

No :	P500-9
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 9

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	635	Efficiency % GCV :	83
Weight (dry) kgs :	2650	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x1660		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	72.91	58	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	495	Min Return Temp °C	45
Resistance mbar :	149	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	13.80	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	2.53 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	400	Flue Gas Vol Cu M/h :	736
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1102
Chamber Resist. mbar :	1.7		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	10
		Run Current amps :	2.5
		Start Current amps :	15

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-10
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 10

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	750	Efficiency % GCV :	83
Weight (dry) kgs :	2910	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x1810		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	86.12	69	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	550	Min Return Temp °C	45
Resistance mbar :	166	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	16.30	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	2.99 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	400	Flue Gas Vol Cu M/h :	869
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1302
Chamber Resist. mbar :	2.3		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	10
		Run Current amps :	2.5
		Start Current amps :	15

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-11
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 11

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	865	Efficiency % GCV :	83
Weight (dry) kgs :	3175	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x1965		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	99.32	79	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	605	Min Return Temp °C	45
Resistance mbar :	180	Connection Size mm :	150 - PN16
Nom Flow Rate l/s :	20.7	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	110
Min Flow Rate l/s :	3.45 #	(High Limit Set Point)	
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	400	Flue Gas Vol Cu M/h :	1002
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1502
Chamber Resist. mbar :	3		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	15
		Run Current amps :	4.6
		Start Current amps :	25

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-12
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 12

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	980	Efficiency % GCV :	83
Weight (dry) kgs :	3435	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x2115		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	112.53	90	
Noise levels dB(A) :	70 – 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	660	Min Return Temp °C	45
Resistance mbar :	194	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	21.30	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	3.9 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	400	Flue Gas Vol Cu M/h :	1136
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1702
Chamber Resist. mbar :	3.8		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	15
		Run Current amps :	4.6
		Start Current amps :	25

CONTROL OPERATION

Standard :	High / Low High limit Thermostat	Hours Run Meters Temperature indication	L/O lamp On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-13
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 13

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1095	Efficiency % GCV :	83
Weight (dry) kgs :	3695	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x2265		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	125.74	101	
Noise levels dB(A) :	70 – 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	715	Min Return Temp °C	45
Resistance mbar :	189	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	23.80	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	4.36 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	500	Flue Gas Vol Cu M/h :	1269
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1901
Chamber Resist. mbar :	3.9		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	15
		Run Current amps :	4.6
		Start Current amps :	25

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-14
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 14

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1210	Efficiency % GCV :	83
Weight (dry) kgs :	3955	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x2415		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	138.38	111	
Noise levels dB(A) :	70 – 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	770	Min Return Temp °C	45
Resistance mbar :	200	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	26.30	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	4.82 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	500	Flue Gas Vol Cu M/h :	1397
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	2081
Chamber Resist. mbar :	4.8		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	15
		Run Current amps :	4.6
		Start Current amps :	25

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-15
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 15

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1325	Efficiency % GCV :	83
Weight (dry) kgs :	4220	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x2565		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	151.59	121	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	825	Min Return Temp °C	45
Resistance mbar :	213	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	28.80	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	5.39 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	500	Flue Gas Vol Cu M/h :	1530
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	2292
Chamber Resist. mbar :	5		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	15
		Run Current amps :	4.6
		Start Current amps :	25

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-16
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500	No of SECTIONS : 16
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General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1440	Efficiency % GCV :	83
Weight (dry) kgs :	4480	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x2715		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	164.33	131	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	880	Min Return Temp °C	45
Resistance mbar :	234	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	31.30	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	5.74 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	500	Flue Gas Vol Cu M/h :	1658
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	2485
Chamber Resist. mbar :	5.9		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	20
		Run Current amps :	6.1
		Start Current amps :	35

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-17
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 17

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1555	Efficiency % GCV :	83
Weight (dry) kgs :	4740	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x2870		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	177.44	142	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	935	Min Return Temp °C	45
Resistance mbar :	262	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	33.80	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	6.2 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	500	Flue Gas Vol Cu M/h :	1719
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	2683
Chamber Resist. mbar :	5.5		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	20
		Run Current amps :	6.1
		Start Current amps :	35

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-18
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 18

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1670	Efficiency % GCV :	83
Weight (dry) kgs :	5005	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x3020		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas – Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	190.56	152	
Noise levels dB(A) :	70 – 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	990	Min Return Temp °C	45
Resistance mbar :	295	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	36.30	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	6.65 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	500	Flue Gas Vol Cu M/h :	1923
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	2882
Chamber Resist. mbar :	6		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	25
		Run Current amps :	8
		Start Current amps :	45

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-19
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 19

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1785	Efficiency % GCV :	83
Weight (dry) kgs :	5265	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x2770		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/h :	203.67	163	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	1045	Min Return Temp °C	45
Resistance mbar :	337	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	38.80	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	7.11 #	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	500	Flue Gas Vol Cu M/h :	2055
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	3080
Chamber Resist. mbar :	6.5		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating amps :	25
		Run Current amps :	8
		Start Current amps :	45

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts

No :	P500-20
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : P500

No of SECTIONS : 20

General Details

Corrosion resistant cast iron sectional boiler, jointed by conical nipples and ceramic rope, designed with three passes for max efficiency and min Nox production, large insulated door (hinged left or right) allowing easy access for cleaning. Water cooled base and back sections.

Powder coated enamel steel casing c/w glass fibre insulation. Supplied broken down for delivery.

Manufactured to ISO 9001. CE approved. (90/396/EEC, 73/23/EEC, 89/392/EEC, 89/336/EEC)

Rated Output kW :	1900	Efficiency % GCV :	83
Weight (dry) kgs :	5525	Casing Colour BS No.	RAL2002
Overall Dim WxHxD mm :	1300x1670x3320		
Radiated Losses % :	0.45		

BURNER TYPE Pressure Jet

Fuel Available :	Gas - Cu M/hr	Oil - kgs/hr	Dual Fuel
Fuel Consumption M³/hr:	216.78	173	
Noise levels dB(A) :	70 - 90		
Min Gas Op Press mbar :	Dependant on burner		

HYDRAULICS Based @ 10°C Δt (unless qualified)

Water Content ltrs :	1100	Min Return Temp °C	45
Resistance mbar :	382	Connection Size mm :	150 - PN16
Nom Flow Rate @ 11 °C Δt l/s :	41.30	Std Operating Temp °C :	80
Shunt Flow Rate l/s :	30% of Nom flow	Max Operating Temp °C :	95
Min Flow Rate l/s :	7.57#	High Limit Set Point °C :	110
Max Op Press bars :	6		
Test Press bar :	12		

Min flow required for 5 minutes after shutting down to prevent high limit stat operating

FLUE To be manufactured and installed in accordance with BS 6644

Diameter mm :	500	Flue Gas Vol Cu M/h :	2188
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	3278
Chamber Resist. mbar :	7		

ELECTRICAL Boiler Burner

Voltage :	230.1.50	Voltage :	415.3.50
Fuse rating amps :	6	Fuse rating :	25
		Run Current amps :	8
		Start Current amps :	45

CONTROL OPERATION

Standard :	High / Low	Hours Run Meters	L/O lamp
	High limit Thermostat	Temperature indication	On off switch
Optional :	Modulating	Rematic compensator	BMS Contacts