

Technical parameters for boiler space heaters

Potterton Promax SL Heat ErP			12	15	18	24	30
Condensing boiler			Yes	Yes	Yes	Yes	Yes
Low-temperature boiler ⁽¹⁾			No	No	No	No	No
B1 boiler			No	No	No	No	No
Cogeneration space heater			No	No	No	No	No
Combination heater			No	No	No	No	No
Rated heat output	<i>P_{rated}</i>	kW	12	15	18	24	30
Useful heat output at rated heat output and high temperature regime	<i>P₄</i>	kW	12.0	15.0	18.0	24.0	30.0
Useful heat output at 30% of rated heat output and low temperature regime ⁽¹⁾	<i>P₁</i>	kW	3.8	4.8	5.9	7.8	9.7
Seasonal space heating energy efficiency	<i>η_s</i>	%	91	91	92	92	92
Useful efficiency at rated heat output and high temperature regime ⁽²⁾	<i>η₄</i>	%	90.3	88.6	90.3	88.3	89.5
Useful efficiency at 30% of rated heat output and low temperature regime ⁽¹⁾	<i>η₁</i>	%	96.5	96.5	96.5	96.8	96.5
Auxiliary electricity consumption							
Full load	<i>el_{max}</i>	kW	0.070	0.080	0.110	0.130	0.145
Part load	<i>el_{min}</i>	kW	0.007	0.007	0.007	0.007	0.007
Standby mode	<i>P_{SB}</i>	kW	0	0	0	0	0
Other items							
Standby heat loss	<i>P_{stby}</i>	kW	0.100	0.100	0.100	0.100	0.100
Ignition burner power consumption	<i>P_{ign}</i>	kW	-	-	-	-	-
Annual energy consumption	<i>Q_{HE}</i>	kWh GJ	10550 38	13187 47	15652 56	20870 75	26087 94
Sound power level, indoors	<i>L_{WA}</i>	dB	38	46	49	52	58
Emissions of nitrogen oxides	NO _x	mg/kWh	20	20	20	19	24
(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.