

Gas 220⁺ Ace - 300

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 - 300	CE PIN 0063CQ3781
Rated Output kW (80/60°C)	290.9
Rated Output kW (50/30°C)	310.7
Weight (dry incl Packaging) kg	275
Overall Dim WxHxD mm	800x1662x657
No of sections : One piece casting	Cast Aluminum Monoblock
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	95.8
Efficiency - Full Load 100%: NCV ⁽⁴⁾	97.3
Efficiency - Part Load 30%: NCV ⁽⁵⁾	108.4
Stand-by Heat Loss kW :	0.267

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M ³ /h	31.6 NG max
Fuel Consumption M ³ /h	12.2 LPG max
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	63.8
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 ₂) EN483 EN 15420	35 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	107 - 531
Flue gas temperature °C	31 - 64
Maximum counter pressure PA	150

CONTROLS/OPTIONS

<p>STANDARD -</p> <ul style="list-style-type: none"> 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 	<p>OPTIONAL - Optimising compensators for single and multiple boilers</p> <ul style="list-style-type: none"> Cascade kits - multiple boiler pipework kits Low loss headers Outside sensor for simple weather compensation
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ERP DATA ENERGY LABEL

Seasonal Space Efficiency % ⁽²⁾	NA
Energy Efficiency Class ⁽²⁾	NA
Sound Power Levels Lwa Indoors dB	72
Useful Efficiency - Full Load (GCV)% ⁽³⁾	87.7
Useful Efficiency - Part Load (GCV)% ⁽³⁾	97.7
NOx (Dry, 0% O ₂) Mg/kWh ^(*)	50

HYDRAULICS

Water contents ltrs	33
Resistance @ 20°C mbar	200
Nom Flow Rate @ 20° C l/s	3.46
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 - 1ph - 50hz
Power Consumption W	9 - 343
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