

Boiler Type :	Quinta Pro 90
Issue Date :	March 2012



TECHNICAL SPECIFICATION SHEET

Quick reference specification sheet full details can be found in the Quinta Pro Installation/Service guide.

General Details

Fully condensing wall mounted boiler supplied c/w electronic temperature and safety controls.
 One piece cast aluminium heat exchanger. Powder coated, enamel steel casing forming sealed air box.
 Ultra low Nox, fully modulating (18-100%), pre-mix burner, gas/air ratio control for maximum efficiency and minimum emissions. Nox classification to EN 483 and EN15420 (EN 297 A3)
 Intelligent "abc®" boiler control system c/w numerical display providing operating and service parameters.
 Manufactured to ISO 9001. CE approved (Pin 0063CL3333) and supplied pre-assembled.

MODEL : Quinta Pro 90		No of SECTIONS : One piece casting	
Rated Output kW (80/60°C) :	84.2	Efficiency % : NCV (80/60°C) : (1)	97.9
Rated Output kW (50/30°C) :	89.5	SBEM Seasonal Efficiency % : GCV	96.72
Weight (dry) kgs :	67	Min/Max Gas pressure mbar :	17-30 NG
Overall Dim WxHxD mm :	500x750x500	Min/Max Gas pressure mbar :	37-50 LPG
Radiated Losses watt % :	0.143@ 30°		
BURNER TYPE Pre mix			
Std Fuel Available :	Natural Gas	Optional Fuel :	Propane
Fuel Consumption M ³ /h :	9.1 NG max	LPG adjustment ⁽²⁾	
Fuel Consumption M ³ /h :	3.5 LPG max	Gas Connection size BSP :	¾" (M)
Flame Protection :	Ionisation	Noise levels dB(A) at 1 metre :	<52
Ignition :	Electronic	Nox Mg/kW :	29 (dry)
HYDRAULICS			
Water Content ltrs :	7.5	Connection Size " BSP :	1¼" (M)
Resistance @ 11°C Δt mbar :	463	Std Operating Temp °C :	20 - 90 ⁽³⁾
Resistance @ 20°C Δt mbar :	140	Max Operating Temp °C :	90 ⁽³⁾
Nom Flow Rate @ 11° C Δt l/s :	1.83	High Limit Set Point °C :	110 ⁽³⁾
Nom Flow Rate @ 20° C Δt l/s :	1.00	Max operating pressure bar :	4
Min Flow Rate m3/hr :	0.4	Min operating pressure bar :	0.8
Condensate conn :	¾" OD	Min operating pressure bar :	0.3 o/v
FLUE/AIR INLET		Concentric connection	Supplied as standard * #
Flue diameter mm I/D :	100	Mass flue gas flow rate kgs/hr :	23 - 138
Air inlet diameter mm I/D :	150	Flue Gas Temperature °C :	30 - 68
		Maximum counter pressure PA :	160
ELECTRICAL			
Power Supply :	230v – 1ph – 50hz	Fuse Rating amps :	6.3
Start Current amps :	1.8	Controls Voltage :	24 (max 4va)
Power Consumption W :	20 - 125	Insulation Class IP :	X4D
Modulating input V dc :	0 -10		
CONTROL OPERATION			
Standard :	On/Off, 0-10v dc, Open Therm High limit protection Low water protection Volt free common alarm and boiler run indication	Manual o/ride Modulating (18 - 100%) Hot water priority facility (3 way valve or pump) Two Safety interlocks Hours run indication	
Optional : For further options Contact our sales team	Optimising/Compensators Cascade Kits > Low loss headers > Outside sensor > Hot water priority kits > Relay Kits >	-or single and multiple boiler controls multiple boiler pipework kits single and multiple boiler for simple weather compensation pump or valve kits 230v switching relay	

(1) At full load

(2) See installation and service manual

(3) Open vented option maximum operating temperature 80°C high limit 95°C

* For conventional or room sealed operation

Flue adaptor available for CLV systems

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