

Product Series	G550-10
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : Gas 550

No of SECTIONS : 10

General Details

Cast iron sectional boiler, powder coated enamel steel casing c/w glass fibre insulation.
 Atmospheric gas burners. Supplied broken down for delivery.
 Manufactured to ISO 9001. CE approved.

Rated Output kW :	278	Efficiency % GCV :	80
Weight (dry) kgs :	1450	Min Op Gas Press mbar :	17
Overall Dim WxHxD mm :	1700x1605x1595	Casing Colour BS No.	RAL2002
Radiated Losses % :	0.45		

BURNER TYPE Atmospheric

Fuel Available :	Natural Gas	Connection size " BSP :	2
Fuel Consumption M³/h :	33	Ignition :	Electronic
Flame Protection :	Ionisation		
Noise levels dB(A) :	50/55		

HYDRAULICS

Water Content ltrs :	291	Resistance @ 10°C Δt mbar:	64
Nom Flow Rate @ 11 °C Δt l/s :	6.05	Min Flow Rate l/s :	0.83#
Min Return Temp °C :	20	Connection Size mm :	100
Max Op Press bars :	6	Std Operating Temp °C :	80
Test Press bar :	10	Max Operating Temp °C :	95
		High Limit Set Point °C :	110

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

FLUE

Diameter mm :	300	Flue Gas Volume Cu M/h :	544
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	692

ELECTRICAL

Voltage :	230 - 1 - 50	Start Current amps :	n/a
Run Current amps :	1.9	Fuse Rating amps :	6

CONTROL OPERATION

Standard :	High / Low	Temperature indication	On off switch
Optional :	High limit Thermostat Rematic compensator	BMS Contacts	

Product Series	G550-12
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : Gas 550

No of SECTIONS : 12

General Details

Cast iron sectional boiler, powder coated enamel steel casing c/w glass fibre insulation.
 Atmospheric gas burners. Supplied broken down for delivery.
 Manufactured to ISO 9001. CE approved.

Rated Output kW :	340	Efficiency % GCV :	80
Weight (dry) kgs :	1695	Min Op Gas Press mbar :	17
Overall Dim WxHxD mm :	1920x1605x1595	Casing Colour BS No.	RAL2002
Radiated Losses % :	0.45		

BURNER TYPE Atmospheric

Fuel Available :	Natural Gas		
Fuel Consumption M³/h :	40	Connection size " BSP :	2
Flame Protection :	Ionisation	Ignition :	Electronic
Noise levels dB(A) :	50/55		

HYDRAULICS

Water Content ltrs :	349	Resistance @ 10°C Δt mbar:	72
Nom Flow Rate @ 11 °C Δt l/s :	7.39	Min Flow Rate l/s :	1.01#
Min Return Temp °C :	20	Connection Size mm :	100
Max Op Press bars :	6	Std Operating Temp °C :	80
Test Press bar :	10	Max Operating Temp °C :	95
		High Limit Set Point °C :	110

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

FLUE

Diameter mm :	350	Flue Gas Volume Cu M/h :	665
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	847

ELECTRICAL

Voltage :	230 - 1 - 50	Start Current amps :	n/a
Run Current amps :	1.9	Fuse Rating amps :	6

CONTROL OPERATION

Standard :	High / Low	Temperature indication	On off switch
Optional :	High limit Thermostat Rematic compensator	BMS Contacts	

Product Series	G550-14
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : Gas 550

No of SECTIONS : 14

General Details

Cast iron sectional boiler, powder coated enamel steel casing c/w glass fibre insulation.
 Atmospheric gas burners. Supplied broken down for delivery.
 Manufactured to ISO 9001. CE approved.

Rated Output kW :	403	Efficiency % GCV :	80
Weight (dry) kgs :	1940	Min Op Gas Press mbar :	17
Overall Dim WxHxD mm :	2140x1605x1595	Casing Colour BS No.	RAL2002
Radiated Losses % :	0.45		

BURNER TYPE Atmospheric

Fuel Available :	Natural Gas	Connection size " BSP :	2
Fuel Consumption M³/h :	47	Ignition :	Electronic
Flame Protection :	Ionisation		
Noise levels dB(A) :	50/55		

HYDRAULICS

Water Content ltrs :	407	Resistance @ 10°C Δt mbar:	80
Nom Flow Rate @ 11 °C Δt l/s :	8.76	Min Flow Rate l/s :	1.2#
Min Return Temp °C :	20	Connection Size mm :	100
Max Op Press bars :	6	Std Operating Temp °C :	80
Test Press bar :	10	Max Operating Temp °C :	95
		High Limit Set Point °C :	110

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

FLUE

Diameter mm :	400	Flue Gas Volume Cu M/h :	811
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1033

ELECTRICAL

Voltage :	230 - 1 - 50	Start Current amps :	n/a
Run Current amps :	1.9	Fuse Rating amps :	6

CONTROL OPERATION

Standard :	High / Low	Temperature indication	On off switch
Optional :	High limit Thermostat Rematic compensator	BMS Contacts	

Product Series	G550-16
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : Gas 550

No of SECTIONS : 16

General Details

Cast iron sectional boiler, powder coated enamel steel casing c/w glass fibre insulation.
 Atmospheric gas burners. Supplied broken down for delivery.
 Manufactured to ISO 9001. CE approved.

Rated Output kW :	466	Efficiency % GCV :	80
Weight (dry) kgs :	2185	Min Op Gas Press mbar :	17
Overall Dim WxHxD mm :	2360x1605x159	Casing Colour BS No.	RAL2002
	5		
Radiated Losses % :	0.45		

BURNER TYPE Atmospheric

Fuel Available :	Natural Gas	Connection size " BSP :	2
Fuel Consumption M³/h :	55	Ignition :	Electronic
Flame Protection :	Ionisation		
Noise levels dB(A) :	50/55		

HYDRAULICS

Water Content Itrs :	465	Resistance @ 10°C Δt mbar:	128
Nom Flow Rate @ 11 °C Δt l/s :	10.13	Min Flow Rate l/s :	1.39#
Min Return Temp °C :	20	Connection Size mm :	100
Max Op Press bars :	6	Std Operating Temp °C :	80
Test Press bar :	10	Max Operating Temp °C :	95
		High Limit Set Point °C :	110

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

FLUE

Diameter mm :	450	Flue Gas Volume Cu M/h :	973
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1239

ELECTRICAL

Voltage :	230 - 1 - 50	Start Current amps :	n/a
Run Current amps :	1.9	Fuse Rating amps :	6

CONTROL OPERATION

Standard :	High / Low	Temperature indication	On off switch
	High limit Thermostat		
Optional :	Rematic compensator	BMS Contacts	

Product Series	G550-18
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : Gas 550

No of SECTIONS : 18

General Details

Cast iron sectional boiler, powder coated enamel steel casing c/w glass fibre insulation.
 Atmospheric gas burners. Supplied broken down for delivery.
 Manufactured to ISO 9001. CE approved.

Rated Output kW :	529	Efficiency % GCV :	80
Weight (dry) kgs :	2430	Min Op Gas Press mbar :	17
Overall Dim WxHxD mm :	2580x1605x1595	Casing Colour BS No.	RAL2002
Radiated Losses % :	0.45		

BURNER TYPE Atmospheric

Fuel Available :	Natural Gas	Connection size " BSP :	2
Fuel Consumption M³/h :	62	Ignition :	Electronic
Flame Protection :	Ionisation		
Noise levels dB(A) :	50/55		

HYDRAULICS

Water Content ltrs :	523	Resistance @ 10°C Δt mbar:	160
Nom Flow Rate @ 11 °C Δt l/s :	11.51	Min Flow Rate l/s :	1.58#
Min Return Temp °C :	20	Connection Size mm :	100
Max Op Press bars :	6	Std Operating Temp °C :	80
Test Press bar :	10	Max Operating Temp °C :	95
		High Limit Set Point °C :	110

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

FLUE

Diameter mm :	450	Flue Gas Volume Cu M/h :	1081
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1376

ELECTRICAL

Voltage :	230 - 1 - 50	Start Current amps :	n/a
Run Current amps :	1.9	Fuse Rating amps :	6

CONTROL OPERATION

Standard :	High / Low	Temperature indication	On off switch
Optional :	High limit Thermostat Rematic compensator	BMS Contacts	

Product Series	G550-20
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : Gas 550

No of SECTIONS : 20

General Details

Cast iron sectional boiler, powder coated enamel steel casing c/w glass fibre insulation.
 Atmospheric gas burners. Supplied broken down for delivery.
 Manufactured to ISO 9001. CE approved.

Rated Output kW :	592	Efficiency % GCV :	80
Weight (dry) kgs :	2675	Min Op Gas Press mbar :	17
Overall Dim WxHxD mm :	2800x1605x1595	Casing Colour BS No.	RAL2002
Radiated Losses % :	0.45		

BURNER TYPE Atmospheric

Fuel Available :	Natural Gas	Connection size " BSP :	2
Fuel Consumption M³/h :	70	Ignition :	Electronic
Flame Protection :	Ionisation		
Noise levels dB(A) :	50/55		

HYDRAULICS

Water Content ltrs :	581	Resistance @ 10°C Δt mbar:	180
Nom Flow Rate @ 11 °C Δt l/s :	12.88	Min Flow Rate l/s :	1.77#
Min Return Temp °C :	20	Connection Size mm :	100
Max Op Press bars :	6	Std Operating Temp °C :	80
Test Press bar :	10	Max Operating Temp °C :	95
		High Limit Set Point °C :	110

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

FLUE

Diameter mm :	500	Flue Gas Volume Cu M/h :	1225
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1560

ELECTRICAL

Voltage :	230 - 1 - 50	Start Current amps :	n/a
Run Current amps :	1.9	Fuse Rating amps :	6

CONTROL OPERATION

Standard :	High / Low	Temperature indication	On off switch
Optional :	High limit Thermostat Rematic compensator	BMS Contacts	

Product Series	G550-22
Issue Date :	JULY 2002



TECHNICAL SPECIFICATION SHEET

MODEL : Gas 550

No of SECTIONS : 22

General Details

Cast iron sectional boiler, powder coated enamel steel casing c/w glass fibre insulation.
 Atmospheric gas burners. Supplied broken down for delivery.
 Manufactured to ISO 9001. CE approved.

Rated Output kW :	656	Efficiency % GCV :	80
Weight (dry) kgs :	2920	Min Op Gas Press mbar :	17
Overall Dim WxHxD mm :	3020x1605x1595	Casing Colour BS No.	RAL2002
Radiated Losses % :	0.45		

BURNER TYPE Atmospheric

Fuel Available :	Natural Gas	Connection size " BSP :	2
Fuel Consumption M³/h :	76.91	Ignition :	Electronic
Flame Protection :	Ionisation		
Noise levels dB(A) :	50/55		

HYDRAULICS

Water Content ltrs :	639	Resistance @ 10°C Δt mbar:	196
Nom Flow Rate @ 11 °C Δt l/s :	14.27	Min Flow Rate l/s :	1.96#
Min Return Temp °C :	20	Connection Size mm :	100
Max Op Press bars :	6	Std Operating Temp °C :	80
Test Press bar :	10	Max Operating Temp °C :	95
		High Limit Set Point °C :	110

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

FLUE

Diameter mm :	500	Flue Gas Volume Cu M/h :	1318
Flue Type :	Conventional	Flue Gas Flow kgs/hr :	1678

ELECTRICAL

Voltage :	230 - 1 - 50	Start Current amps :	n/a
Run Current amps :	1.9	Fuse Rating amps :	6

CONTROL OPERATION

Standard :	High / Low	Temperature indication	On off switch
Optional :	High limit Thermostat Rematic compensator	BMS Contacts	