

QUINTA⁺ PRO 90

TECHNICAL
SPECIFICATION
SHEET

June 2016

This is a quick reference specification sheet, full details can be found in the Quinta Pro installation/service guide via remeha.co.uk/documents.

OVERVIEW

MODEL : Quinta Pro 90	GC No. N/A
Rated Output kW (80/60°C)	84.2
Rated Output kW (50/30°C)	89.5
Weight (dry) kgs	67
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	Electric
Noise level dB(A) at 1 metre	52
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) EN483 EN 15420	29

CONCENTRIC FLUE/AIR INLET (#)

Flue diameter mm I/D	100
Air inlet diameter mm I/D	150
Mass flue gas flow rate kg/hr	23 - 138
Flue gas temperature °C	30 - 68
Maximum counter pressure PA	160

CONTROLS/OPTIONS

<p>STANDARD - On/Off, 0-10v dc, Open Therm High limit protection and low water protection Volt free common alarm and boiler run indication Manual o/ride Modulating (18 - 100%, avg.) Hot water priority facility (3 way valve or pump) Two Safety Interlocks Hours run indication</p>	<p>OPTIONAL - Optimising compensators for single and multiple boilers Cascade kits - multiple boiler pipework kits Low loss headers Outside sensor for simple weather compensation Hot water priority kits - pump or valve kits Relay kits for single and multiple controls - 230v switching relay</p>
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ERP DATA - ECO DESIGN

Useful Efficiency -Full Load (GCV)% (2)	88.2
Useful Efficiency -Part Load (GCV)% (2)	97.4
Sound Power Levels L _{wa} Indoors dB	60

HYDRAULICS

Water contents ltrs	9.4
Resistance @ 11°C mbar	463
Resistance @ 20°C mbar	140
Nom Flow Rate @ 11° C l/s	1.83
Nom Flow Rate @ 20° C l/s	1.01
Min Flow Rate m3/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 (3)
High Limit Set Point °C	110 (3)
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 - 50 hz
Start Current amps	1.8
Power Consumption W	20 - 125
Modulating input V dc	0 - 10
Fuse Rating amps	6.3
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)

(5) @ 50/30 °C nett (92/42)

(*) 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