

Product Series	Quinta 85
Issue Date :	July 2008



TECHNICAL SPECIFICATION SHEET

MODEL : Quinta 85 **No of SECTIONS : One piece casting**

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, high / low or fully modulating (18-100%), pre - mix burner, gas/air ratio control for maximum efficiency and minimum emissions. Nox levels according to EN483 and EN 15420 (EN297 A3)
 Intelligent "abc[®]" boiler control system c/w numerical display providing operating and service parameters.
 Manufactured to ISO 9001. CE approved and supplied pre-assembled.

Output @ 80/60°C kW :	84	Efficiency % GCV :	> 98
Weight (dry) kgs :	72	Min/Max Gas Pressure mbar :	12 - 30 NG
Overall Dim WxHxD mm :	500x946x452	Min Gas Pressure mbar :	37 LPG
Radiated Losses % :	< 0.1	Casing Colour BS RAL :	9016

BURNER TYPE			
	Pre-mix	Low Nox Atmospheric	
Std Fuel Available :	Natural Gas	Gas Conn. size BSP :	3/4" M
LPG option	Conversion kit	Nox Level mg/kWh O% O2 :	29
Flame Protection :	Ionisation	Gas Consumption M3/h:	1.5 - 9.1 NG
Noise Levels dB(A) :	< 48	Gas Consumption M³/h:	0.6 - 3.5 LPG
Ignition :	Electronic		

HYDRAULICS			
Nom Flow @ 11°C Δt l/s :	1.74	Resistance @ 11°C Δt.mb :	460
Nom Flow @ 20°C Δt l/s :	1.00	Resistance @ 20°C Δt. mb:	140
Min Return Temp °C	20	Min Flow Rate l/s :	Å
Op Press min/max bars :	0.3 / 3.5 open vent	Std Operating Temp °C :	20 - 90
Op Press min/max bars :	0.8 / 3.5 pressure	Max Operating Temp °C :	100 (110)
Test Press bar :	6	Boiler Connections BSP :	1" F & 1¼" M
Condensate Conn mm :	25 o/d (Plastic)	Water Content ltrs :	7.5

FLUE/ AIR INLET			
Concentric connection supplied as Standard for conventional or room sealed operation			
Residue Fan Duty Pa :	160	Air Inlet Connection mm :	150 i/d
Flue Diameter mm :	100 i/d	Flue Gas Mass kgs/hr :	23 - 138
Flue Gas Volume Cu M/h :	18 - 110		

ELECTRICAL			
Insulation Class IP :	20	Power Supply :	230.1.50
Start Current amps :	1.8		
Fuse Rating Amps :	6	Power Consumption W :	30 - 160
Modulating input V dc :	0-10	Controls Voltage V ac :	24 (max 4VA)

CONTROLS			
Standard :	High / Low	BMS Modulating (18-100%)	On / Off
	Manual o/ride	Hours Run Indication	
	High limit protection	Low water protection	
	Operating status indication		
	Volt free common alarm and boiler run indication		
	Safety interlock control pair (24V ac)		
Optional :	Rematic Optimising / Compensator (two wire communicating modulating)		
	DHW priority control	Celcia 20	Celcia MC4

For a continuous supply of heat, the boiler requires a minimum flow of 30% of the relevant design temperatures