

TECHNICAL PRODUCT SUBMITTAL



Range

LBF high efficiency gas fired Water Heaters

Nominal Input (net) – kW	19.0
Nominal Input (gross) – kW	21.1
Gas Flow Rate (natural gas) – m ³ /hr	1.96
Nominal Output – kW	16.6
Efficiency (Part L2 Gross CV) – %	78.7
NO _x Emissions (corrected to 0% O ₂) – ppm	77
NO _x Emissions (corrected to 0% O ₂) – mg/kWh	136
Recovery Rate @ 44°C Δt – l/hr	325
Recovery Rate @ 50°C Δt – l/hr	286
Recovery Rate @ 56°C Δt – l/hr	255
Dimensions (height) – mm	2105
Dimensions (width) – mm	520
Dimensions (depth) – mm	520
Storage Capacity – litres	160
Weight (empty) – kgs	141
Weight (full) – kgs	301
Water Connection – inches BSP Rp (Internal parallel)	¾
Gas Connection – inches BSP Rp (Internal parallel)	½
Flue Diameter (concentric) – mm	60/100
Flue Diameter (twin-pipe) – mm	80/80
Electrical Requirements	230v 1ph 50Hz
Power Consumption – W	67
CO ₂ Flue Gas - %	6.1
Maximum Flue Gas Temperature - °C	95
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® 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

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

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Model

LBF171

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