

# TECHNICAL SUBMITTAL



## ETHOS 130 | WALL MOUNTED CONDENSING BOILER

GENERAL		
Dimensions (Height x Width x Depth)	905 x 530 x 675mm	
Heat Exchanger Material	Stainless Steel	
Water Content of Appliance	12.4 L	
Weight (Empty)	116 kg	
Flow / Return Connections	1¼" BSP	
Gas Connection	¾" BSP	
Flue Connection	100mm	
Air Supply Connection	100mm	
Concentric (Optional)	110/150mm	
Power Consumption	419 W	
Electrical Supply	230 V	
Frequency	50 Hz	
Fuse Protection	6 A	
Maximum Fan Speed	6200 RPM	
Minimum Fan Speed	950 RPM	
HEATING PERFORMANCE		
Nominal Heat Input (Nett)	13 - 130 kW	
Nominal Heat Output at 80/60°C	12.8 - 127.7 kW	
Nominal Heat Output at 50/30°C	14 - 140.4 kW	
Maximum Gas Consumption	G20	13.6 m³/hr
	G25	15.8 m³/hr
	G31	5.3 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*	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		
Flue Gas CO <sub>2</sub> Content	G20	8.4%
	G25	8.4%
	G31	9.5%
NO <sub>x</sub> Levels	33 mg/kW	
Maximum Efficiency (Nett Non-Condensing)	98.2%	
Maximum Efficiency (Nett Condensing)	108%	
Seasonal Efficiency	95.63%	

\* 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.