

Gas 620⁺ 710

TECHNICAL SPECIFICATION SHEET

December 2020

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.

OVERVIEW

MODEL : Gas 620 - 710	CE: 0063CU3937
Rated Output kW (80/60°C)	86.7 - 656.3
Rated Output kW (50/30°C)	700.6
Weight (dry) kgs	775
Dims mm: W X H X D	1442 x 1550 x 1862
No of sections:	2 X 6
SBEM - Efficiency GCV	96.23
Efficiency Full Load 100%: NCV(4)	98.1
Efficiency Part Load 30%: NCV(5)	109.0
Stand-by Heat Loss W * :	958

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M3/h	70.5 NG max
Fuel Consumption M3/h LPG	Not Available
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	64.2
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*****	43 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	153 - 1121
Flue gas temperature °C	30 - 61
Maximum counter pressure PA	120

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.
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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	60 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	7.1 per module
Nom Flow Rate @ 20°C l/s	3.9 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	18 - 690
Fuse Rating amps (Main)	10 AT X 2
Fuse Rating CB-01	6.3 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.