

# TECHNICAL PRODUCT SUBMITTAL



## Range

### LBF high efficiency gas fired Water Heaters

Nominal Input (net) – kW	5.0
Nominal Input (gross) – kW	5.6
Gas Flow Rate (natural gas) – m <sup>3</sup> /hr	0.52
Nominal Output – kW	4.5
Efficiency (Part L2 Gross CV) – %	80.4
NO <sub>x</sub> Emissions (corrected to 0% O <sub>2</sub> ) – ppm	84
NO <sub>x</sub> Emissions (corrected to 0% O <sub>2</sub> ) – mg/kWh	148
Recovery Rate @ 44°C Δt – l/hr	88
Recovery Rate @ 50°C Δt – l/hr	77
Recovery Rate @ 56°C Δt – l/hr	69
Dimensions (height) – mm	1400
Dimensions (width) – mm	450
Dimensions (depth) – mm	460
Storage Capacity – litres	115
Weight (empty) – kgs	74
Weight (full) – kgs	189
Water Connection – inches BSP Rp (Internal parallel)	½
Gas Connection – inches BSP Rp (Internal parallel)	¾
Flue Diameter (concentric) – mm	38/60
Flue Diameter (twin-pipe) – mm	38/60
Electrical Requirements	230v 1ph 50Hz
Power Consumption – W	26
CO <sub>2</sub> Flue Gas - %	6.0
Maximum Flue Gas Temperature - °C	88
Max Outlet Temperature - °C	74
Max Working Pressure – bar	6.0

Lochinvar **LBF** series high efficiency floor standing\* concentric balanced flued Water Heaters are suitable for use on Natural Gas or LPG.

**Note:** \* Models **LBF81** and **LBF121** are wall mounted units.

The heat exchanger comprises a welded steel tank with an enamel coating on its internal surface.

The flue ways are fitted with steel baffles for maximum heat transfer and the steel tank has foam injected insulation to minimise standby heat losses.

The stainless steel burners ensure maximum heat transfer to the water. Sacrificial magnesium anodes are fitted to offer protection from corrosion.

In-built features include automatic pilot ignition, flame failure protection, operating and high limit thermostats and a 100mm clean out access opening.

**LBF** Water Heaters are suitable for concentric balanced flue installation.

Correx<sup>®</sup> non sacrificial electrical anode protection, and flame failure indication are available from Lochinvar as ancillary options (refer to separate Ancillary Options List for details).

Full warranty terms and conditions are available at [www.lochinvar.ltd.uk](http://www.lochinvar.ltd.uk)

*Lochinvar Ltd reserves the right to change specifications without prior notice.*

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## Model

### LBF121

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5.6
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230v 1ph 50Hz
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