

Quinta Ace 135

technical data sheet.

Date: Jan 2023

This is a quick reference technical data sheet, full details can be found within the Quinta ACE installation and user manual 7684359 - v.07 - 08112021 via remeha.co.uk

Overview	
MODEL: Quinta ACE 135	CE ID No: PIN 0063CQ3781
Rated Output (80/60°C)	128.1 kW
Rated Output (50/30°C)	136.1 kW
Weight (dry) (without packaging)	147 kgs
Overall Dim WxHxD	600x1045x602 mm
No of sections:	One piece casting
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	96.12
Efficiency - Full Load 100%: NCV ⁽⁴⁾	97.8
Efficiency - Part Load 30%: NCV ⁽⁵⁾	108.8
Stand-by Heat Loss:	0.191 kW

Burner type pre mix	
Standard Fuel Available	Natural Gas
Fuel Consumption (max) NG	13.9 m ³ /h
Fuel Consumption (max) LPG	5.3 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	24mg/kWh (dry, 0% O ₂) -Class 6
NOx BREEAM Annual Emissions - NG	23mg/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 - 233 kg/hr
Flue gas temperature	32-63 °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⁾	88.1^
Useful Efficiency - Part Load (GCV)% ⁽³⁾	98.0^

Hydraulics	
Water contents	17 ltrs
Resistance @ 15°C	224 mbar
Resistance @ 20°C	126 mbar
Nominal Flow Rate @ 15°C	2.04 l/s
Nominal Flow Rate @ 20°C	1.53 l/s
Condensate Connection	32" mm
Flow Connection Size BSP	1 1/4"(M)
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	0.0 bar (Open Vent)

Electrical	
Power Supply	230v - 1ph - 50hz
PCU Amps	1.6
Power Consumption	47-199 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/

(*) 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