

Quinta Ace 160

technical data sheet.

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This is a quick reference technical data sheet, full details can be found within the Quinta ACE installation and user manual 7701838 - v.09 - 10122021 via remeha.co.uk

Overview	
MODEL: Quinta ACE 160	CE ID No: PIN 0063CQ3781
Rated Output (80/60°C)	152.1 kW
Rated Output (50/30°C)	161.6 kW
Weight (dry)(without packaging)	147 kgs
Overall Dim WxHxD	600x1045x602 mm
No of Sections	One Piece Casting
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	95.90
Efficiency - Full Load 100%: NCV ⁽⁴⁾	97.5
Efficiency - Part Load 30%: NCV ⁽⁵⁾	108.5
Stand-by Heat Loss:	0.191 kW

Burner type pre mix	
Standard Fuel Available	Natural Gas
Fuel Consumption (max) - NG	16.5 m ³ /h
Fuel Consumption (max) - LP	6.3 m ³ /h
Flame Protection	Ionisation
Ignition	Electronic
Acoustic Level at 1 metre	59.5 dB(A)
Optional Fuel (*)	LPG
Gas Connection Size BSP	1" (M)
Min/Max Gas Pressure - NG	17-25 mbar
Min/Max Gas Pressure - LPG	37-50 mbar
NOx Annual Emissions EN15502 - NG	22 mg/kWh (dry, 0% O ₂) Class 6
NOx BREEAM Annual Emissions - Propane	23 mg/kWh(dry, 0% O ₂) Class 6

Concentric flue/air inlet	
Flue Diameter I/D	100 mm
Air Inlet Diameter I/D	150 mm
Mass Flue Gas Flow Rate	57-277 kg/hr
Flue Gas Temperature	32-66 °C
Maximum Counter Pressure	200 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
 – Hot water priority facility (3 way valve or pump)
 –Two Safety Interlocks
 –Hours run indication
 –Flue - concentric connection (***) (#)

Optional –
 – Optimising compensator for single and multiple boilers
 – Cascade kits - multiple boiler pipework kits
 –Low loss headers
 – Outside sensor for simple weather compensation
 – Hot water priority kits (QA 30 - 115 only) Pump or valve kits
 – Relay kits for single and multiple controls
 230v switching relay required

Erp Data: ^Energy Label / ^^Eco Design	
Seasonal Space Efficiency % ⁽²⁾	N/A
Energy Efficiency Class ⁽²⁾	N/A
Sound Power Levels Lwa	68 dB^ (indoors)
Annual Energy Consumption	N/A
Useful Efficiency - Full Load (GCV)% ⁽³⁾	87.8^
Useful Efficiency - Part Load (GCV)% ⁽³⁾	97.8^

Hydraulics	
Water Contents	17 ltrs
Resistance @ 15°C	302 mbar
Resistance @ 20°C	170 mbar
Nominal Flow Rate @ 15°C	2.43 l/s
Nominal Flow Rate @ 20°C	1.82 l/s
Condensate Connection	32 m ³ /h
Flow Connection Size BSP	1 1/4" OD
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	4 bar
Minimum Operating Pressure	0.8 bar
Minimum Operating Pressure	Not designed for Open Vent

Electrical	
Power Supply	230v - 1ph - 50hz
PCU Amps	1.6
Power Consumption	47-275 W
Modulating Input	0-10 v dc
Fuse Rating	6.3 amps
Controls Voltage	24 v (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 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/EEC)

(*) See installation and service manual
 (**) Open vented option maximum operating temperature 75° C high limit 95° C
 (***) For conventional or room sealed operation
 (#) Flue adaptor available for CLV systems
 GAR (EU) 2016/426
 BED 92/42/EEC
 EMC 2014/30/EU
 LVD 2014/35/EU
 ErP 2009/125/EC