

# GAS 610 ECO PRO 860

TECHNICAL SPECIFICATION SHEET

August 2019

This is a quick reference specification sheet, full details can be found in the Gas 610 Eco Pro installation and service guide via [remeha.co.uk/documents](http://remeha.co.uk/documents).

## OVERVIEW

MODEL : Gas 610 Eco Pro 860	
Rated Output kW (80/60°C)	123 - 790
Rated Output kW (50/30°C)	850
Weight (dry) kgs	837
Overall Dim W x D x H mm	1460 x 1862 x 1726
SBEM Seasonal Efficiency % GCV	96.33
Efficiency-Full Load 100% NCV: (²)	98.2
Efficiency-Part Load 30% NCV: (³)	108.8
stand-by Heat Loss % : (*)	0.15

## BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M³/h	85 (max)
Flame protection	Ionisation
Ignition	Electronic
Gas connection size BSP	2 x 2" (F)
Acoustic level dB (A) at 1 metre (**)	58
NOx (Dry, 0% O2) Mg/KWh	32
Min/Max Gas pressure mbar	17 - 100 NG

## FLUE/AIR INLET

Flue diameter mm I/D	350
Air inlet diameter mm I/D	250 x 2
Residual fan duty Pa	130
Mass flue gas flow rate kg/hr	276 - 1352
Flue gas temperature @ 80/60°C	30 - 80

## CONTROLS/OPTIONS

<b>STANDARD -</b> On/Off 0-10v dc, Open Therm High limit protection Volt free common alarm Manual override Modulating (10-100%) Safety interlocks Hours run indication Boiler run indication	<b>OPTIONAL -</b> Optimising/Compensators for multiple and single boilers Gas leak detection option fitted to gas valve Second return 65mm Flanged 80mm PN16 Water Pressure Switch for system pressure Air Inlet Filter connects to boiler air supply Two into one inlet manifold option
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## HYDRAULICS

Water Content ltrs	71 (per module)
Resistance @ 11°C mbar	397 (per module)
Resistance @ 20°C mbar	120 (per module)
Nom Flow Rate @ 11°C l/s	8.59 (per module)
Nom Flow Rate @ 20°C l/s	4.72 (per module)
Min flow Rate m³/h	5.1 (per module)
Condensate Outlet mm I/D	32 x 2
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	2 x 230v - 1ph - 50hz
Power consumption W	12 - 852
Modulating input V dc	0 - 10
Start current amps	NA
Fuse rating amps	2 x 10
Controls voltage	2 x 24 (max)
Insulation class IP	X1B
Run current amps	NA

(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)

In accordance with EU 813 & 814 / 2013 Eco design regulations

(\*) Maximum for room sealed operation

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

GAR (EU) 2016/426 EN: 15502-1 & EN: 15502-2-1

BED 92/42/EEC EN: 15502-1 & EN: 15502-2-1

EMC 2014/30/EU

LVD 2014/35/EU

ErP 2009/125/EC