

<b>Boiler Type :</b>	<b>Gas 310 Eco Pro 355</b>
<b>Issue Date :</b>	<b>July 2014</b>



## TECHNICAL SPECIFICATION SHEET

This is a quick reference specification sheet, full details can be found in the Gas 310 Eco Pro installation and Service guide via [www.remeha.co.uk/documents](http://www.remeha.co.uk/documents)

### General Details

Fully condensing floor standing boiler supplied c/w electronic temperature and safety controls. Sectional cast aluminium heat exchanger. Powder coated, enamel steel casing. Ultra low NOx, on/off, or fully modulating (20-100%), pre - mix burner, gas/air ratio control for maximum efficiency and minimum emissions. Boiler fitted with casters for ease of positioning within plant room. Intelligent "abc<sup>®</sup>" boiler control system c/w numerical display providing operating and service parameters. Manufactured to ISO 9001. CE approved and supplied pre-assembled, easy to dismantle for ease of installation. NOx levels according to EN483 and EN 15420 (EN297 A3).

<b>MODEL : Gas 310 ECO Pro 355</b>		<b>No of SECTIONS : 6</b>	
<b>Rated Output kW (80/60°C) :</b>	65 - 327	<b>SBEM Seasonal Efficiency %: GCV<sup>(1)</sup></b>	96.34
<b>Rated Output kW (50/30°C) :</b>	350	<b>Min/Max Gas pressure mbar :</b>	17 - 30
<b>Weight (dry) kgs :</b>	398	<b>Radiated Losses % : <sup>(2)</sup></b>	0.18
<b>Overall Dim WxDxH mm :</b>	716 x 1862 x 1500		
<b>BURNER TYPE Pre mix</b>			
<b>Std Fuel Available :</b>	Natural Gas	<b>Gas Connection size BSP :</b>	2" (F)
<b>Fuel Consumption M<sup>3</sup>/h :</b>	35.2 (max)	<b>Acoustic level dB(A) at 1 metre <sup>(3)</sup>:</b>	55.7
<b>Flame Protection :</b>	Ionisation	<b>NOx (Dry, 0% O<sub>2</sub>) Mg/kW :</b>	35
<b>Ignition :</b>	Electronic		
<b>HYDRAULICS</b>			
<b>Water Content ltrs :</b>	60	<b>Connection Size Flanged :##</b>	NW 80
<b>Resistance @ 11°C Δt mbar :</b>	364	<b>Std Operating Temp °C :</b>	20 - 90
<b>Resistance @ 20°C Δt mbar :</b>	110	<b>Max Operating Temp °C :</b>	90
<b>Nom Flow Rate @ 11° C Δt l/s:</b>	7.11	<b>High Limit Set Point °C :</b>	110
<b>Nom Flow Rate @ 20° C Δt l/s:</b>	3.91	<b>Max operating pressure bar :</b>	7
<b>Min Flow Rate l/s :</b>	#	<b>Min operating pressure bar :</b>	0.8
<b>Condensate Connection :</b>	1¼"		
<b>FLUE/AIR INLET</b>		Standard = conventional	
<b>Flue diameter mm I/D :</b>	250	<b>Mass flue gas flow rate kgs/hr :</b>	114 - 560
<b>Air inlet diameter mm I/D :</b>	250	<b>Flue Gas Temperature @ 80/60 °C :</b>	30 - 80
<b>Residual Fan Duty Pa :</b>	120		
<b>ELECTRICAL</b>			
<b>Power Supply :</b>	230v – 1ph – 50hz	<b>Fuse Rating amps :</b>	10
<b>Power Consumption W :</b>	6 - 334	<b>Controls Voltage :</b>	24 (max 4va)
<b>Modulating input V dc :</b>	0 -10	<b>Insulation Class IP :</b>	X1B
<b>Start Current amps :</b>	4	<b>Run Current amps :</b>	1.4
<b>CONTROL OPERATION</b>			
<b>Standard :</b>	On/Off 0-10v dc Open Therm High limit protection Low water protection Volt free common alarm	Manual o/ride Modulating (20 - 100%) Safety interlocks Hours run indication Boiler run indication	
<b>Optional :</b>	Optimising/Compensators > Second return > Gas leak Detection > Water Pressure Switch > Air Inlet Filter >	For multiple and single boiler 65mm Flanged 80mm PN16 Option fitted to gas valve System pressure Connects to boiler air supply	

<sup>(1)</sup> In accordance with the Non Domestic Building Services Compliance Guide 2013 Edition – for use in England

<sup>(2)</sup> At 30° c ΔT = Boiler temp – Ambient temp (without heat exchanger insulation kit)

<sup>(3)</sup> For room sealed operation

# For a continuous supply of heat the boiler requires a minimum flow of 30% of the design flow rate

## Flow 80mm Return 65mm both Flanged NW 80 DIN 2576 – (PN16)