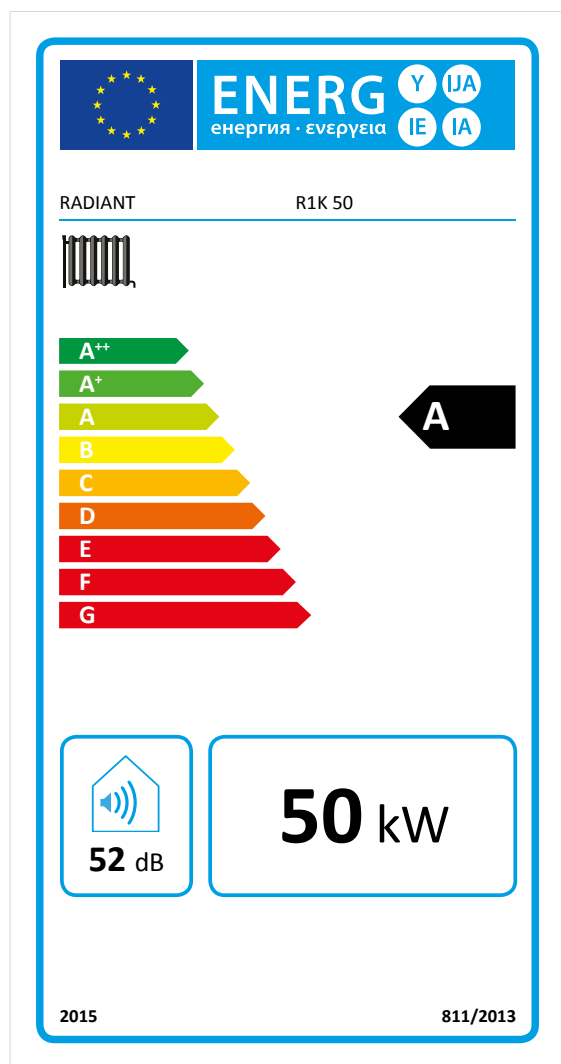


ENERGY EFFICIENCY CERTIFICATION (ERP)

Radiant Bruciatori SpA declares that the premixed generator condensing model **R1K 50** has the following energy label [1] and has the following technical parameters referred to in Regulation 2013/813 / EU [2].

[1]



[2]

| Model | | R1K 50 |
|---|----------|-----------|
| 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 Prated | kW | 49.20 |
| For boiler space heaters and boiler combination heaters: Useful heat output | | |
| At rated heat output and high-temperature regime (*) P ₄ | kW | 49.20 |
| At 30 % of rated heat output and low-temperature regime (**) P ₁ | kW | 15.00 |
| 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 | % | 93 |
| 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 | % | 88.1 |
| At 30 % of rated heat output and low-temperature regime (**) η ₁ | % | 98 |
| Other items | | |
| Standby heat loss P _{stby} | kW | 0.1 |
| Ignition burner power consumption P _{ign} | kW | 0 |
| Annual energy consumption Q _{HE} | kWh/GJ | 43054/155 |
| 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 | - |
| Annual electricity consumption AEC | kWh | - |
| Water heating energy efficiency η _{wh} | % | - |
| Daily fuel consumption Q _{fuel} | kWh | - |
| Annual fuel consumption AFC | GJ | - |

(*) 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-15167.

Montelabbate, 26.10.2016

The Technical Director
Paolo Battisti

