

QUINTA⁺ ACE 160

TECHNICAL SPECIFICATION SHEET

February 2021

This is a quick reference specification sheet, full details can be found in the Quinta Ace installation/service guide via www.remeha.co.uk/product-documents/literature

OVERVIEW

MODEL : Quinta Ace 160	CE ID No. PIN 0063CQ3781
Rated Output kW (80/60°C)	152.1
Rated Output kW (50/30°C)	161.6
Weight (dry) kgs	147
Overall Dim WxHxD mm	600x1045x602
No of sections :	One piece casting
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	95.90
Efficiency -Full Load 100%: NCV ⁽³⁾	97.5
Efficiency -Part Load 30%: NCV ⁽⁴⁾	108.5
Stand-by Heat Loss kW :	0.191

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M ³ /h	16.5 NG max
Fuel Consumption M ³ /h	6.3 LPG max
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	59.5
Optional Fuel	LPG
LPG adjustment (*)	N/A
Gas Connection size BSP	1" (M)
Min/Max Gas pressure mbar	17 - 25 NG
Min/Max Gas pressure mbar	37 - 50 LPG
NOx (Dry, 0% O ₂) NCV - EN15502	36 Mg/kWh

FLUE/AIR INLET

Flue diameter mm I/D	100
Air inlet diameter mm I/D	150
Mass flue gas flow rate kg/hr	277 (max)
Flue gas temperature °C	32 - 66
Maximum counter pressure PA	200

STANDARD - On/Off, 0-10v dc, Open Therm, High limit protection, Low water protection
Volt free common alarm and boiler run indication
Manual o/ride
Safety Interlocks
Hours run indication

OPTIONAL - Optimising / Compensator
Cascade kits
Low loss headers
Outside sensor
Multiple boiler pipework kits
For simple weather compensation
Pump or valve kits

ERP DATA - ECO DESIGN

Useful Efficiency -Full Load (GCV)% ⁽²⁾	87.8
Useful Efficiency -Part Load (GCV)% ⁽²⁾	97.8
Sound Power Levels L _{wa} Indoors dB	68

HYDRAULICS

Water contents ltrs	17.0
Resistance @ 20°C mbar	170
Nom Flow Rate @ 20° C l/s	1.82
Condensate Connection	32mm
Connection Size " BSP	1 ¹ / ₄ " (M)
Std Operating Temp °C	20 - 90
Max Operating Temp °C	90
High Limit Set Point °C	110
Max operating pressure bar	4
Min operating pressure bar	0.8

ELECTRICAL

Power Supply	230v - 1 ph - 50 hz
PCU Amps	1.6
Power Consumption W	5.3 - 275
Modulating input V dc	0 - 10
Fuse Rating amps	6.3
Controls Voltage	24 (max 4va)
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 813 & 814 / 2013 Eco Design Regulations

(3) @ 80/60 °C Nett (EN 92/42)

(4) @ 30 °C nett (92/42)

(*) See installation and service manual

GAR (EU) 2016/426

BED 92/42/EEC

EMC 2014/30/EU

LVD 2014/35/EU

ErP 2009/125/EC