

ideal  
HEATING

COMMERCIAL

# EQMAX-L

Stainless steel condensing water heater

L70 / L80 / L100 / L120 – 538L storage



5  
YEAR WARRANTY\*



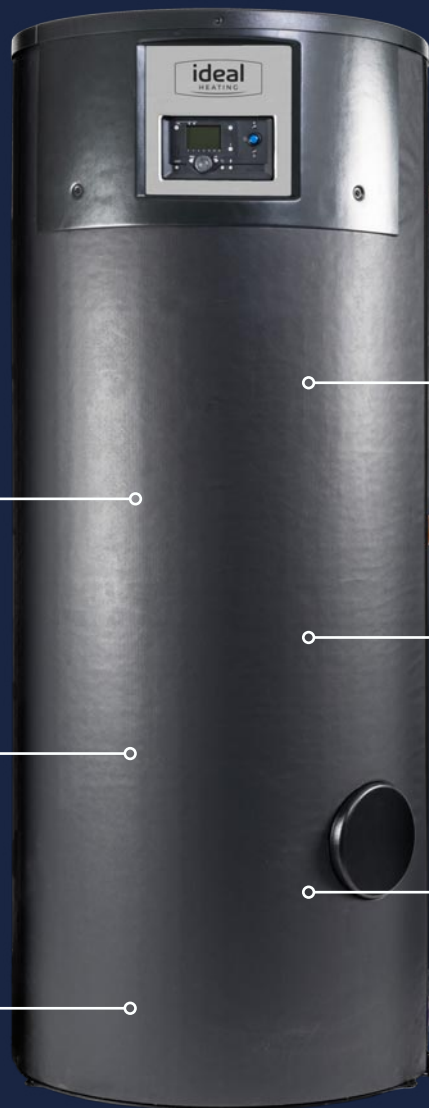
Free  
commissioning



Part L



BIM



Stainless  
steel



For commercial buildings



ErP

# Technical information

- 10 models, outputs from 20kW to 120kW
- 3 storage capacities: 210, 356 and 538 litres
- Can deliver flow rates to satisfy high peak demand environments
- Exceeds all Part L minimum efficiency requirements
- Features a full stainless steel tank, heat exchanger and coil offering a durable solution even in challenging water conditions
- NOx under 40 mg/kWh across the range (Class 6)
- Suitable for natural gas and LPG systems

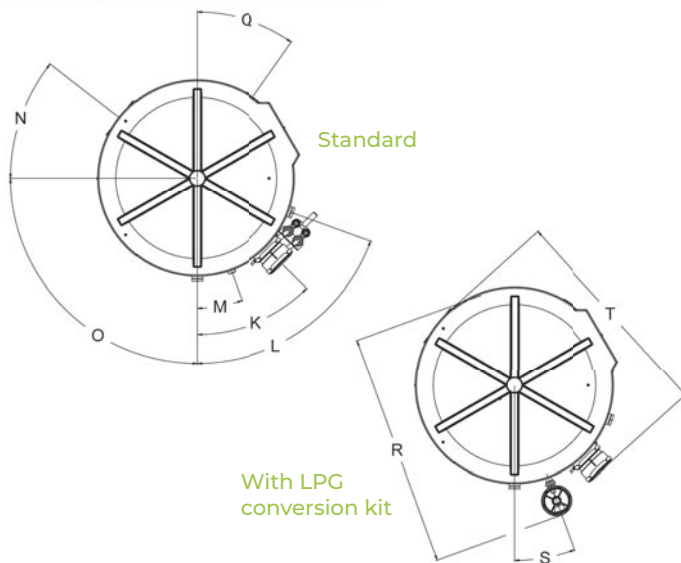
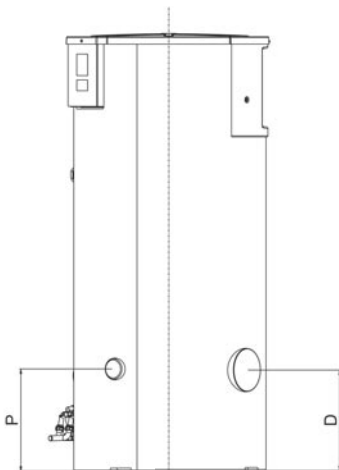
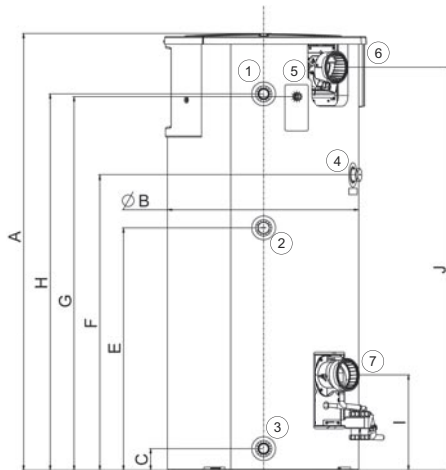


Model:		EQMAX L70	EQMAX L80	EQMAX L100	EQMAX L120	
Energy	Max Heat Input (Gross)	kW	69.9	80	100	120
	Max Power Output (Net)	kW	73.4	84	105	126
	Building regulations Part L, EN89 100% efficiency (NCV)	%	106	106	106	106
	Building regulations Part L, EN89 100% efficiency (GCV)	%	95.5	95.5	95.5	95.5
	Standby Loss	kWh/day	3.2	3.2	3.2	3.2
	Building regulations Part L, Maintenance Consumption (EN89)	kWh/day	5.6	5.6	5.6	5.6
	ErP efficiency rating		A	n/a	n/a	n/a
	Water Heater Efficiency (ErP)	%	92.7	91.3	90.8	90
	ErP Load Profile		3XL	3XL	3XL	3XL
	Storage Capacity	L	538	538	538	538
Water	1st 10 mins at ΔT 50°C	l/10'	475	500	550	600
	1st hour at ΔT 50°C	l/60'	1500	1700	2000	2300
	Continuous Flow at ΔT 50°C	l/hr	1280	1460	1820	2190
	Max DHW temperature setpoint	°C	80	80	80	80
	Max operating pressure (open vented)	bar	7	7	7	7
	Max operating pressure (unvented)	bar	6.5	6.5	6.5	6.5
	Heat-up time 50°C rise	mins	26	23	18	15
	Heat-up time 55°C rise	mins	29	25	20	17
	Gas Inlet Pressure (Nominal nat gas)	mbar	20	20	20	20
	Gas flow rate (Nominal nat gas)	m <sup>3</sup> /hr	7.4	8.5	11	12.7
Gas	Gas Inlet Pressure (Nominal, LPG)	mbar	37	37	37	37
	Gas flow rate (LPG)	m <sup>3</sup> /hr	2.7	3.1	4	4.7
	Max flue gas temperature	°C	100	100	100	100
Flues	Nominal flue gas operating temp	°C	56.8	58.8	59.8	59.3
	Flue gas Volume @15°C	kg/h	104.4	118.8	158.4	187.2
	NOx emissions	mg/kWh	39.5	39.5	39.5	39.5
	Pressure at flue outlet	Pa	65	95	155	200
	Air inlet/Flue outlet diameter	mm	130	130	130	130
	Max system length – concentric flues	m	20	20	20	20
	Electrical Supply	230 V AC (+10%, -15%) 50Hz				
	Fuse rating	amp	6.3	6.3	6.3	6.3
Electrical	Power consumption (maximum)	W	69	90	160	270
	Power consumption (standby)	W	4.5	4.5	4.5	4.5
	Sounds Power Level (LWA)	dBA	67	69	74	78
	Number of Anodes		3	3	3	3
Misc	Dry weight	kg	240	240	240	240
	Filled Weight	kg	778	778	778	778

# Dimensions

## EQMAX L70 / L80 / L100 / L120

### 538L CYLINDER



## CONNECTIONS

EQMAX MODELS – L70 / L80 / L100 / L120	
1 Hot water outlet	Rp 1½"
2 Secondary return	Rp 1½"
3 Cold water inlet	Rp 1½"
4 T&P valve	Rp 1½"
5 Gas inlet	R 1"
6 Air inlet	Ø 130
7 Flue outlet	Ø 130

## CLEARANCES

EQMAX MODELS – L70 / L80 / L100 / L120		
Clearance – front (service)	mm	Min 500
Clearance – sides	mm	500
Clearance – rear	mm	500
Clearance – top	mm	175

## DIMENSIONS

EQMAX MODELS – L70 / L80 / L100 / L120	
A Overall height	2028
B Diameter	Ø 890
C Height to cold water inlet	100
D Height to inspection hatch	467
E Height to secondary return	1129
F Height to T&P valve connection	1373
G Height to gas connection	1735
H Height to hot water outlet	1748
I Height to flue outlet	442
J Height to air inlet	1871
K Angle position of flue outlet	45°
L Angle position of T&P valve fitting	70°
M Angle position of gas connection	20°
N Angle position of inspection hatch	38°
O Angle position of HMI	90°
P Height of lower anode fitting	470
Q Angle position of lower anode fitting	35°
R Overall width with LPG conversion kit	1101
S Angle position of gas connection with LPG conversion kit	20°
T Max installed width	1020

Terms and conditions apply.

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