

PRODUCT SPECIFICATION CLAUSE

SHW86-410CE ECOSHIELD™ GAS FIRED CONDENSING WATER HEATER

The Water Heater shall be a Lochinvar ECOSHIELD™ MODEL SHW86-410CE circulating type Water Heater with a stainless steel heat exchanger, integral direct storage vessel featuring a 5-year warranty and a high velocity shunt pump. The Water Heater shall be equipped with electronic ignition, ionisation control and a fully modulating burner all controlled by a microprocessor. The stainless steel Alcromesh burner is designed to provide continuous modulation from 100% to 20% by controlling the gas/air ratio, and low emissions of NOx and CO₂. Cathodic protection is provided by Magnesium anodes fitted to allow for side access for ease of maintenance.

Specifications shall be as follows:-

- Gross nominal input of 83.5kW (75.2kW net)
- Hot water recovery rate of 1379 litres per hour at a 50°C temperature rise
- CE Certified with a Part L2 Gross CV Efficiency of 96%
- NOx emissions of no more than 33mg/kWh at 0% O₂ according to EN89
- 5 year warranty on direct storage vessel
- Storage vessel clean out door
- Integral temperature control

Ancillaries

- Correx[™] Electrical anode system
- Condensate neutralisation kit

Flue Installation

- Concentric balanced flue
- Parallel twin pipe balanced flue
- Conventional flue
- To be advised

ErP Data

Energy Efficiency – 79%

Energy Label Rating

• N/A

Energy label, Product fiche and ErP Data table are available at www.lochinvar.ltd.uk