No:	P200-4
Issue Date :	JULY 2002



83 RAL2002

45

Dual Fuel

TECHNICAL SPECIFICATION SHEET

MODEL: P200 No of SECTIONS: 4

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.

5.5

Efficiency % GCV:

Casing Colour BS No.

Powder coated enamel steel casing c/w glass fibre insulation.

Supplied broken down for delivery. **Note:** 4-7 section units can be delivered pre-assembled.

Manufactured to ISO 9001. CE approved.

Rated Output kW: 59
Weight (dry) kgs: 365

Weight (dry) kgs: 365 Overall Dim WxHxD mm: 750x1115x791

Radiated Losses %: 0.45

BURNER TYPE Pressure Jet

Fuel Available: Gas - Cu M/hr Oil - kgs/hr

Fuel Consumption: 6.79Noise levels dB(A): 70-90Min Op Gas Press mbar: 17

Min Op Gas Press mbar :
HYDRAULICS

Water Content Itrs: 24 Min Return Temp °C Resist @ 10°C Δt mbar: 9 Connection Size "BSPM:

Resist @ 10° C Δt mbar : 9 Connection Size "BSPM: 1½ Nom Flow Rate @ 11° C Δt l/s : 1.28 Std Operating Temp °C : 80 Shunt Flow Rate l/s : 30% of Nom Max Operating Temp °C : 95 Min Flow Rate l/s : 0.23# High Limit Set Point °C : 110 Max Op Press bars :

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

Diameter mm: 150 Flue Gas Vol Cu M/h: 69
Flue Type: Conventional Flue Gas Flow kgs/hr: 103

Chamber Resist. mbar : 0.1

ELECTRICAL Boiler Burner

Voltage :230.1.50Voltage :1ph3phFuse rating amps :6Fuse rating amps :6.0n/aRun Current amps :0.6n/aStart Current amps :1.0n/a

CONTROL OPERATION

Standard: On / Off Thermostat Hours Run Meter L/O lamp
High limit Thermostat Temperature indication On off switch

Optional: High / Low Hours Run Meter BMS Contacts

Modulating Rematic compensator

No:	P200-5
Issue Date :	JULY 2002



MODEL: P200 No of SECTIONS: 5

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. **Note:** 4-7 section units can be delivered pre-assembled.

Manufactured to ISO 9001. CE approved.

Rated Output kW: 93 Efficiency % GCV: 83

Weight (dry) kgs: 425 Casing Colour BS No. RAL2002

Overall Dim WxHxD mm: 750x1115x917 Radiated Losses %: 0.45

BURNER TYPE Pressure Jet

Fuel Available: Gas – Cu M/hr Oil - kgs/hr Dual Fuel

Fuel Consumption: 10.6 8.6

Noise levels dB(A): 70-90

Min Op Gas Press mbar: 17

HYDRAULICS

Water Content Itrs: 29 Min Return Temp °C 45 22 **Connection Size "BSPM:** 1½ Resist @ 10°C \(\Delta t \) mbar : Nom Flow Rate @ 11 °C \(\Delta t \text{ I/s} : 2.02 80 Std Operating Temp °C: Shunt Flow Rate I/s: 30% of Nom 95 Max Operating Temp °C: Min Flow Rate I/s: 0.37# **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

Diameter mm: 150 Flue Gas Vol Cu M/h: 107

Flue Type: Conventional Flue Gas Flow kgs/hr: 161 Chamber Resist. mbar: 0.3

ELECTRICAL Boiler Burner

Voltage: 230.1.50 Voltage: 1ph 3ph Fuse rating amps: 6.0 n/a

Run Current amps: 0.6 n/a
Start Current amps: 1.0 n/a

CONTROL OPERATION

Standard:
On / Off Thermostat Hours Run Meter L/O lamp
High limit Thermostat Temperature indication On off switch
High / Low Hours Run Meter BMS Contacts

High / Low Hours Run Meter

Modulating Rematic compensator

No:	P200-6
Issue Date :	JULY 2002



MODEL: P200 No of SECTIONS: 6

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. **Note:** 4-7 section units can be delivered pre-assembled.

Manufactured to ISO 9001. CE approved.

Rated Output kW: 117 Efficiency % GCV: 83

Weight (dry) kgs: 485 Casing Colour BS No. RAL2002

Overall Dim WxHxD mm: 750x1115x1044 Radiated Losses %: 0.45

BURNER TYPE Pressure Jet

Fuel Available: Gas – Cu M/hr Oil - kgs/hr Dual Fuel

Fuel Consumption: 13.3 10.8

Noise levels dB(A): 70-90Min Op Gas Press mbar: 17

HYDRAULICS

Water Content Itrs: 34 Min Return Temp °C 45 34 **Connection Size "BSPM:** 1½ Resist @ 10°C \(\Delta t \) mbar : Nom Flow Rate @ 11 °C \(\Delta t \text{ I/s} : 2.54 80 Std Operating Temp °C: Shunt Flow Rate I/s: 30% of Nom 95 Max Operating Temp °C:

Min Flow Rate I/s: 0.4
Max Op Press bars: 6
Test Press bar: 12

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

0.47#

FLUE

Diameter mm: 150 Flue Gas Vol Cu M/h: 134 Flue Type: Conventional Flue Gas Flow kgs/hr: 201

Chamber Resist. mbar : 0.6

 ELECTRICAL
 Boiler
 Burner

 Voltage:
 230.1.50
 Voltage:
 1ph
 3ph

Fuse rating amps:

6

Fuse rating amps:

6.0

Run Current amps:

0.6

N/a

Start Current amps:

1.0

1.0

1.0

1.0

High Limit Set Point °C:

110

CONTROL OPERATION

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

P200-7 No: **Issue Date: JULY 2002**



TECHNICAL SPECIFICATION SHEET

MODEL: P200 No of SECTIONS: 7

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. Note: 4-7 section units can be delivered pre-assembled.

Manufactured to ISO 9001. CE approved.

Rated Output kW: Efficiency % GCV:

Weight (dry) kgs: 545 **Casing Colour BS No. RAL2002**

Overall Dim WxHxD mm: 750x1115x1170 Radiated Losses %: 0.45

BURNER TYPE Pressure Jet

Fuel Available: Gas - Cu M/hr Oil - kgs/hr **Dual Fuel**

Fuel Consumption: 12.9 16

70 - 90Noise levels dB(A): 17 Min Op Gas Press mbar:

HYDRAULICS

Min Flow Rate I/s:

Water Content Itrs: 39 Min Return Temp °C 45 48 **Connection Size "BSPM:** 1½ Resist @ 10°C \(\Delta t \) mbar : Nom Flow Rate @ 11 °C \(\Delta t \text{ I/s} : 3.07 80 Std Operating Temp °C: 30% of Nom Shunt Flow Rate I/s: 95 Max Operating Temp °C: 0.56#

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

Diameter mm: 150 Flue Gas Vol Cu M/h: 161 Conventional Flue Gas Flow kgs/hr: 242 Flue Type:

Chamber Resist. mbar: 10

ELECTRICAL Boiler Burner

Voltage: 230.1.50 Voltage: 1ph

3ph Fuse rating amps: Fuse rating amps: N/a 10 **Run Current amps:** 1.7 N/a

High Limit Set Point °C:

Start Current amps :

110

7

N/a

CONTROL OPERATION

Standard: On / Off Thermostat Hours Run Meter L/O lamp High limit Thermostat Temperature indication On off switch **BMS Contacts** Optional: High / Low Hours Run Meter

Modulating Rematic compensator

No:	P200-8
Issue Date :	JULY 2002



No of SECTIONS: 8 MODEL: P200

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. Note: 4-7 section units can be delivered pre-assembled.

Manufactured to ISO 9001. CE approved.

Rated Output kW: 165 Efficiency % GCV: 83

Weight (dry) kgs: 605 Casing Colour BS No. **RAL2002**

Overall Dim WxHxD mm: 750x1115x1297

0.45 Radiated Losses %: **BURNER TYPE Pressure Jet**

Dual Fuel Fuel Available: Gas - Cu M/hr Oil - kgs/hr

Fuel Consumption: 18.69 15.1

17

70 - 90Noise levels dB(A):

HYDRAULICS

Min Op Gas Press mbar:

Water Content Itrs: 44 Min Return Temp °C 45 67 **Connection Size "BSPM:** 2 Resist @ 10°C \(\Delta t \) mbar : Nom Flow Rate@ 11 °C \text{\Delta t I/s}: 3.59 80 Std Operating Temp °C: Shunt Flow Rate I/s: 30% of Nom 95 Max Operating Temp °C: 0.66#

Min Flow Rate I/s: 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

Diameter mm: 200 Flue Gas Vol Cu M/h: 189

Conventional Flue Gas Flow kgs/hr: 282 Flue Type: Chamber Resist. mbar: 12

Boiler **ELECTRICAL** Burner

Voltage: 230.1.50 Voltage: 1ph 3ph Fuse rating amps: Fuse rating amps: N/a 10 **Run Current amps:** 1.7 N/a

High Limit Set Point °C:

Start Current amps:

110

15

N/a

CONTROL OPERATION

Standard: On / Off Thermostat Hours Run Meter L/O lamp High limit Thermostat Temperature indication On off switch **BMS Contacts** Optional: High / Low Hours Run Meter

Modulating Rematic compensator

No:	P200-9
Issue Date :	JULY 2002



MODEL: P200 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. **Note:** 4-7 section units can be delivered pre-assembled.

Manufactured to ISO 9001. CE approved.

Rated Output kW: 184 Efficiency % GCV: 83

Weight (dry) kgs: 665 Casing Colour BS No. RAL2002

Overall Dim WxHxD mm: 750x1115x1423

Radiated Losses %: 0.45

BURNER TYPE Pressure Jet

Fuel Available: Gas - Cu M/hr Oil - kgs/hr Dual Fuel

Fuel Consumption: 20.83 16.9

Noise levels dB(A): 70-90Min Op Gas Press mbar: 17

HYDRAULICS

Water Content ltrs: 49 Min Return Temp °C 45
Resist @ 10°C Δt mbar: 84 Connection Size "BSPM: 2
Nom Flow Rate@ 11 °C Δt l/s: 4.0 Std Operating Temp °C: 80

Nom Flow Rate@ 11 0 C Δ t l/s : 4.0 Std Operating Temp $^{\circ}$ C : 80 Shunt Flow Rate l/s : 30% of Nom Max Operating Temp $^{\circ}$ C : 95 Min Flow Rate l/s : 0.73# High Limit Set Point $^{\circ}$ C : 110 Max Op Press bars :

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

Diameter mm: 200 Flue Gas Vol Cu M/h: 210 Flue Type: Conventional Flue Gas Flow kgs/hr: 315

Chamber Resist. mbar: 1.6

ELECTRICAL Boiler Burner

Voltage: 230.1.50 Voltage: 1ph 3ph

Fuse rating amps: 6 Fuse rating amps: 10 N/a Run Current amps: 1.7 N/a

Start Current amps:

15

N/a

CONTROL OPERATION

Standard:
On / Off Thermostat Hours Run Meter L/O lamp
High limit Thermostat Temperature indication On off switch
High / Low Hours Run Meter BMS Contacts

Optional: High / Low Hours Run Meter
Modulating Rematic compensator

 No :
 P200-10

 Issue Date :
 JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL: P200 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. **Note:** 4-7 section units can be delivered pre-assembled.

Manufactured to ISO 9001. CE approved.

Rated Output kW: 206 Efficiency % GCV: 83

Weight (dry) kgs: 725 Casing Colour BS No. RAL2002

Overall Dim WxHxD mm: 750x1115x1549

Radiated Losses %: 0.45

BURNER TYPE Pressure Jet

Fuel Available : Gas – Cu M/hr Oil - kgs/hr Dual Fuel

Fuel Consumption: 23.25 18.8

Noise levels dB(A): 70 – 90
Min Op Gas Press mbar: 17

HYDRAULICS

Water Content Itrs: 54 Min Return Temp °C 45 103 **Connection Size "BSPM:** 2 Resist @ 10°C \(\Delta t \) mbar : Nom Flow Rate @ 11 °C \(\Delta t \text{ I/s} : 4.48 80 Std Operating Temp °C: 30% of Nom Shunt Flow Rate I/s: Max Operating Temp °C: 95 Min Flow Rate I/s: 0.82# **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

Diameter mm: 200 Flue Gas Vol Cu M/h: 235 Flue Type: Conventional Flue Gas Flow kgs/hr: 351

Chamber Resist. mbar: 1.4

ELECTRICAL Boiler Burner

Voltage:

230.1.50

Voltage:

1ph
3ph
Fuse rating amps:
10
N/a
Run Current amps:
1.7
Start Current amps:
15
n/a

CONTROL OPERATION

Standard:
On / Off Thermostat Hours Run Meter L/O lamp
High limit Thermostat Temperature indication On off switch
High / Low Hours Run Meter BMS Contacts

High / Low Hours Run Meter

Modulating Rematic compensator

 No :
 P200-11

 Issue Date :
 JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL: P200 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. **Note:** 4-7 section units can be delivered pre-assembled.

Manufactured to ISO 9001. CE approved.

Rated Output kW: 229 Efficiency % GCV: 83

Weight (dry) kgs: 775 Casing Colour BS No. RAL2002

Overall Dim WxHxD mm: 750x1115x1676

Radiated Losses %: 0.45

BURNER TYPE Pressure Jet

Fuel Available : Gas – Cu M/hr Oil - kgs/hr Dual Fuel

Fuel Consumption: 25.85 21

17

Noise levels dB(A): 70-90

Min Op Gas Press mbar : HYDRAULICS

Water Content Itrs: 59 Min Return Temp °C 45 127 **Connection Size "BSPM:** 2 Resist @ 10°C \(\Delta t \) mbar : Nom Flow Rate @ 11 °C \(\Delta t \text{ I/s} : 4.98 80 Std Operating Temp °C: 30% of Nom Shunt Flow Rate I/s: Max Operating Temp °C: 95 Min Flow Rate I/s: 0.91# **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

Diameter mm: 200 Flue Gas Vol Cu M/h: 281 Flue Type: Conventional Flue Gas Flow kgs/hr: 391

Chamber Resist. mbar: 1.8

ELECTRICALBoilerBurnerVoltage:230.1.50Voltage:1ph3ph

Voltage: 230.1.50 Voltage: 1ph 3ph
Fuse rating amps: 10 N/a
Run Current amps: 3.1 N/a
Start Current amps: 15 N/a

CONTROL OPERATION

Standard:
On / Off Thermostat Hours Run Meter
High limit Thermostat Temperature indication
Optional:
High / Low
Hours Run Meter
Hours Run Meter
Hours Run Meter
BMS Contacts
Modulating
Rematic compensator

 No :
 P200-12

 Issue Date :
 SEPT 2001



TECHNICAL SPECIFICATION SHEET

MODEL: P200 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. **Note:** 4-7 section units can be delivered pre-assembled.

Manufactured to ISO 9001. CE approved.

Rated Output kW: 256 Efficiency % GCV: 83

Weight (dry) kgs: 835 Casing Colour BS No. RAL2002

Overall Dim WxHxD mm: 750x1115x1802

Radiated Losses %: 0.45

BURNER TYPE Pressure Jet

Fuel Available : Gas – Cu M/hr Oil - kgs/hr Dual Fuel

Fuel Consumption: 28.74 23

17

Noise levels dB(A): 70-90

HYDRAULICS

Min Op Gas Press mbar:

Water Content Itrs: 64 Min Return Temp °C 45 158 **Connection Size "BSPM:** 2 Resist @ 10°C \(\Delta t \) mbar : Nom Flow Rate @ 11 °C \(\Delta t \text{ I/s} : 5.57 80 Std Operating Temp °C: 30% of Nom Shunt Flow Rate I/s: Max Operating Temp °C: 95 Min Flow Rate I/s: 1.02# **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

Diameter mm: 200 Flue Gas Vol Cu M/h: 290 Flue Type: Conventional Flue Gas Flow kgs/hr: 434

Chamber Resist. mbar: 2.1

ELECTRICALBoilerBurnerVoltage:230.1.50Voltage:1ph3phFuse rating amps:6Fuse rating amps:10N/a

Run Current amps: 10 N/a
Start Current amps: 15 N/a

CONTROL OPERATION

Standard:
On / Off Thermostat Hours Run Meter
High limit Thermostat Temperature indication
Optional: High / Low Hours Run Meter

L/O lamp
On off switch
BMS Contacts

Modulating Rematic compensator