

TECHNICAL SUBMITTAL



ETHOS 550 | FLOOR STANDING CONDENSING BOILER

| GENERAL | | |
|--|---------------------|--------------|
| Dimensions (Height x Width x Depth) ^[1] | 1300 x 750 x 1500mm | |
| Heat Exchanger Material | Stainless Steel | |
| Water Content of Appliance | 30 L | |
| Weight (Empty) | 370 kg | |
| Flow / Return Connections | DN65 PN16 Flange | |
| Gas Connection | 1½" BSP | |
| Flue Connection | 180mm | |
| Power Consumption | 898 W | |
| Electrical Supply | 230 V | |
| Frequency | 50 Hz | |
| Fuse Protection | 10 A | |
| Maximum Fan Speed | 9200 RPM | |
| Minimum Fan Speed | 1950 RPM | |
| HEATING PERFORMANCE | | |
| Nominal Heat Input (Nett) | 27.5 - 550 kW | |
| Nominal Heat Output at 80/60°C | 27 - 539 kW | |
| Nominal Heat Output at 50/30°C | 29.7 - 594 kW | |
| Maximum Gas Consumption | G20 | 56.1 m³/hr |
| | G25 | 62.1 m³/hr |
| | G31 | 20.9 m³/hr |
| TECHNICAL DATA | | |
| Flue Gas Dew Point | 52°C | |
| Flue Temperature at 80/60°C (at ambient temperature of 20°C) | 75°C | |
| Flue Material Temperature Class | T 120 | |
| Permitted Maximum Resistance of Flue System ^[2] | 250 Pa | |
| Condensation pH Value | 3 - 5.5 pH | |
| Maximum CH Flow Temperature | 90°C | |
| CH Water Pressure (Minimum / Maximum) | 0.5 - 6 bar | |
| Minimum / Maximum Gas Pressure | G20 | 17 - 20 mbar |
| | G25 | 17 - 20 mbar |
| | G31 | 30 - 50 mbar |
| ENVIRONMENTAL DATA | | |
| NO _x Levels | 31 mg/kW | |
| Maximum Efficiency (Nett Non-Condensing) | 98.3% | |
| Maximum Efficiency (Nett Condensing) | 108.6% | |
| Seasonal Efficiency | 95.6% | |

^[1] Depth dimensions are taken from the front to the rear of the casing and do not include the external pipework. Height dimensions are taken from the bottom of the boiler and do not include the height of the supplied adjustable feet.

^[2] With this resistance value the heat output will remain within the specifications indicated on the dataplate; if the resistance is higher, the heat output will be reduced.