

QUINTA⁺ ACE 160

TECHNICAL SPECIFICATION SHEET

August 2017

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

OVERVIEW

MODEL : Quinta Ace 160	GC No. N/A
Rated Output kW (80/60°C)	31.5-152.1
Rated Output kW (50/30°C)	34.6-161.6
Weight (dry) kgs	147
Overall Dim WxHxD mm	600x1045x602
No of sections :	One piece casting
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	95.9
Efficiency -Full Load 100%: NCV ⁽⁴⁾	97.5
Efficiency -Part Load 30%: NCV ⁽⁵⁾	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	Electric
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) EN483 EN 15420	36 (*)

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	30 - 66
Maximum counter pressure PA	200

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 @ 11°C mbar	N/A
Resistance @ 20°C mbar	170
Nom Flow Rate @ 11° C l/s	N/A
Nom Flow Rate @ 20° C l/s	1.82
Min Flow Rate m ³ /hr	0.4
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	47 - 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

(**) Open vented option maximum operating temperature 75°C high limit 95°C

(***) For conventional or room sealed operation

STANDARD - On/Off, 0-10v dc, Open Therm
High limit protection
Low water protection
Volt free common alarm and boiler run indication
Manual override
Modulating (18 - 100%, avg.)
Hot water priority facility (3 way valve or pump)
Two Safety Interlocks
Hours run indication

OPTIONAL - Optimising /Compensator
Cascade kits
Low loss headers
Outside sensor
Hot water priority kits
Relay kits for single and multiple controls
Multiple boiler pipework kits
For simple weather compensation
Pump or valve kits

