

# Gas 620<sup>+</sup> 1000

## 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 - 1000	CE: 0063CU3937
Rated Output kW (80/60°C)	122.3 - 922.1
Rated Output kW (50/30°C)	994.3
Weight (dry) kgs (without packaging)	961
Overall Dim W x H x D	1442 x1550 x 2172
No of sections:	2 X 8
SBEM - Efficiency GCV (1)	96.05
Efficiency Full Load 100%: NCV	98.3
Efficiency Part Load 30%: NCV	108.6
Stand-by Heat Loss W * :	1016

### BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M3/h	99.3 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*****	45 mg/kWh
NOx annual emissions BREEAM*****	17 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	214 - 1579
Flue gas temperature °C	30 - 63
Maximum counter pressure PA	150

### CONTROLS/OPTIONS

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

### 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	82 per module
Resistance @ 11°C mbar	364 (36.4kPA)per module
Resistance @ 20°C mbar	110 (11kPA) per module
Nom Flow Rate @ 11°C l/s	9.9 per module
Nom Flow Rate @ 20°C l/s	5.5 per module
Condensate Connection	32mm per module
Flow Connection PN 10	DN80 flanged per module
Return Connection PN 10 **	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 - 1152
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 GPO21) 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.