

QUINTA⁺ ACE 45

TECHNICAL SPECIFICATION SHEET

March 2020

This is a quick reference specification sheet, full details can be found in the Quinta ACE installation/service guide via remeha.co.uk/documents
 Technical Information from Quinta Ace Installation and User Manual NOT7684359 - v06 - 10012019

OVERVIEW

MODEL : Quinta ACE 45	GC No : N/A
Rated Output kW (80/60°C)	40.8
Rated Output kW (50/30°C)	42.4
Weight (dry) kgs	50 (without front panel)
Overall Dim WxHxD mm	500x750x500
No of sections:	One piece casting
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	97.64
Efficiency - Full Load 100%: NCV ⁽⁴⁾	99.1
Efficiency - Part Load 30%: NCV ⁽⁵⁾	110.6
Stand-by Heat Loss kW :	0.101

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M ³ /h	4.4 NG max
Fuel Consumption M ³ /h	1.7 LPG max
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	45.1
Optional Fuel	Propane
LGP adjustment (*)	
Gas Connection size BSP	3/4" (M)
Min/Max Gas pressure mbar	17-25 NG
Min/Max Gas pressure mbar	37-50 LPG
NOx (dry, 0% O ₂) NCV - (EN15502)	33 mg/kWh (Class 6)

CONCENTRIC FLUE/AIR INLET

Flue diameter mm I/D	80
Air inlet diameter mm I/D	125
Mass flue gas flow rate kg/hr	14-69
Flue gas temperature °C	30-67
Maximum counter pressure PA	150

CONTROLS/OPTIONS

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 compensators for single and multiple boilers Cascade kits - multiple boiler pipework kits Low loss headers Outside sensor fir simple weather compensation Hot water priority kits - pump or valve kits Relay kits for single and multiple controls - 230v switching relay
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ERP DATA ENERGY LABEL

Seasonal Space Efficiency % ⁽²⁾	94
Energy Efficiency Class ⁽²⁾	A
Sound Power Levels Lwa Indoors dB	53
Annual Energy Consumption GJ	125
Useful Efficiency - Full Load (GCV)% ⁽³⁾	89.3
Useful Efficiency - Part Load (GCV)% ⁽³⁾	99.6

HYDRAULICS

Water contents ltrs	4.3
Resistance @ 11°C mbar	377
Resistance @ 20°C mbar	114
Nom Flow Rate @ 11° C l/s	0.89
Nom Flow Rate @ 20° C l/s	0.49
Min Flow Rate m ³ /hr	0.4
Condensate Connection	3/4" OD
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
Min operating pressure bar	0.3 o/v

ELECTRICAL

Power Supply	230v - 1ph - 50hz
Start Current amps	1.8
Power Consumption W	20 - 75
Modulating input V dc	0-10
Fuse Rating amps	2.5
Controls Voltage	24 (max 4va)
Insulation Class IP	X4D

(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

(5) @ 50/30 °C nett (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