

Quinta Ace 135

Technical data sheet



BY BAXI

This is a quick reference technical data sheet, full details can be found within the Quinta ACE installation and user manual via www.baxi.co.uk

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Overview		Erp Data:	
Model: Quinta Ace 135	PIN ID No: 0063CQ3781	Seasonal Space Efficiency % ⁽²⁾	N/A
Rated Output (80/60°C)	128.1 kW	Energy Efficiency Class ⁽²⁾	N/A
Rated Output (50/30°C)	136.1 kW	Sound Power Levels Lwa	68 dB [^] (indoors)
Weight (dry) without packaging	123 kgs (without front casing)	Annual Energy Consumption	N/A
Overall Dim WxHxD	600x1045x600 mm	Useful Efficiency - Full Load (GCV)% ⁽³⁾	88.1 [^]
No of sections	One piece casting	Useful Efficiency - Part Load (GCV)% ⁽³⁾	98.0 [^]
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	96.1	Hydraulics	
Efficiency - Full Load 100%: NCV ⁽⁴⁾	97.8	Water contents	17 ltrs
Efficiency - Part Load 30%: NCV ⁽⁵⁾	108.8	Resistance @ 15°C	224 mbar
Stand-by Heat Loss	0.191 kW	Resistance @ 20°C	126 mbar
Burner type pre-mix		Nominal Flow Rate @ 15°C	2.04 l/s
Standard Fuel Available	Natural Gas	Nominal Flow Rate @ 20°C	1.53 l/s
Fuel Consumption (max) NG	13.9 m3/h	Condensate Connection	32mm OD
Fuel Consumption (max) LPG	5.3 m3/h	Flow Connection Size BSP	1 1/4"(M)
Flame Protection	Ionisation	Return Connection Size BSP	1 1/4"(M)
Ignition	Electronic	Standard Operating Temp.	20-90°C
Acoustic level at 1 metre	59.5 dB(A)	Maximum Operating Temp.	90°C
Optional Fuel (*)	Propane	High Limit Set Point	110°C
Gas Connection size BSP	1" (M)	Maximum operating pressure	4 bar
Min/Max Gas pressure - NG	17-25 mbar	Minimum operating pressure	0.8 bar
Min/Max Gas pressure - LPG	37-50 mbar	Minimum operating pressure	N/A (Open Vent)
NOx Annual Emissions - NG BREEAM (EN15502)	24 mg/kWh (dry, 0% O2) - Class 6	Electrical	
Concentric flue/air inlet		Electrical	230v - 1ph - 50hz
Flue diameter I/D (**)	100 mm	Full Load Current (max)	0.83 amps
Air inlet diameter I/D (#)	150 mm	Power Consumption	47 - 199W
Mass flue gas flow rate	57 - 233 kg/hr	Modulating input	0-10 v dc
Flue gas temperature	32 - 63°C	Controls Voltage	0 v
Maximum counter pressure	200 Pa	Insulation Class IP	X4D

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 (**) (#)
- LIN-Bus (Pump protocols)
- Quick connect external sockets

Optional

- Optimising compensator for single and multiple boilers
- Cascade kits - multiple boiler pipework kits
- Low loss headers
- Plate heat exchangers
- Air dirt separators
- ModBus & BACNet communications gateway
- Outside sensor for simple weather compensation
- Hot water priority kits (QA 30 - 115 only)
- Pump and valve kits
- Relay kits for single and multiple controls where a 230v switching relay is required

- 1) In accordance with the Approved Document Part L2 Building Regulations 2021 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 15502-1 & - 2)
(5) @ 50/30°C Nett (EN 15502-1 & - 2)

- (*) See installation and service manual
(**) For conventional or room sealed operation
(#) Flue adaptor available for CLV systems
GAR (EU) 2016/426
BED 92/42/EEC
EMC 2014/30/EU
LYD 2014/35/EU
ErP 2009/125/EC