

Technical parameters for boiler space heaters

Potterton Gold System ErP			18	24	28
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			No	No	No
Rated heat output	P_{rated}	kW	18	24	28
Useful heat output at rated heat output and high temperature regime	P_4	kW	18.0	24.0	28.0
Useful heat output at 30% of rated heat output and low temperature regime ⁽¹⁾	P_1	kW	5.9	7.9	9.3
Seasonal space heating energy efficiency	η_s	%	91	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	96.8
Auxiliary electricity consumption					
Full load	el_{max}	kW	0.065	0.042	0.041
Part load	el_{min}	kW	0.014	0.014	0.015
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	15824 57	20870 75	24348 88
Sound power level, indoors	L_{WA}	dB	53	58	53
Emissions of nitrogen oxides	NO _x	mg/kWh	29	20	20
(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.