

Gas 120⁺ Ace - 90

TECHNICAL SPECIFICATION SHEET

January 2019

This is a quick reference specification sheet, full details can be found in the Gas 120 ACE installation/service manual via www.remeha.co.uk

OVERVIEW

MODEL : Gas 120 Ace - 65	7721609
Rated Output kW (80/60°C)	84.2
Rated Output kW (50/30°C)	89.5
Weight (dry) kg	109
Overall Dim WxHxD mm	600x1582x605
No of sections : One piece casting	Cast Aluminum Monoblock
SBEM Seasonal Efficiency %: GCV ⁽¹⁾	95.7
Efficiency - Full Load 100%: NCV ⁽⁴⁾	97.9
Efficiency - Part Load 30%: NCV ⁽⁵⁾	108.1
Stand-by Heat Loss kW :	0.119

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M ³ /h	1.5 - 9.1 NG
Fuel Consumption M ³ /h	0.9 - 3.5 LPG
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre	45
Optional Fuel	Propane
LGP adjustment (*)	
Gas Connection size BSP	3/4" (M)
Min/Max Gas pressure mbar	17-25 NG
Min/Max Gas pressure mbar	37-50 LPG
NOx (dry, 0% O ₂) EN15502 - 1	41 Mg/kWh (GCV)

FLUE/AIR INLET

Flue diameter mm I/D	100
Air inlet diameter mm I/D	150
Mass flue gas flow rate kg/hr	28 - 138
Flue gas temperature °C	30 - 120
Maximum counter pressure PA	160

CONTROLS/OPTIONS

STANDARD - R-Bus.On/Off, 0-10v dc, Open Therm High limit protection and low water protection Volt free common alarm and boiler run indication Manual override Safety Interlocks Hours run indication	OPTIONAL - Optimising compensators for single and multiple boilers Cascade kits - multiple boiler pipework kits Low loss headers Outside sensor for simple weather compensation
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ERP DATA ENERGY LABEL

Useful Efficiency - Full Load (GCV)% ⁽³⁾	88.2
Useful Efficiency - Part Load (GCV)% ⁽³⁾	97.4
Sound Power Levels Lwa Indoors dB	61

HYDRAULICS

Water contents ltrs	10.1
Resistance @ 20°C mbar	160
Nom Flow Rate @ 20° C l/s	1.01
Resistance @ 11°C mbar	529
Nom Flow Rate @ 11° C l/s	1.83
Min Flow Rate l/h	340
Condensate Connection	25mm OD
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

ELECTRICAL

Power Supply	230v - 1ph - 50hz
Power Consumption W	24 - 124
Modulating input V dc	0-10
Fuse Rating amps	6.3
Insulation Class IP	IPX1B

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

(2) In accordance with GAR EU 2016 / 426

(3) In accordance with EU 811 / 2013 Energy Labeling Regulations

(4) In accordance with EU 813 / 2013 Eco Design Regulations

(5) @ 80/60 °C Nett (EN 92/42)

(6) @ 50/30 °C nett (92/42)

(*) See installation and service manual

(#) Flue adapter available for CLV systems