

TECHNICAL SUBMITTAL



ETHOS 70 | WALL MOUNTED CONDENSING BOILER

GENERAL		
Dimensions (Height x Width x Depth)	905 x 530 x 475mm	
Heat Exchanger Material	Stainless Steel	
Water Content of Appliance	7 L	
Weight (Empty)	67 kg	
Flow / Return Connections	¾" BSP	
Gas Connection	¾" BSP	
Flue Connection	80mm	
Air Supply Connection	80mm	
Concentric (Optional)	80/125mm	
Power Consumption	369 W	
Electrical Supply	230 V	
Frequency	50 Hz	
Fuse Protection	6 A	
Maximum Fan Speed	6600 RPM	
Minimum Fan Speed	1000 RPM	
HEATING PERFORMANCE		
Nominal Heat Input (Nett)	7 - 70 kW	
Nominal Heat Output at 80/60°C	6.8 - 68.4 kW	
Nominal Heat Output at 50/30°C	7.7 - 76.8 kW	
Maximum Gas Consumption	G20	7.4 m³/hr
	G25	8.6 m³/hr
	G31	2.9 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*	140 Pa	
Condensation pH Value	3 - 5.5 pH	
Maximum CH Flow Temperature	90°C	
CH Water Pressure (Minimum / Maximum)	0.5 - 4 bar	
Minimum / Maximum Gas Pressure	G20	17 - 20 mbar
	G25	17 - 20 mbar
	G31	30 - 50 mbar
ENVIRONMENTAL DATA		
Flue Gas CO ₂ Content	G20	8.4%
	G25	8.4%
	G31	9.5%
NO _x Levels	33 mg/kW	
Maximum Efficiency (Nett Non-Condensing)	97.7%	
Maximum Efficiency (Nett Condensing)	109.7%	
Seasonal Efficiency	96.79%	

* 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.