

# Gas 220<sup>+</sup> Ace - 200

## TECHNICAL SPECIFICATION SHEET

September 2017

This is a quick reference specification sheet, full details can be found in the Gas 220 Ace installation/service manual via remeha.co.uk

## OVERVIEW

MODEL : GAS 220 ACE - 200	CE PIN 0063CQ3781
Rated Output kW (80/60°C)	194.4
Rated Output kW (50/30°C)	209.8
Weight (dry incl Packaging) kg	275
Overall Dim WxHxD mm	800x1662x657
No of sections : One piece casting	Cast Aluminum Monoblock
SBEM Seasonal Efficiency %: GCV <sup>(1)</sup>	95.5
Efficiency - Full Load 100%: NCV <sup>(4)</sup>	97.2
Efficiency - Part Load 30%: NCV <sup>(5)</sup>	108.0
Stand-by Heat Loss kW :	0.267

## BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M <sup>3</sup> /h	21.2 NG max
Fuel Consumption M <sup>3</sup> /h	8.2 LPG max
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	59.7
Optional Fuel	Propane
LGP adjustment (*)	
Gas Connection size BSP	1 1/2" (M)
Min/Max Gas pressure mbar	17-25 NG
Min/Max Gas pressure mbar	37-50 LPG
NOx (dry, 0% O <sub>2</sub> ) EN483 EN 15420	40 Mg/kWh

## FLUE/AIR INLET

Flue diameter mm I/D	200
Air inlet diameter mm I/D	200
Mass flue gas flow rate kg/hr	71 - 355
Flue gas temperature °C	29 - 63
Maximum counter pressure PA	150

## CONTROLS/OPTIONS

<b>STANDARD</b> - On/Off, 0-10v dc, Open Therm High limit protection and low water protection Volt free common alarm and boiler run indication Manual override Safety Interlocks Hours run indication	<b>OPTIONAL</b> - Optimising compensators for single and multiple boilers Cascade kits - multiple boiler pipework kits Low loss headers Outside sensor for simple weather compensation
---	---

## ERP DATA ENERGY LABEL

Seasonal Space Efficiency % <sup>(2)</sup>	NA
Energy Efficiency Class <sup>(2)</sup>	NA
Sound Power Levels Lwa Indoors dB	68
Useful Efficiency - Full Load (GCV)% <sup>(3)</sup>	87.6
Useful Efficiency - Part Load (GCV)% <sup>(3)</sup>	97.3
NOx (Dry, 0% O <sub>2</sub> ) Mg/kWh <sup>+</sup>	40

## HYDRAULICS

Water contents ltrs	33
Resistance @ 20°C mbar	100
Nom Flow Rate @ 20° C l/s	2.31
Condensate Connection	40mm OD
Connection Size " BSP	2"(M)
Std Operating Temp °C	20-90
Max Operating Temp °C	90
High Limit Set Point °C	110
Max operating pressure bar	5
Min operating pressure bar	0.8

## ELECTRICAL

Power Supply	230v - 1 ph - 50hz
Power Consumption W	11 - 204
Modulating input V dc	0-10
Fuse Rating amps	6.3
Insulation Class IP	IPX1B

(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 (92/42)

(\*) See installation and service manual