Quinta Ace S 130

Technical data sheet



BY **BAXI**

Date: September 2025

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

Rated Output (80/60°C) Rated Output (50/30°C) Rated Output (50/30°C) Rated Output (50/30°C) Real Output (50/30	Overview	
Rated Output (50/30°C) Weight (dry) without packaging Overall Dim WxHxD Sousy24x631 mm No of sections One piece casting SEEM Seasonal Efficiency %: GCV(1) SEfficiency - Full Load 100%: NCV(4) SEfficiency - Part Load 30%: NCV(5) Stand-by Heat Loss Output (and by Heat Loss) Standard Fuel Available Fuel Consumption (max) NG Fuel Consumption (max) LPG Stander Protection Spirition Electronic Acoustic level at 1 metre Optional Fuel (*) Fuel Consumetion size BSP I (M) Min/Max Gas pressure - NG Alox Annual Emissions - NG SEEEAM (EN15502) Concentric flue/air inlet Fuel Gas temperature Nass flue gas temperature 130.6 kW 96.2 kgs (without front casing) 96.0 98.1 108.6 108.6 108.6 108.6 13.10 m3/h 13.10 m3/h 13.10 m3/h 14.10 m3/h 17-25 mbar 19 mg/kWh (dry, 0% 02) - Class 6	Model: Quinta Ace S 130	PIN ID No: 0085DP0589
Weight (dry) without packaging 96.2 kgs (without front casing) 500x924x631 mm One piece casting SBEM Seasonal Efficiency %: GCV ⁽¹⁾ 96.0 Efficiency - Full Load 100%: NCV ⁽⁴⁾ 98.1 Efficiency - Part Load 30%: NCV ⁽⁵⁾ 108.6 Stand-by Heat Loss 0.097 kW Burner type pre-mix Standard Fuel Available Fuel Consumption (max) NG Flame Protection Ionisation gnition Electronic Acoustic level at 1 metre 52.6 dB(A) Optional Fuel (*) Propane Sas Connection size BSP 1 (M) Min/Max Gas pressure - NG Alin/Max Gas pressure - LPG Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas flow rate 43.2 - 201.6 kg/hr Flue gas temperature Flue gas temperature	Rated Output (80/60°C)	121.5 kW
Overall Dim WxHxD Diverall Dim WxHxD Sono of sections One piece casting SBEM Seasonal Efficiency %: GCV(1) SEfficiency - Full Load 100%: NCV(4) SEfficiency - Part Load 30%: NCV(5) Stand-by Heat Loss Ought kw Burner type pre-mix Standard Fuel Available Fuel Consumption (max) NG Fuel Consumption (max) LPG Fuel Consumption (max) NG Fuel Consumption (max) LPG Fuel Consumption (max) NG Fuel Consumption (max) N	Rated Output (50/30°C)	130.6 kW
One piece casting SBEM Seasonal Efficiency %: GCV ⁽¹⁾ 96.0 Efficiency - Full Load 100%: NCV ⁽⁴⁾ 98.1 Efficiency - Part Load 30%: NCV ⁽⁵⁾ 108.6 Stand-by Heat Loss 0.097 kW Burner type pre-mix Standard Fuel Available Fuel Consumption (max) NG Flame Protection Ignition Electronic Acoustic level at 1 metre Deptional Fuel (*) Formula Gas Ain/Max Gas pressure - NG Ain/Max Gas pressure - LPG Ain/Max Gas pressure - LPG Ain/Max Gas pressure - LPG Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas temperature Tue gas temperature 700C	Weight (dry) without packaging	•
SBEM Seasonal Efficiency %: GCV ⁽¹⁾ 96.0 Efficiency - Full Load 100%: NCV ⁽⁴⁾ 98.1 Efficiency - Part Load 30%: NCV ⁽⁵⁾ 108.6 Stand-by Heat Loss 0.097 kW Burner type pre-mix Standard Fuel Available Fuel Consumption (max) NG Fuel Consumption (max) LPG Flame Protection Inisation Electronic Acoustic level at 1 metre Deptional Fuel (*) Flame Ain/Max Gas pressure - NG Ain/Max Gas pressure - LPG Alox Annual Emissions - NG BREEAM (EN15502) Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas flow rate Flue gas temperature Flue gas temperature Flue gas temperature 700C	Overall Dim WxHxD	500x924x631 mm
Efficiency - Full Load 100%: NCV ⁽⁴⁾ Efficiency - Part Load 30%: NCV ⁽⁵⁾ 108.6 Stand-by Heat Loss 0.097 kW Burner type pre-mix Standard Fuel Available Fuel Consumption (max) NG Fuel Consumption (max) LPG Flame Protection Indication Electronic Acoustic level at 1 metre Deptional Fuel (*) Fas Connection size BSP 1 (M) Min/Max Gas pressure - NG Min/Max Gas pressure - LPG NOX Annual Emissions - NG SREEAM (EN15502) Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas flow rate Flue gas temperature Flue gas temperature Flue gas temperature 100.097 kW 13.10 m3/h 13.10 m3/h 10.097 kW 10.097 kW 10.097 kW 10.097 kW 11.008 m3/h 11.008 m3/h 12.10 m3/h 13.10 m3/h 14.10 mm 15.10 mm 16.00 mm 16.00 mm	No of sections	One piece casting
Efficiency - Part Load 30%: NCV ⁽⁵⁾ Burner type pre-mix Standard Fuel Available Fuel Consumption (max) NG Fuel Consumption (max) LPG Flame Protection Ignition Acoustic level at 1 metre Deptional Fuel (*) Flass Connection size BSP Fuel Consumption (max) LPG Flass Connection Size BSP Fuel Consumption Flame Protection Initiation Flame Protection Flame Fl	SBEM Seasonal Efficiency %: GCV ⁽¹⁾	96.0
Burner type pre-mix Standard Fuel Available Fuel Consumption (max) NG Fuel Consumption (max) LPG Flame Protection Ignition Acoustic level at 1 metre Deptional Fuel (*) Flass Connection size BSP Ain/Max Gas pressure - NG Ain/Max Gas pressure - LPG Flore Alin/Max Gas pressure - LPG Flore Alin/Max Gas pressure - NG Flore Alin/Max Gas pressure - LPG Flore Alin/Max Gas pressure - NG Flore Gas Connection size BSP Flore Gas Conne	Efficiency - Full Load 100%: NCV ⁽⁴⁾	98.1
Burner type pre-mix Standard Fuel Available Fuel Consumption (max) NG Fuel Consumption (max) LPG Flame Protection Ignition Recoustic level at 1 metre Flame Propane Gas Connection size BSP I (M) Min/Max Gas pressure - NG Ain/Max Gas pressure - LPG Flore Alin/Max Gas pressure - LPG Flore Alin/Max Gas pressure - NG Flue diameter I/D (**) Min/Max Gas flue gas flow rate Flue gas temperature Natural Gas Natural Gas Natural Gas 13.10 m3/h 10 misation Electronic 52.6 dB(A) Propane 1 (M) 17-25 mbar 30-50 mbar 19 mg/kWh (dry, 0% O2) - Class 6 Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas flow rate Flue gas temperature 700C	Efficiency - Part Load 30%: NCV ⁽⁵⁾	108.6
Standard Fuel Available Fuel Consumption (max) NG Fuel Consumption (max) LPG Fuel Consumption (max) NG Fuel Consumption (max) LPG Fuel Consumption (Stand-by Heat Loss	0.097 kW
Fuel Consumption (max) NG Fuel Consumption (max) LPG Fuel Consumption (max) LPG Flame Protection Initial I	Burner type pre-mix	
Fuel Consumption (max) LPG Flame Protection Ionisation Electronic Acoustic level at 1 metre Deptional Fuel (*) Flame Propane Flame Protection Electronic 52.6 dB(A) Propane I (M) Min/Max Gas pressure - NG Ain/Max Gas pressure - LPG NOX Annual Emissions - NG REEAM (EN15502) Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas flow rate 15.06 m3/h 16.06 m3/h 17.25 mbar 17.25 mbar 19 mg/kWh (dry, 0% O2) 19 class 6 19 mg/kWh (dry, 0% O2) 10 mm 110 mm 110 mm 110 mm 110 mm 110 mm	Standard Fuel Available	Natural Gas
Flame Protection gnition Electronic Acoustic level at 1 metre Deptional Fuel (*) Foas Connection size BSP I (M) Min/Max Gas pressure - NG Ain/Max Gas pressure - LPG NOX Annual Emissions - NG BREEAM (EN15502) Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas flow rate Ionisation Electronic 152.6 dB(A) Propane 1 (M) 17-25 mbar 30-50 mbar 19 mg/kWh (dry, 0% O2) - Class 6 19 mg/kWh (dry, 0% O2) - Tolon mm 43.2 - 201.6 kg/hr Flue gas temperature 700C	Fuel Consumption (max) NG	13.10 m3/h
gnition Acoustic level at 1 metre Deptional Fuel (*) From the propose of the p	Fuel Consumption (max) LPG	5.06 m3/h
Acoustic level at 1 metre Acoustic level at 1 metre Deptional Fuel (*) Fropane 1 (M) Min/Max Gas pressure - NG Ain/Max Gas pressure - LPG NOX Annual Emissions - NG REEAM (EN15502) Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas flow rate 12.6 dB(A) Propane 1 (M) 17-25 mbar 30-50 mbar 19 mg/kWh (dry, 0% 02) - Class 6 19 mg/kWh (dry, 0% 02) - The mass flue diameter I/D (**) 110 mm 43.2 - 201.6 kg/hr Flue gas temperature 700C	Flame Protection	lonisation
Deptional Fuel (*) Fropane Gas Connection size BSP 1 (M) 17-25 mbar 17-25 mbar 19 mg/kWh (dry, 0% O2) Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas flow rate 10 Propane 11 (M) 17-25 mbar 19 mg/kWh (dry, 0% O2) - Class 6 19 mg/kWh (dry, 0% O2) - Class 6 10 mm 110 mm 143.2 - 201.6 kg/hr 700C	Ignition	Electronic
Gas Connection size BSP 1 (M) Min/Max Gas pressure - NG Ain/Max Gas pressure - LPG 30-50 mbar 19 mg/kWh (dry, 0% O2) - Class 6 Concentric flue/air inlet Flue diameter I/D (**) Mar inlet diameter I/D (#) Mass flue gas flow rate 10 (M) 17-25 mbar 19 mg/kWh (dry, 0% O2) - Class 6 19 mg/kWh (dry, 0% O2) - Class 6 10 mm 43.2 - 201.6 kg/hr 700C	Acoustic level at 1 metre	52.6 dB(A)
Min/Max Gas pressure - NG Ain/Max Gas pressure - LPG Ain/Max Gas pressure - LPG Alox Annual Emissions - NG BREEAM (EN15502) Concentric flue/air inlet Flue diameter I/D (**) Air inlet diameter I/D (#) Mass flue gas flow rate 117-25 mbar 19 mg/kWh (dry, 0% 02) - Class 6 19 mg/kWh (dry, 0% 02) - 10 mg/kWh (dry, 0	Optional Fuel (*)	Propane
Ain/Max Gas pressure - LPG 30-50 mbar 19 mg/kWh (dry, 0% O2) - Class 6 Concentric flue/air inlet Flue diameter I/D (**) Air inlet diameter I/D (#) Mass flue gas flow rate 10 mm 43.2 - 201.6 kg/hr Flue gas temperature 700C	Gas Connection size BSP	1 (M)
Concentric flue/air inlet Flue diameter I/D (**) Mass flue gas flow rate 19 mg/kWh (dry, 0% O2) - Class 6 19 mg/kWh (dry, 0% O2) - Class 6 110 mm 110 mm 143.2 - 201.6 kg/hr TooC	Min/Max Gas pressure - NG	17-25 mbar
Concentric flue/air inlet Flue diameter I/D (**) Air inlet diameter I/D (#) Mass flue gas flow rate 110 mm 160 mm 43.2 - 201.6 kg/hr Flue gas temperature 700C	Min/Max Gas pressure - LPG	30-50 mbar
Flue diameter I/D (**) Air inlet diameter I/D (#) Mass flue gas flow rate 43.2 - 201.6 kg/hr Flue gas temperature 700C	NOx Annual Emissions - NG BREEAM (EN15502)	
Air inlet diameter I/D (#) Mass flue gas flow rate 43.2 - 201.6 kg/hr Flue gas temperature 70oC	Concentric flue/air inlet	
Mass flue gas flow rate 43.2 - 201.6 kg/hr Flue gas temperature 70oC	Flue diameter I/D (**)	110 mm
Flue gas temperature 70oC	Air inlet diameter I/D (#)	160 mm
	Mass flue gas flow rate	43.2 - 201.6 kg/hr
Waximum counter pressure 180 Pa	Flue gas temperature	70oC
	Maximum counter pressure	180 Pa

Seasonal Space Efficiency %(2)	N/A
Energy Efficiency Class ⁽²⁾	N/A
ound Power Levels Lwa	64 dB [^] (indoors)
Annual Energy Consumption Gj	N/A
Jseful Efficiency - Full Load (GCV)%(3)	88.4^
Jseful Efficiency - Part Load (GCV)%(3)	97.8^
Hydraulics	
Water contents	10 ltrs
Resistance @ 15°C	770 mbar
Resistance @ 20°C	433 mbar
Nominal Flow Rate @ 15°C	1.94 l/s
Nominal Flow Rate @ 20°C	1.45 l/s
Condensate Connection	24mm OD
Flow Connection Size BSP	1 1/2 (M)
Return Connection Size BSP	1 1/2 (M)
Standard Operating Temp.	20-90°C
Maximum Operating Temp.	90°C
High Limit Set Point	110°C
Maximum operating pressure	6 bar
Minimum operating pressure	1 bar
Minimum operating pressure	N/A (Open Vent)
Electrical	
Electrical	230v - 1ph - 50hz
ull Load Current (max)	0.66 amps
Power Consumption	20 - 159 W
Modulating input	0-10 v dc
Controls Voltage-Potential free Contact	0 v
nsulation Class IP	X5D

Standard

On/Off, 0-10v dc, Open Therm, R-Bus High limit protection and low water

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

Quick connect external sockets

Flue concentric connection (**) (#) LIN-Bus (Pump protocols)

Optional

Optimising compensator for single and multiple boilers

Cascade kits multiple boiler pipework kits Low loss headers

Plate heat exchangers

Air dirt separators

Outside sensor for simple weather

compensation

Hot water priority 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

Air dirt separators (4) @ 80/60°C Nett (EN 15502-1 & - 2) ModBus & BACNet communications gateway (5) @ 50/30°C Nett (EN 15502-1 & - 2)

(*) See installation and service manual (**) For conventional or room sealed operation Supplied with 110/160 to 100/150 adaptor (#) Flue adaptor available for CLV systems GAR (EU) 2016/426 BED 92/42/EEC EMC 2014/30/EU LVD 2014/35/FU ErP 2009/125/EC