

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).

# Gas 620<sup>+</sup> 860

TECHNICAL  
SPECIFICATION  
SHEET

October 2020

## OVERVIEW

MODEL : Gas 620 - 860	CE: 0063CU3937
Rated Output kW (80/60°C)	122.6 - 789.5
Rated Output kW (50/30°C)	849
Weight (dry) kgs	841
Overall Dim W x H x D	1442 X 1550 x 1862
No of sections:	2 X 7
SBEM - Efficiency GCV	96.09
Efficiency Full Load 100%: NCV	98.2
Efficiency Part Load 30%: NCV	108.8
Stand-by Heat Loss W* :	986

## BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M <sup>3</sup> /h	85.1 NG max
Fuel Consumption M <sup>3</sup> /h	Not Available
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	67.8
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*****	44 mg/kWh
NOx annual emissions BREEAM*****	16 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	216 - 1354
Flue gas temperature °C	30 - 64
Maximum counter pressure PA	130

## CONTROLS/OPTIONS

<p>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.</p>	
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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	71 per module
Resistance @ 11°C mbar	397 (39.7Kpa) per module
Resistance @ 20°C mbar	120 (12Kpa) per module
Nom Flow Rate @ 11° C l/s	8.5 per module
Nom Flow Rate @ 20° C l/s	4.7 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 - 900
Fuse Rating amps ( Main)	10 AT X 2
Fuse Rating CB-01	6.4 AT X 2
Fuse Rating CU-GH	1.6 AT X 2
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.