

GAS

110-65

TECHNICAL
SPECIFICATION
SHEET

August 2017

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

OVERVIEW

MODEL : Gas 110 ECO 65	
Rated Output kW (80/60°C)	12 - 61
Rated Output kW (50/30°C)	13.3 - 65
Weight (dry) kgs	116
Overall Dim WxHxD mm	600 x 1100 x 770 (##)
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	96.30
Efficiency - Full Load 100%: NCV ⁽⁴⁾	98.3
Efficiency - Part Load 30%: NCV ⁽⁵⁾	108.9
Stand-by Heat Loss kW :	0.125

BURNER TYPE PRE MX

Std Fuel Available	Natural Gas
Fuel Consumption M ³ /h	6.56 NG max
Fuel Consumption Kg/h	4.82 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 ₂) EN483 EN 15420	32

CONCENTRIC FLUE/AIR INLET (#)

Flue diameter mm I/D	100
Air inlet diameter mm I/D	150
Mass flue gas flow rate kg/hr	20.5 - 104
Flue gas temperature °C	65
Maximum counter pressure PA	100

CONTROLS/OPTIONS

STANDARD - On/Off, 0-10v dc, Open Therm High limit protection Low water protection Volt free common alarm and boiler run indication Outside sensor for simple weather compensation Manual override Modulating (1.8 - 100%, avg) Hot water priority facility (3 way valve or pump) Two Safety interlock Hours run indication	OPTIONS - 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 % ⁽²⁾	93
Energy Efficiency Class ⁽²⁾	A
Sound Power Levels Lwa Indoors dB	49
Annual Energy Consumption GJ	189
Useful Efficiency-Full Load (GCV)% ⁽³⁾	88.6
Useful Efficiency-Part Load (GCV)% ⁽³⁾	98.1

HYDRAULICS

Water contents ltrs	6.5
Resistance @ 11°C mbar	580
Resistance @ 20°C mbar	175
Nom Flow Rate @ 11°C l/s	1.32
Nom Flow Rate @ 20°C l/s	0.73
Min Flow Rate l/hr	240
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	0.3 o/v

ELECTRICAL

Power Supply	230v - 1 ph - 50hz
Power Consumption W	88
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