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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.

GAS 610 ECO PRO 1000

TECHNICAL SPECIFICATION SHEET

August 2019

OVERVIEW

MODEL : Gas 610 Eco Pro 1000	
Rated Output kW (80/60°c)	122 - 922
Rated Output kW (50/30°c)	994
Weight (dry) kgs	957
Overall Dim WxDxH mm	1460 x 2172 x 1726
SBEM Seasonal Efficiency % GCV	96.09
Efficiency-Full Load 100% NCV: (2)	98.3
Efficiency-Part Load 30% NCV: (3)	108.6
stand-by Heat Loss % : (*)	0.13

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M^3/h	99.2 (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	29
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	320 - 1578
Flue gas temperature @ 80/60°C	30 - 80

CONTROLS/OPTIONS

STANDARD -
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

OPTIONAL -
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

HYDRAULICS

Water Content ltrs	82 (per module)
Resistance @ 11°C mbar	364 (per module)
Resistance @ 20°C mbar	110 (per module)
Nom Flow Rate @ 11°C l/s	10.03 (per module)
Nom Flow Rate @ 20°C l/s	5.51 (per module)
Min flow Rate m3/h	5.90 (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 - 1086
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