

TECHNICAL SUBMITTAL



ETHOS 90 | 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	8.8 L	
Weight (Empty)	91 kg	
Flow / Return Connections	1¼" BSP	
Gas Connection	¾" BSP	
Flue Connection	100mm	
Air Supply Connection	100mm	
Concentric (Optional)	110/150mm	
Power Consumption	369 W	
Electrical Supply	230 V	
Frequency	50 Hz	
Fuse Protection	6 A	
Maximum Fan Speed	6200 RPM	
Minimum Fan Speed	900 RPM	
HEATING PERFORMANCE		
Nominal Heat Input (Nett)	9 - 90 kW	
Nominal Heat Output at 80/60°C	8.8 - 87.5 kW	
Nominal Heat Output at 50/30°C	9.7 - 97.2 kW	
Maximum Gas Consumption	G20	9.4 m³/hr
	G25	10.9 m³/hr
	G31	3.7 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 - 6 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)	97.2%	
Maximum Efficiency (Nett Condensing)	108%	
Seasonal Efficiency	95.46%	

* 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.