

# Gas 210 Ace 120

## technical data sheet.

Date: September 2023

This is a quick reference technical data sheet, full details can be found within the Gas 210 Ace installation and user manual 7837114 - v.01 - 10012023 via [remeha.co.uk](http://remeha.co.uk)

Overview	
<b>MODEL:</b>	CE ID No: PIN 0063DO3332
Rated Output (80/60°C)	22 - 120kW (min/max)
Rated Output (50/30°C)	24 - 129kW (min/max)
Weight (dry) (without packaging)	135 kgs
Overall Dim WxHxD	1190 x 1368 x 450mm
No of sections:	4
SBEM Seasonal Efficiency %: GCV <sup>(1)</sup>	95.66 %
Efficiency - Full Load 100%: NCV <sup>(4)</sup>	97.5 %
Efficiency - Part Load 30%: NCV <sup>(5)</sup>	108.1 %
Stand-by Heat Loss:	0.21kW

Burner type pre mix	
Standard Fuel Available	Natural Gas
Fuel Consumption (max) NG	13.0 m <sup>3</sup> /h
Fuel Consumption (max) LPG	4.8 m <sup>3</sup> /h
Flame Protection	Ionisation
Ignition	Electronic
Acoustic level at 1 metre	59 dB(A)
Optional Fuel (*)	LPG
Gas Connection size BSP	1 1/4" (M)
Min/Max Gas pressure - NG	17 - 25 mbar
Min/Max Gas pressure - LPG	37 - 50 mbar
NOx Annual Emissions EN15502 - NG	49 mg/kWh

Concentric flue/air inlet	
Flue diameter I/D	150mm
Air inlet diameter I/D	150mm
Mass flue gas flow rate	37 - 197 kg/h (min/max)
Flue gas temperature	30-64 °C
Maximum counter pressure	130 Pa

**Standard –**  
 – On/Off, 0-10v dc, Open Therm, R-Bus  
 – High limit protection and low water protection  
 – Volt free common alarm and boiler run indication  
 – Manual Override  
 – Safety Interlocks  
 – Hours run indication  
 – Flue - conventional connection (\*\*)(#)  
 – Water pressure sensor  
 – Flue Sensor fits to boiler flue test point

**Optional –**  
 – Optimising compensator for single and multiple boilers  
 – Low loss headers  
 – Outside sensor for simple weather compensation  
 – Flue Damper Kit for multiple boiler installation  
 – Optional second return 1 1/4" BSP (M)  
 – Optional low level return 1 1/4" BSP (M)

Erp Data: Eco Design	
Seasonal Space Efficiency % <sup>(2)</sup>	N/A
Energy Efficiency Class <sup>(2)</sup>	N/A
Sound Power Levels Lwa	67 dB(A)
Annual Energy Consumption	N/A
Useful Efficiency - Full Load (GCV)% <sup>(3)</sup>	87.8 %
Useful Efficiency - Part Load (GCV)% <sup>(3)</sup>	97.5 %

Hydraulics	
Water contents	16 ltrs
Resistance @ 110C	449 mbar
Resistance @ 20°C	135 mbar
Nominal Flow Rate @ 11°C	2.61 l/s
Nominal Flow Rate @ 20°C	1.43 l/s
Condensate Connection	32mm
Flow Connection Size BSP	1 1/4" (M)
Return Connection Size BSP	1 1/4" (M)
Standard Operating Temp.	20-90 °C
Maximum Operating Temp.	90 °C
High Limit Set Point	110 °C
Maximum operating pressure	6 bar
Minimum operating pressure	0.8 bar

Electrical	
Power Supply	230v - 1ph - 50hz
Power Consumption	28 - 167 W (min/max)
Modulating input	0-10v dc
Fuse Rating	6.3 amps
Controls Voltage	24v (max 4va)
Insulation Class IP	IPX1 (IP20 when B23p Flue)

1) In accordance with the Non Domestic Building Services Compliance Guide 2013 Edition- For use in England  
 (2) In accordance with EU 811 & 812 / 2013 Energy Labeling Regulations  
 (3) In accordance with EU 813 & 814 / 2013 Eco Design Regulations  
 (4) @ 80/60 °C Nett (EN 92/42)  
 (5) @ 50/30 °C Nett (EN 92/42)

(\*) See installation and service manual  
 (\*\*) C13, C33, C53, C63 and C93 flue options also available for room sealed operation

GAR (EU) 2016/426  
 BED 92/42/EEC  
 EMC 2014/30/EU  
 LVD 2014/35/EU  
 ErP 2009/125/EC