

Technical parameters for boiler space heaters

Potterton Promax System ErP			12	15	18	24	32
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	P_{rated}	kW	12	15	19	25	33
Useful heat output at rated heat output and high temperature regime	P_4	kW	12.4	15.4	18.5	24.7	32.8
Useful heat output at 30% of rated heat output and low temperature regime ⁽¹⁾	P_1	kW	4.0	5.0	6.0	8.0	10.6
Seasonal space heating energy efficiency	η_s	%	91	92	92	92	92
Useful efficiency at rated heat output and high temperature regime ⁽²⁾	η_4	%	90.0	90.0	90.0	90.0	90.0
Useful efficiency at 30% of rated heat output and low temperature regime ⁽¹⁾	η_1	%	96.7	96.8	96.8	96.8	96.7
Auxiliary electricity consumption							
Full load	el_{max}	kW	0.050	0.037	0.065	0.042	0.043
Part load	el_{min}	kW	0.015	0.014	0.014	0.014	0.015
Standby mode	P_{SB}	kW	0.003	0.003	0.003	0.003	0.003
Other items							
Standby heat loss	P_{stby}	kW	0.040	0.040	0.040	0.040	0.040
Ignition burner power consumption	P_{ign}	kW	-	-	-	-	-
Annual energy consumption	Q_{HE}	kWh GJ	10901 39	13391 48	16087 58	21478 77	28522 103
Sound power level, indoors	L_{WA}	dB	55	52	53	58	54
Emissions of nitrogen oxides	NO_x	mg/kWh	15	25	29	20	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.