

# TECHNICAL SUBMITTAL FOR ETHOS 90

<b>GENERAL</b>	
Dimensions (Height x Width x Depth)	905 x 530 x 475mm
Model	<b>ETHOS 90</b>
Heat Exchanger Material	Stainless Steel
Weight (Empty)	91 kg
Flow / Return Connections	1 1/4" BSP
Gas Connection	3/4" BSP
Flue Connection	100mm
Air Supply Connection	100mm
Power Consumption	350 W
Electrical Supply	230 V
Frequency	50 Hz
Fuse Protection	6 A
<b>HEATING PERFORMANCE</b>	
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 m <sup>3</sup> /hr
Maximum Gas Consumption - G31 LPG	3.7 m <sup>3</sup> /hr
<b>TECHNICAL DATA</b>	
Flue Temperature at 80/60°C (at ambient temperature of 20°C)	75°C
Permitted Maximum Resistance of Flue System*	140 Pa
Condensation Value	3.0 - 5.5 pH
Maximum CH Flow Temperature	90°C
CH Water Pressure (Minimum / Maximum)	0.5 - 6 bar
Minimum / Maximum Gas Pressure - G20 / G25	17 - 20 mbar
Minimum / Maximum Gas Pressure - G31 LPG	30 - 50 mbar
<b>ENVIRONMENTAL DATA</b>	
NO <sub>x</sub> 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.