

GAS 210ECO PRO 80

TECHNICAL SPECIFICATION SHEET

August 2017

This is a quick reference specification sheet, full details can be found in the Gas 210 Eco Pro installation/service guide via remeha.co.uk/documents.

OVERVIEW

MODEL : Gas 210 Eco Pro 80	
Rated Output kW (80/60°C)	16 - 87
Rated Output kW (50/30°C)	18 - 93
Weight (dry) kgs	115
Overall Dim WxHxD mm	1190x1309x450
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	95.80
Efficiency -Full Load 100%: NCV ⁽⁴⁾	97.43
Efficiency -Part Load 30%: NCV ⁽⁴⁾	108.6
Stand-by Heat Loss kW :	0.21

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M ³ /h	9.4 NG max
Fuel Consumption M ³ /h	3.6 LPG max
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	< 59
Optional Fuel	Propane
LGP adjustment (*)	
Gas Connection size BSP	1 1/4" (M)
Min/Max Gas pressure mbar	17 - 25 NG
Min/Max Gas pressure mbar	37 - 50 LPG
NOx (dry, 0% O ₂) EN483 EN 15420	33

CONCENTRIC FLUE/AIR INLET (#)

Flue diameter mm I/D	150
Air inlet diameter mm I/D	150
Mass flue gas flow rate kg/hr	27 - 150
Maximum counter pressure PA	130

CONTROLS/OPTIONS

STANDARD - On/Off, 0-10v dc, v, Open Therm Volt free common alarm High limit protection Boiler run indication Manual override Modulating (120 - 100%, avg.) Safety interlock Hours run indication Low water protection	OPTIONS - Optimising / Compensator for multiple and single boiler control Flue Sensor fits to boiler flue test point Outside sensor for simple weather compensation Flue Damper Kit for multiple boiler installation Optional Second return 1 1/4" Bsp (M) Low level return option 1 1/4" Bsp (M) System pressure sensor
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ERP ECO DESIGN

Useful Efficiency -Full Load (GCV)% (°)	87.7
Useful Efficiency -Part Load (GCV)% (°)	97.7
Sound Power Levels L _{wa} Indoors dB	67

HYDRAULICS

Water contents ltrs	12
Resistance @ 11°C mbar	545
Resistance @ 20°C mbar	165
Nom Flow Rate @ 11° C l/s	1.89
Nom Flow Rate @ 20° C l/s	1.04
Min Flow Rate l/hr	1120
Condensate Connection mm	32 OD
Connection Size " BSP	1 1/4" (M)
Std Operating Temp °C	20 - 90
Max Operating Temp °C	90
High Limit Set Point °C	110
Max operating pressure bar	6
Min operating pressure bar	0.8

ELECTRICAL

Power Supply	230v - 1 ph - 50hz
Power Consumption W	4 - 125
Modulating input V dc	0 - 10
Fuse Rating amps	6.3
Controls Voltage	24 (max 4va)
Insulation Class IP	20

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

(2) In accordance with EU 811 & 812 / 2013 Energy Labeling Regulations

(3) @ 80/60 °C Nett [EN 92/42]

(4) @ 50/30 °C Nett [EN 92/42]

(*) (Approx) @ 45°C T = boiler temperature - ambient

(**) See installation and service guide

Supplied as standard for conventional flue, option for room sealed available.