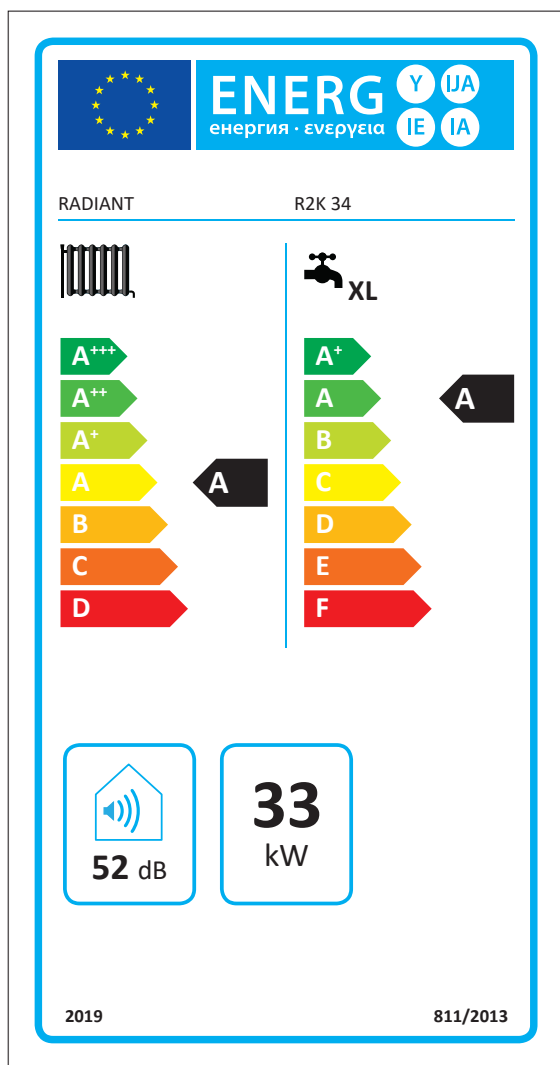


## ENERGY EFFICIENCY CERTIFICATION (ERP)

Radiant Bruciatori SpA declares that the premixed generator condensing model **R2K 34** has the following energy label [1] and has the following technical parameters referred to in Regulation 2013/813 / EU [2].

[1]



[2]

Model		R2K 34
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	33
For boiler space heaters and boiler combination heaters: Useful heat output		
At rated heat output and high-temperature regime (*) $P_4$	kW	33.35
At 30 % of rated heat output and low-temperature regime (**) $P_1$	kW	10.20
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 $\eta_s$	%	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 (*) $\eta_4$	%	88.30
At 30 % of rated heat output and low-temperature regime (**) $\eta_1$	%	97.80
Other items		
Standby heat loss $P_{stby}$	kW	0.1
Ignition burner power consumption $P_{ign}$	kW	0.0
Emissions of nitrogen oxides NOx	mg/kWh	55
Annual energy consumption $Q_{HE}$	kWh / GJ	29444 / 106
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	0,160
Annual electricity consumption AEC	kWh	59
Water heating energy efficiency $\eta_{wh}$	%	83
Daily fuel consumption $Q_{fuel}$	kWh	26.821
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

