

Gas 320⁺ 285

TECHNICAL SPECIFICATION SHEET

March 2021

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 320 - 285	CE: 0063CU3937
Rated Output kW (80/60°C)	51.1 - 260.7
Rated Output kW (50/30°C)	278.8
Weight (dry) kgs (without packaging)	366
Overall Dim WxHxD mm	707 x1550 x 1862
No of sections:	5
SBEM - Efficiency GCV (1)	96.48
Efficiency Full Load 100%: NCV	98.0
Efficiency Part Load 30%: NCV	109.2
Stand-by Heat Loss W *:	464

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M3/h	28.1 NG max G20
Fuel Consumption M3/h LPG	Not Available
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre LpA	55.7
Optional Fuel	Not Available
Gas Connection size BSP	2" (M)
Min/Max Gas pressure mbar	17 - 25
NOx annual emissions EN15502****	43 mg/kWh
NOx annual emissions BREEAM*****	15 mg/kWh

FLUE / AIR INLET

Flue diameter mm I/D	250
Air inlet diameter mm I/D	250
Mass flue gas flow rate kg/hr	91 - 448
Flue gas temperature °C	30-60
Maximum counter pressure PA	130

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)%	88.3
Useful Efficiency - Part Load (GCV)%	98.4
Sound Power Levels Lwa Indoors dB	72

HYDRAULICS

Water contents ltrs	49
Resistance @ 11°C mbar	374 (37.4kPA)
Resistance @ 20°C mbar	113 (11.3kPA)
Nom Flow Rate @ 11°C l/s	5.6
Nom Flow Rate @ 20°C l/s	3.1
Condensate Connection	32mm
Flow Connection PN10	DN80 Flanged
Return Connection PN10**	DN80 Flanged **
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
Power Consumption W	10 - 280
Fuse Rating amps (Main)	10 AT
Fuse Rating CB01	6.3AT
Fuse Rating CU-GH	1.6AT
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 flanged 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 DN65 mm bore of the return flange.

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

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

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