

QUINTA ACE 90

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 90	GC No : N/A
Rated Output kW (80/60°C)	84.2
Rated Output kW (50/30°C)	89.5
Weight (dry) kgs	65.2 (without front case)
Overall Dim WxHxD mm	500x750x500
No of sections:	One piece casting
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	95.65
Efficiency - Full Load 100%: NCV ⁽⁴⁾	97.9
Efficiency - Part Load 30%: NCV ⁽⁵⁾	108.1
Stand-by Heat Loss kW :	0.123

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M ³ /h	9.1 NG max
Fuel Consumption M ³ /h	3.5 LPG max
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	51.6
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	29 Mg/kWh (Class 6)

CONCENTRIC FLUE/AIR INLET

Flue diameter mm I/D	100
Air inlet diameter mm I/D	150
Mass flue gas flow rate kg/hr	28-138
Flue gas temperature °C	30-68
Maximum counter pressure PA	160

CONTROLS/OPTIONS

<p>STANDARD -</p> <ul style="list-style-type: none"> 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 o/ride Hot water priority facility (3 way valve or pump) Two Safety Interlocks Hours run indication Flue - concentric connection (***) (#) 	<p>OPTIONAL - Optimising compensators for single and multiple boilers</p> <ul style="list-style-type: none"> 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
--	--

ERP DATA - ECO DESIGN

Useful Efficiency - Full Load (GCV)% ⁽³⁾	88.2
Useful Efficiency - Part Load (GCV)% ⁽³⁾	97.4
Sound Power Levels Lwa Indoors dB	60

HYDRAULICS

Water contents ltrs	9.4
Resistance @ 11°C mbar	506
Resistance @ 20°C mbar	153
Nom Flow Rate @ 11° C l/s	1.83
Nom Flow Rate @ 20° C l/s	1.01
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 - 1 ph - 50hz
Start Current amps	1.8
Power Consumption W	26 - 114
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