

GAS 310ECO PRO 650

TECHNICAL SPECIFICATION SHEET

October 2017

This is a quick reference specification sheet, full details can be found in the Gas 310 Eco Pro installation and service guide via remeha.co.uk

OVERVIEW

MODEL : Gas 310 Eco Pro 650	10 sections
Rated Output kW (80/60°C)	119 - 601
Rated Output kW (50/30°C)	651
Weight (dry) kgs	568
Overall Dim WxDxH mm	716 x 2172 x 1500
SBEM Seasonal Efficiency % GC ⁽¹⁾	95.75
Efficiency-Full Load 100% NCV: (2)	98.5
Efficiency-Part Load 30% NCV: (3)	108.1
stand-by Heat Loss % : (*)	0.11

BURNER TYPE PRE MX

Std Fuel Available	Natural Gas
Fuel Consumption M ³ /h	64.6 (max)
Flame protection	Ionisation
Ignition	Electronic
Gas connection size BSP	2" (F)
Acoustic level dB (A) at 1 metre (**)	56
NOx (Dry, 0% O ₂) Mg/KWh	26
Min/Max Gas pressure mbar	17 - 30

CONCENTRIC FLUE/AIR INLET

Flue diameter mm I/D	250
Air inlet diameter mm I/D	250
Residual fan duty Pa	150
Mass flue gas flow rate kg/hr	205 - 1026
Flue gas temperature @ 80/60°C	30 - 80

CONTROLS/OPTIONS

STANDARD - On/Off 0-10v dc, Open Therm High limit protection Low water protection Volt free common alarm Manual override Modulating (20 - 100%, avg.) Safety interlocks Hours run indication Boiler run indication	OPTIONS - Optimising/Compensators for multiple and single boilers Gas leak detection option fitted to gas valve Water Press Switch - for system pressure Second return 65mm Flanged 80mm PN16 Air Inlet Filter connects to boiler air supply
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HYDRAULICS

Water Content ltrs	104
Resistance @ 11°C mbar	435
Resistance @ 20°C mbar	130
Nom Flow Rate @ 11°C l/s	13.07
Nom Flow Rate @ 20°C l/s	7.19
Min flow Rate m ³ /h	7.8
Condensate Outlet mm I/D	32
Connection size flanged (#)	NW 80
Std operating temp °C	20 - 90
Max operating temp °C	90
High limit set point °C	110
Max operating pressure bar	7
Min operating pressure bar	0.8

ELECTRICAL

Power supply	230v - 1ph - 50hz
Power consumption W	7 - 723
Modulating input V dc	0 - 10
Start current amps	4
Fuse rating amps	10
Controls voltage	24 (max)
Insulation class IP	X1B
Run current amps	1.4

(1) In accordance with the Non Domestic Building Services Compliance Guide 2013 Edition-For use in England

(2) @ 80/60 oC Nett (EN 92/42)

(3) @ 30 oC Nett (EN 92/42)

(*) (EN15420) @ 30 °C T = Boiler temperature - ambient temperature (without heat exchanger insulation kit)

(**) Maximum for room sealed operation

(#) Flow 80mm return 65mm both flanged NW 80 DIN 2576 - (PN16)