

Technical parameters for boiler combination heaters

| Potterton Gold Combi ErP | | | 24 | 28 | 33 |
|--|-----------------|-----------|-------------|-------------|-------------|
| Condensing boiler | | | Yes | Yes | Yes |
| Low-temperature boiler ⁽¹⁾ | | | No | No | No |
| B1 boiler | | | No | No | No |
| Cogeneration space heater | | | No | No | No |
| Combination heater | | | Yes | Yes | Yes |
| Rated heat output | P_{rated} | kW | 20 | 24 | 28 |
| Useful heat output at rated heat output and high temperature regime ⁽²⁾ | P_4 | kW | 20.0 | 24.0 | 28.0 |
| Useful heat output at 30% of rated heat output and low temperature regime ⁽¹⁾ | P_1 | kW | 6.6 | 7.9 | 9.2 |
| Seasonal space heating energy efficiency | η_s | % | 92 | 92 | 92 |
| Useful efficiency at rated heat output and high temperature regime ⁽²⁾ | η_4 | % | 87.9 | 87.9 | 87.9 |
| Useful efficiency at 30% of rated heat output and low temperature regime ⁽¹⁾ | η_1 | % | 96.8 | 96.8 | 96.7 |
| Auxiliary electricity consumption | | | | | |
| Full load | el_{max} | kW | 0.034 | 0.042 | 0.043 |
| Part load | el_{min} | kW | 0.016 | 0.016 | 0.017 |
| Standby mode | P_{SB} | kW | 0.003 | 0.003 | 0.003 |
| Other items | | | | | |
| Standby heat loss | P_{stby} | kW | 0.040 | 0.040 | 0.040 |
| Ignition burner power consumption | P_{ign} | kW | - | - | - |
| Annual energy consumption | Q_{HE} | kWh GJ | 17391 63 | 20870 75 | 24348 88 |
| Sound power level, indoors | L_{WA} | dB | 50 | 53 | 52 |
| Emissions of nitrogen oxides | NO _x | mg/kWh | 20 | 23 | 20 |
| Domestic hot water parameters | | | | | |
| Declared load profile | | | XL | XL | XL |
| Daily electricity consumption | Q_{elec} | kWh | 0.186 | 0.188 | 0.184 |
| Annual electricity consumption | AEC | kWh | 41 | 41 | 40 |
| Water heating energy efficiency | η_{wh} | % | 84 | 81 | 83 |
| Daily fuel consumption | Q_{fuel} | kWh | 23.220 | 24.307 | 23.695 |
| Annual fuel consumption | AFC | GJ | 18 | 18 | 18 |
| (1) 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). | | | | | |
| (2) High temperature regime means 60°C return temperature at heater inlet and 80°C feed temperature at heater outlet. | | | | | |



See
The back cover for contact details.