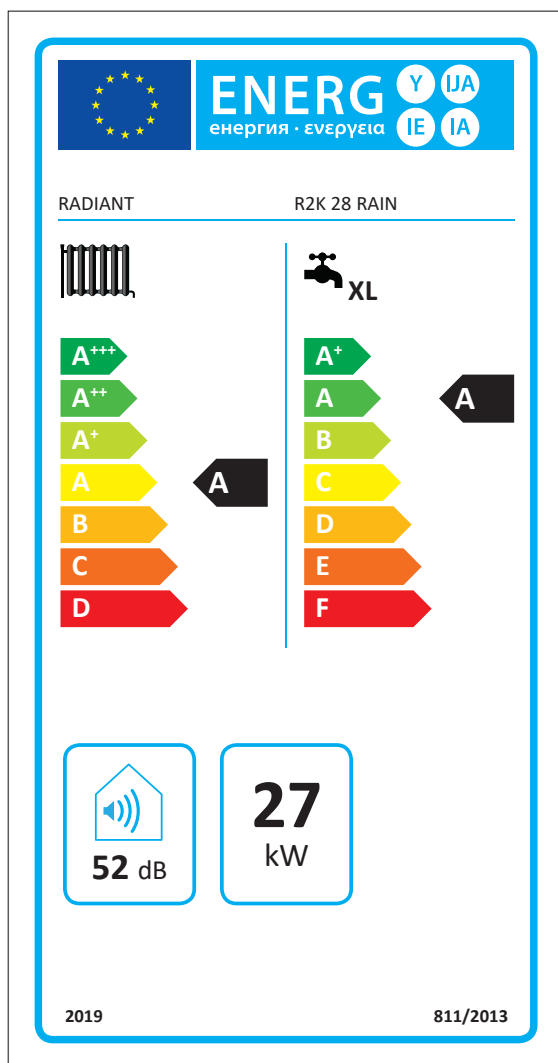


ENERGY EFFICIENCY CERTIFICATION (ERP)

Radiant Bruciatori SpA declares that the premixed generator condensing model **R2K 28 RAIN** has the following energy label [1] and has the following technical parameters referred to in Regulation 2013/813 / EU [2].

[1]



[2]

Model		R2K 28 RAIN
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 Prated	kW	27
For boiler space heaters and boiler combination heaters: Useful heat output		
At rated heat output and high-temperature regime (*) P ₄	kW	27.30
At 30 % of rated heat output and low-temperature regime (**) P ₁	kW	8.40
Auxiliary electricity consumption		
At full load elmax	kW	0.04
At part load elmin	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 _t	%	87.20
At 30 % of rated heat output and low-temperature regime (**) η ₁	%	97.30
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	37
Annual energy consumption Q _{HE}	kWh / GJ	24666 / 87
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	0,154
Annual electricity consumption AEC	kWh	56
Water heating energy efficiency η _{wh}	%	82
Daily fuel consumption Q _{fuel}	kWh	23,660
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

