

# Gas 620<sup>+</sup> 1150

## TECHNICAL SPECIFICATION SHEET

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This is a quick reference specification sheet, full details can be found in the Gas 320 / 620 ACE installation/service guide via [remeha.co.uk/documents](http://remeha.co.uk/documents).

### OVERVIEW

|                                      |                    |
|--------------------------------------|--------------------|
| MODEL : Gas 620 - 1150               | CE: 0063CU3937     |
| Rated Output kW (80/60°C)            | 148.1 - 1060.8     |
| Rated Output kW (50/30°C)            | 1147               |
| Weight (dry) kgs (without packaging) | 1029               |
| Overall Dim W x H x D                | 1442 x 1550 x 2172 |
| No of sections:                      | 2 X 9              |
| SBEM - Efficiency GCV (1)            | 95.89              |
| Efficiency Full Load 100%: NCV       | 98.4               |
| Efficiency Part Load 30%: NCV        | 108.3              |
| Stand-by Heat Loss W * :             | 1044               |

### BURNER TYPE PRE MIX

|                                   |                   |
|-----------------------------------|-------------------|
| Std Fuel Available                | Natural Gas       |
| Fuel Consumption M3/h             | 114.1 NG max G20  |
| Fuel Consumption M3/h LPG         | Not Available     |
| Flame Protection                  | Ionisation        |
| Ignition                          | Electronic        |
| Noise level dB(A) at 1 metre LpA  | 57.8              |
| Optional Fuel                     | Not Available     |
| LGP adjustment                    | Not Available     |
| Gas Connection size BSP           | 2" (M) per module |
| Min/Max Gas pressure mbar         | 17 - 25           |
| NOx annual emissions EN15502***** | 46 mg/kWh         |
| NOx annual emissions BREEAM*****  | 18 mg/kWh         |

### FLUE/AIR INLET

|                               |               |
|-------------------------------|---------------|
| Flue diameter mm I/D          | 350           |
| Air inlet diameter mm I/D**** | 250 / 350**** |
| Mass flue gas flow rate kg/hr | 258 - 1815    |
| Flue gas temperature °C       | 30 - 66       |
| Maximum counter pressure PA   | 150           |

### CONTROLS/OPTIONS

|  |
|--|
| Standard Controls:<br>SCB-01 provides two volt free contacts for status notification, 0-10v connection for PWM system pump.<br>SCB-02 provides functionality for a DHW and central heating zone.<br>Gateway GTW-22 provides functionality to connect a boiler to an app via bluetooth. |
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### ERP DATA - ECO DESIGN

|                                      |                    |
|--------------------------------------|--------------------|
| Useful Efficiency - Full Load (GCV)% | NA Above 400kW ErP |
| Useful Efficiency - Part Load (GCV)% | NA Above 400kW ErP |
| Sound Power Levels Lwa Indoors dB    | NA Above 400kW ErP |

### HYDRAULICS

|                            |                          |
|----------------------------|--------------------------|
| Water Content Litres       | 93 per module            |
| Resistance @ 11°C mbar     | 413 (41.3kPA) per module |
| Resistance @ 20°C mbar     | 125 (12.5kPA) per module |
| Nom Flow Rate @ 11°C l/s   | 11.5 per module          |
| Nom Flow Rate @ 20°C l/s   | 6.3 per module           |
| Condensate Connection      | 32mm per module          |
| Flow Connection PN10       | DN80 Flanged per module  |
| Return Connection PN10**   | DN80 Flanged per module  |
| 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 | 1                        |
| Sealed System Only.        |                          |

### ELECTRICAL

|                          |                       |
|--------------------------|-----------------------|
| Power Supply             | 230v - 1ph - 50hz X 2 |
| Power Consumption W      | 20 - 1536             |
| Fuse Rating amps ( Main) | 10 AT per module      |
| Fuse Rating CB-01        | 6.3 AT per module     |
| Fuse Rating CU-GH        | 1.6 AT per module     |
| Controls Voltage         | 24 (max 4va)          |
| Insulation Class IP      | X1                    |

(1) In accordance with the Non Domestic Building Services Compliance Guide 2013 Edition-For use in England. \* With optional Insulation Kit.

\*\* Important The return flange connection is DN80 however, the inner bore of the return flange is DN65. If fitting a butterfly valve or similar please ensure a spool piece is first fitted to avoid the valve fouling the inner bore of the DN65 bore of the return flange.

\*\*\* Important When operating above the 25K dT (Parameters GP021) the boiler will restrict the maximum operating temperature to 80 deg C.

\*\*\*\* 350mm air inlet supplied as standard.

\*\*\*\*\* NOx emissions with standard factory settings G20 EN15502

\*\*\*\*\* NOx emissions set to BREEAM settings at commissioning G20 EN15502.