

QUINTA PRO 45

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 45	GC No : 41-288-16
Rated Output kW (80/60°C)	40.8
Rated Output kW (50/30°C)	43
Weight (dry) kgs	53
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 MX

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
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	37

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 High limit protection and low water protection Volt free common alarm and boiler run indication Manual override Modulating (18 - 100%, avg) 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 for simple weather compensation Hot water priority kits - pump or valve kits Relay kits for single and multiple controls - 230v switching relay
--	--

ERP DATA - ENERGY LABEL

Seasonal Space Efficiency % ⁽²⁾	95
Energy Efficiency Class ⁽²⁾	A
Sound Power Levels Lwa Indoors dB	53
Annual Energy Consumption GJ	124
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	298
Resistance @ 20°C mbar	90
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 ⁽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 - 50hz
Start Current amps	1.8
Power Consumption W	18 - 68
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