

Gas 320⁺ 355

TECHNICAL SPECIFICATION SHEET

October 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 320 - 355 | CE:0063CU3937 |
| Rated Output kW (80/60°C) | 64.8 - 326.7 |
| Rated Output kW (50/30°C) | 350.3 |
| Weight (dry) kgs | 400 |
| Overall Dim W x H x D mm | 707 x 1550 x 1862 |
| No of sections: | 6 |
| SBEM - Efficiency GCV | 96.23 |
| Efficiency Full Load 100%: NCV | 98.1 |
| Efficiency Part Load 30%: NCV | 109.0 |
| Stand-by Heat Loss W*: | 479 |

BURNER TYPE PRE MIX

| | |
|--|---------------|
| Std Fuel Available | Natural Gas |
| Fuel Consumption M ³ /h | 35.2 NG max |
| Fuel Consumption M ³ /h LPG | Not Available |
| Flame Protection | Ionisation |
| Ignition | Electronic |
| Noise level dB(A) at 1 metre | 61.2 |
| Optional Fuel | Not Available |
| LGP adjustment | 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***** | 16 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 | 115 - 561 |
| 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.

ERP DATA - ECO DESIGN

| | |
|--------------------------------------|------|
| Useful Efficiency - Full Load (GCV)% | 88.4 |
| Useful Efficiency - Part Load (GCV)% | 98.2 |
| Sound Power Levels Lwa Indoors dB | 78 |
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| | |

HYDRAULICS

| | |
|----------------------------|---------------|
| Water contents ltrs | 60 |
| Resistance @ 11°C mbar | 364 (36.4Kpa) |
| Resistance @ 20°C mbar | 110 (11Kpa) |
| Nom Flow Rate @ 11° C l/s | 7.1 |
| Nom Flow Rate @ 20° C l/s | 3.9 |
| Condensate Connection | 32mm |
| Flow Connection PN10 | DN80 |
| Return Connection PN10** | DN80** |
| 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 - 345 |
| Fuse Rating amps (Main) | 10 AT |
| Fuse Rating CB-01 | 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 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.

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

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