

GAS 210ECO PRO 160

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 160 | |
| Rated Output kW (80/60°C) | 29 - 166 |
| Rated Output kW (50/30°C) | 33 - 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⁾ | 108.1 |
| 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) EN483 EN 15420 | 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 Modulating (20 - 100%, avg.) Safety interlock Hours run indication Low water protection | OPTIONS - Optimising/Compensators 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 |
|--|---|

ERP ECO DESIGN

| | |
|---|------|
| Useful Efficiency -Full Load (GCV)% (°) | 87.8 |
| Useful Efficiency -Part Load (GCV)% (°) | 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 - 1 ph - 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)

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

(**) See installation and service guide

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