

# TECHNICAL SUBMITTAL



## ETHOS 350 | FLOOR STANDING CONDENSING BOILER

GENERAL		
Dimensions (Height x Width x Depth) <sup>[1]</sup>	1300 x 750 x 1100mm	
Heat Exchanger Material	Stainless Steel	
Water Content of Appliance	25 L	
Weight (Empty)	234 kg	
Flow / Return Connections	DN50 PN16 Flange	
Gas Connection	1½" BSP	
Flue Connection	150mm	
Power Consumption	558 W	
Electrical Supply	230 V	
Frequency	50 Hz	
Fuse Protection	10 A	
Maximum Fan Speed	6100 RPM	
Minimum Fan Speed	1300 RPM	
HEATING PERFORMANCE		
Nominal Heat Input (Nett)	17.5 - 350 kW	
Nominal Heat Output at 80/60°C	17.2 - 343 kW	
Nominal Heat Output at 50/30°C	18.9 - 378 kW	
Maximum Gas Consumption	G20	35.5 m³/hr
	G25	40.4 m³/hr
	G31	13.6 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 <sup>[2]</sup>	200 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 <sub>x</sub> Levels	31 mg/kW	
Maximum Efficiency (Nett Non-Condensing)	98.1%	
Maximum Efficiency (Nett Condensing)	108.9%	
Seasonal Efficiency	95.6%	

<sup>[1]</sup> 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.

<sup>[2]</sup> 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.