

<b>Product Series</b>	<b>Quinta 30</b>
<b>Issue Date :</b>	<b>JULY 2002</b>



## TECHNICAL SPECIFICATION SHEET

**MODEL : Quinta 30**

**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.  
 Intelligent "abc<sup>®</sup>" boiler control system c/w numerical display providing operating and service parameters.  
 Manufactured to ISO 9001. CE approved and supplied pre-assembled.

<b>Output @ 80/60°C kW :</b>	28	<b>Efficiency % GCV :</b>	> 98
<b>Weight (dry) kgs :</b>	43	<b>Min Gas Pressure mbar :</b>	15 NG
<b>Overall Dim WxHxD mm :</b>	500x940x365	<b>Min Gas Pressure mbar :</b>	37 LPG
<b>Radiated Losses % :</b>	< 0.1	<b>Casing Colour BS RAL :</b>	9016

### BURNER TYPE

<b>BURNER TYPE</b>	Pre-mix	Low Nox Atmospheric	
<b>Std Fuel Available :</b>	Natural Gas & LPG	<b>Gas Conn. Size mm :</b>	Ø 15
<b>Flame Protection :</b>	Ionisation	<b>Nox Level ppm @ 0% O<sub>2</sub> :</b>	< 20.2
<b>Noise Levels dB(A) :</b>	< 44	<b>Nox Level mg/kWh:</b>	< 36
<b>Ignition :</b>	Electronic	<b>Gas Consumption M<sup>3</sup>/h:</b>	0.6 – 3.2 NG
		<b>Gas Consumption M<sup>3</sup>/h:</b>	0.3 – 1.2 LPG

### HYDRAULICS

<b>Water Content ltrs :</b>	3.1	<b>Resistance @ 11°C Δt.mb :</b>	460
<b>Nom Flow @ 11°C Δt l/s :</b>	0.61	<b>Resistance @ 20°C Δt. mb:</b>	140
<b>Min Return Temp °C</b>	20	<b>Min Flow Rate l/s :</b>	None
<b>Op Press min/max bars :</b>	0.3 / 3.0 open vent	<b>Std Operating Temp °C :</b>	20 – 90
<b>Op Press min/max bars :</b>	0.8 / 3.0 pressurised	<b>Max Operating Temp °C :</b>	95
<b>Test Press bar :</b>	6	<b>Boiler Connections mm :</b>	Ø 22
<b>Condensate Conn mm :</b>	Ø 25 o/d flexible		

### FLUE/ AIR INLET

Concentric connection supplied as Standard for conventional or room sealed operation

<b>Residue Fan Duty Pa :</b>	100	<b>Air Inlet Connection mm :</b>	125 i/d
<b>Flue Diameter mm :</b>	80 i/d	<b>Flue Gas Mass kgs/hr :</b>	10 - 48
<b>Flue Gas Volume Cu M/h :</b>	38.4		

### ELECTRICAL

<b>Insulation Class IP :</b>	20	<b>Power Supply :</b>	230.1.50
<b>Start Current amps :</b>	1.8	<b>Power Consumption W :</b>	46
<b>Fuse Rating Amps :</b>	6	<b>Controls Voltage V ac :</b>	24 (max 4VA)
<b>Modulating input V dc :</b>	0-10		

### CONTROLS

<b>Standard :</b>	High / Low	BMS Modulating (20 - 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)		
<b>Optional :</b>	Rematic Optimising / Compensator (two wire communicating modulating)		
	DHW priority control		

<b>Product Series</b>	<b>Quinta 45</b>
<b>Issue Date :</b>	<b>SEPT 2001</b>



## TECHNICAL SPECIFICATION SHEET

**MODEL : Quinta 45**

**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.  
 Intelligent "abc<sup>®</sup>" boiler control system c/w numerical display providing operating and service parameters.  
 Manufactured to ISO 9001. CE approved and supplied pre-assembled.

<b>Output @ 80/60°C kW :</b>	40	<b>Efficiency % GCV :</b>	> 93
<b>Weight (dry) kgs :</b>	57	<b>Min Gas Pressure mbar :</b>	17 NG
<b>Overall Dim WxHxD mm :</b>	500x940x353	<b>Min Gas Pressure mbar :</b>	37 LPG
<b>Radiated Losses % :</b>	< 0.1	<b>Casing Colour BS RAL :</b>	9016

### BURNER TYPE

<b>BURNER TYPE</b>	Pre-mix	Low Nox Atmospheric	
<b>Std Fuel Available :</b>	Natural Gas & LPG	<b>Gas Conn. size "BSP :</b>	3/4
<b>Flame Protection :</b>	Ionisation	<b>Nox Level ppm @ 0% O<sub>2</sub> :</b>	18
<b>Noise Levels dB(A) :</b>	< 48	<b>Nox Level mg/kWh:</b>	32
<b>Ignition :</b>	Electronic	<b>Gas Consumption M<sup>3</sup>/h:</b>	5 NG
		<b>Gas Consumption M<sup>3</sup>/h:</b>	1.73 LPG

### HYDRAULICS

<b>Water Content ltrs :</b>	5.5	<b>Resistance @ 11°C Δt.mb :</b>	300
<b>Nom Flow @ 11°C Δt l/s :</b>	0.89	<b>Resistance @ 20°C Δt. mb:</b>	90
<b>Min Return Temp °C</b>	20	<b>Min Flow Rate l/s :</b>	None
<b>Op Press min/max bars :</b>	0.3 / 3.5 open vent	<b>Std Operating Temp °C :</b>	20 - 90
<b>Op Press min/max bars :</b>	0.8 / 3.5 pressurised	<b>Max Operating Temp °C :</b>	110
<b>Test Press bar :</b>	6	<b>Boiler Connections BSP :</b>	1"F & 1¼"M
<b>Condensate Conn mm :</b>	25 o/d flexible		

### FLUE/ AIR INLET

<b>Concentric connection supplied as Standard for conventional or room sealed operation</b>			
<b>Residue Fan Duty Pa :</b>	150	<b>Air Inlet Connection mm :</b>	125 i/d
<b>Flue Diameter mm :</b>	80 i/d	<b>Flue Gas Mass kgs/hr :</b>	14 - 69
<b>Flue Gas Volume Cu M/h :</b>	11.32 – 55.78		

### ELECTRICAL

<b>Insulation Class IP :</b>	20	<b>Power Supply :</b>	230.1.50
<b>Start Current amps :</b>	1.8	<b>Power Consumption W :</b>	30 - 85
<b>Fuse Rating Amps :</b>	6	<b>Controls Voltage V ac :</b>	24 (max 4VA)
<b>Modulating input V dc :</b>	0-10		

### CONTROLS

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

<b>Product Series</b>	<b>Quinta 65</b>
<b>Issue Date :</b>	<b>SEPT 2001</b>



## TECHNICAL SPECIFICATION SHEET

**MODEL : Quinta 65**

**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.  
 Intelligent "abc<sup>®</sup>" boiler control system c/w numerical display providing operating and service parameters.  
 Manufactured to ISO 9001. CE approved and supplied pre-assembled.

<b>Output @ 80/60°C kW :</b>	60	<b>Efficiency % GCV :</b>	> 93
<b>Weight (dry) kgs :</b>	65	<b>Min Gas Pressure mbar :</b>	17 NG
<b>Overall Dim WxHxD mm :</b>	500x940x353	<b>Min Gas Pressure mbar :</b>	37 LPG
<b>Radiated Losses % :</b>	< 0.1	<b>Casing Colour BS RAL :</b>	9016

### BURNER TYPE

<b>BURNER TYPE</b>	Pre-mix	Low Nox Atmospheric	
<b>Std Fuel Available :</b>	Natural Gas & LPG	<b>Gas Conn. size BSP :</b>	3/4" M
<b>Flame Protection :</b>	Ionisation	<b>Nox Level ppm @ 0% O<sub>2</sub> :</b>	18
<b>Noise Levels dB(A) :</b>	< 48	<b>Nox Level mg/kWh:</b>	32
<b>Ignition :</b>	Electronic	<b>Gas Consumption M<sup>3</sup>/h:</b>	7.5 NG
		<b>Gas Consumption M<sup>3</sup>/h:</b>	2.5 LPG

### HYDRAULICS

<b>Water Content ltrs :</b>	6.5	<b>Resistance @ 11°C Δt.mb :</b>	430
<b>Nom Flow @ 11°C Δt l/s :</b>	1.31	<b>Resistance @ 20°C Δt. mb:</b>	130
<b>Min Return Temp °C</b>	20	<b>Min Flow Rate l/s :</b>	None
<b>Op Press min/max bars :</b>	0.3 / 3.5 open vent	<b>Std Operating Temp °C :</b>	20 - 90
<b>Op Press min/max bars :</b>	0.8 / 3.5 pressurised	<b>Max Operating Temp °C :</b>	110
<b>Test Press bar :</b>	6	<b>Boiler Connections BSP :</b>	1"F & 1¼"M
<b>Condensate Conn mm :</b>	25 o/d flexible		

### FLUE/ AIR INLET

<b>Concentric connection supplied as Standard for conventional or room sealed operation</b>			
<b>Residue Fan Duty Pa :</b>	100	<b>Air Inlet Connection mm :</b>	150 i/d
<b>Flue Diameter mm :</b>	100 i/d	<b>Flue Gas Mass kgs/hr :</b>	21 - 103
<b>Flue Gas Volume Cu M/h :</b>	16.98 – 83.27		

### ELECTRICAL

<b>Insulation Class IP :</b>	20	<b>Power Supply :</b>	230.1.50
<b>Start Current amps :</b>	1.8	<b>Power Consumption W :</b>	30 - 90
<b>Fuse Rating Amps :</b>	6	<b>Controls Voltage V ac :</b>	24 (max 4VA)
<b>Modulating input V dc :</b>	0-10		

### CONTROLS

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

<b>Product Series</b>	<b>Quinta 85</b>
<b>Issue Date :</b>	<b>JUNE 2003</b>



## 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.  
 Intelligent "abc<sup>®</sup>" boiler control system c/w numerical display providing operating and service parameters.  
 Manufactured to ISO 9001. CE approved and supplied pre-assembled.

<b>Output @ 80/60°C kW :</b>	84	<b>Efficiency % GCV :</b>	> 98
<b>Weight (dry) kgs :</b>	72	<b>Min Gas Pressure mbar :</b>	17 NG
<b>Overall Dim WxHxD mm :</b>	500x946x452	<b>Min Gas Pressure mbar :</b>	37 LPG
<b>Radiated Losses % :</b>	< 0.1	<b>Casing Colour BS RAL :</b>	9016

<b>BURNER TYPE</b>	Pre-mix	Low Nox Atmospheric	
<b>Std Fuel Available :</b>	Natural Gas & LPG	<b>Gas Conn. size BSP :</b>	¾" M
<b>Flame Protection :</b>	Ionisation	<b>Nox Level ppm @ 0% O<sub>2</sub> :</b>	< 27
<b>Noise Levels dB(A) :</b>	< 48	<b>Nox Level mg/kWh:</b>	< 47
<b>Ignition :</b>	Electronic	<b>Gas Consumption M<sup>3</sup>/h:</b>	9.1 NG
		<b>Gas Consumption M<sup>3</sup>/h:</b>	3.3 LPG

<b>HYDRAULICS</b>			
<b>Water Content ltrs :</b>	7.5	<b>Resistance @ 11°C Δt.mb :</b>	460
<b>Nom Flow @ 11°C Δt l/s :</b>	1.74	<b>Resistance @ 20°C Δt. mb:</b>	140
<b>Min Return Temp °C</b>	20	<b>Min Flow Rate l/s :</b>	None
<b>Op Press min/max bars :</b>	0.3 / 3.5 open vent	<b>Std Operating Temp °C :</b>	20 - 90
<b>Op Press min/max bars :</b>	0.8 / 3.5 pressurised	<b>Max Operating Temp °C :</b>	100 (110)
<b>Test Press bar :</b>	6	<b>Boiler Connections BSP :</b>	1" F & 1¼" M
<b>Condensate Conn mm :</b>	25 o/d (Plastic)		

<b>FLUE/ AIR INLET</b>	Concentric connection supplied as Standard for conventional or room sealed operation		
<b>Residue Fan Duty Pa :</b>	160	<b>Air Inlet Connection mm :</b>	150 i/d
<b>Flue Diameter mm :</b>	100 i/d	<b>Flue Gas Mass kgs/hr :</b>	23 – 138
<b>Flue Gas Volume Cu M/h :</b>	28 – 170		

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

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