

GAS 210 ECO PRO 160

TECHNICAL SPECIFICATION SHEET

June 2019

This is a quick reference specification sheet, full details can be found in the Gas 210 Eco Pro installation/service manual v05 via

www.remeha.co.uk/product-documents/literature

OVERVIEW

MODEL : Gas 210 Eco Pro 160	CE PIN 0085BS0132
Rated Output kW (80/60°C)	166
Rated Output kW (50/30°C)	179
Weight (dry) kgs	165
Overall Dim WxHxD mm	1190x1309x450
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	95.50
Efficiency -Full Load 100%: NCV ⁽⁴⁾	97.54
Efficiency -Part Load 30%: NCV ⁽⁴⁾	108.3
Stand-by Heat Loss kW :	0.21

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M ³ /h	18 NG max
Fuel Consumption M ³ /h	7.0 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) NCV EN15502	38

CONCENTRIC FLUE/AIR INLET

Flue diameter mm I/D	150
Air inlet diameter mm I/D	150
Mass flue gas flow rate kg/hr	39 - 287
Maximum counter pressure PA	130

CONTROLS/OPTIONS

STANDARD - On/Off, 0-10v dc, Open Therm Volt free common alarm High limit protection Boiler run indication Manual override Safety interlock Hours run indication	OPTIONS - Optimising/Compensators for multiple and single boiler control Flue Sensor Outside sensor Flue Damper Kit for multiple boiler installation
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ERP ECO DESIGN

Useful Efficiency -Full Load (GCV)% ⁽²⁾	87.8
Useful Efficiency -Part Load (GCV)% ⁽²⁾	97.3
Sound Power Levels L _{wa} Indoors dB	67

HYDRAULICS

Water contents ltrs	20
Resistance @ 11°C mbar	562
Resistance @ 20°C mbar	170
Nom Flow Rate @ 11° C l/s	3.61
Nom Flow Rate @ 20° C l/s	1.99
Min Flow Rate l/hr	2142
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 - 1ph - 50hz
Power Consumption W	4 - 206
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]

See installation and service guide

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

GAR (EU) 2016/426

BED 92/42/EEC

EMC 2014/30/EU

LVD 2014/35/EU

ErP 2009/125/EC