

# GAS

## 110-115

### TECHNICAL SPECIFICATION SHEET

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This quick reference specification sheet, full details can be found in the Gas 110 installation /service guide via [remeha.co.uk/documents](http://remeha.co.uk/documents).

## OVERVIEW

MODEL : Gas 110 ECO 115	
Rated Output kW (80/60°C)	16.6 - 107
Rated Output kW (50/30°C)	18.4 - 114
Weight (dry) kgs	133
Overall Dim WxHxD mm	600 x 1322 x 770 (##)
SBEM Seasonal Efficiency %: GCV <sup>(1)</sup>	94.79
Efficiency - Full Load 100%: NCV <sup>(4)</sup>	97.1
Efficiency - Part Load 30%: NCV <sup>(5)</sup>	107.1
Stand-by Heat Loss kW :	0.131

## BURNER TYPE PRE MX

Std Fuel Available	Natural Gas
Fuel Consumption M <sup>3</sup> /h	11.66 NG max
Fuel Consumption Kg/h	8.56 LPG max
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	< 48
Optional Fuel	Propane
LGP adjustment (*)	
Gas Connection size BSP	3/4" M
Min/Max Gas pressure mbar	17 - 40 NG
Min/Max Gas pressure mbar	25 - 60 LPG
NOx (dry, 0% O <sub>2</sub> ) EN483 EN 15420	35

## CONCENTRIC FLUE/AIR INLET (#)

Flue diameter mm I/D	100
Air inlet diameter mm I/D	150
Mass flue gas flow rate kg/hr	28.9 - 186
Flue gas temperature °C	67.9
Maximum counter pressure PA	250

## CONTROLS/OPTIONS

<b>STANDARD -</b> On/Off, 0-10v dc, Open Therm High limit protection Low water protection Volt free common alarm and boiler run indication Manual override Modulating (1.8 - 100%, avg) Hot water priority facility (3 way valve or pump) Safety interlock Hours run indication	<b>OPTIONS -</b> Optimising /Compensator for single and multiple boiler arrangements Low Loss Headers for single and multiple boilers Cascade kits - multiple boiler pipework kits Hot water priority kits - pump or valve kits Volt Free Relay kits - 230V to volt free Optional flue non-return valve
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## ERP DATA - ENERGY LABEL

Seasonal Space Efficiency % <sup>(2)</sup>	N/a
Energy Efficiency Class <sup>(2)</sup>	N/a
Sound Power Levels Lwa Indoors dB	Not available
Annual Energy Consumption GJ	Not available
Useful Efficiency-Full Load (GCV)% <sup>(3)</sup>	87.5
Useful Efficiency-Part Load (GCV)% <sup>(3)</sup>	96.5

## HYDRAULICS

Water contents ltrs	7.5
Resistance @ 11°C mbar	830
Resistance @ 20°C mbar	230
Nom Flow Rate @ 11°C l/s	2.32
Nom Flow Rate @ 20°C l/s	1.28
Min Flow Rate l/hr	350
Condensate Connection	25
Connection Size " BSP	1 1/4" M
Std Operating Temp °C	20 - 90
Max Operating Temp °C	90 (**)
High Limit Set Point °C	110 (**)
Max operating pressure bar	4
Min operating pressure bar	0.8
Min operating pressure bar	0.5 o/v

## ELECTRICAL

Power Supply	230v - 1ph - 50hz
Power Consumption W	213
Modulating input V dc	0 - 10
Fuse Rating amps	6.3
Controls Voltage	24 (max 4va)
Insulation Class IP	21

(1) In accordance with the Non Domestic Building Services Compliance Guide 2013 Edition-For use in England

(2) In accordance with EU 811 & 812 / 2013 Energy Labeling Regulations

(3) In accordance with EU 813 & 814 / 2013 Eco Design Regulations

(4) @ 80/60 °C Nett (EN 92/42)

(5) @ 30 °C nett (92/42)

(\*) See installation and service manual

(\*\*) Open vented option maximum operating temperature 75°C high limit 95°C

(\*\*\*) For conventional or room sealed operation

(#) Flue adaptor available for CLV systems