

## **PRODUCT SPECIFICATION CLAUSE**

### **EKW86CE ECOKNIGHT™ FLOOR STANDING GAS FIRED CONDENSING WATER HEATER**

The **Water Heater** shall be a **Lochinvar EcoKnight™ EKW86CE floor standing condensing gas fired Water Heater** with a stainless steel heat exchanger, and A rated high efficiency primary 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 Alcomesh burner is designed to provide continuous modulation from 100% to 20% by controlling the gas/air ratio, with low emissions of NOx and CO<sub>2</sub>.

**The EcoKnight™ water heater must be installed with one or more LST direct storage vessels.**

Specifications shall be as follows:-

- Gross nominal input of 83.5kW (75.2kW net)
- CE Certified with a Part L2 Seasonal Efficiency of 96%
- NOx emissions of Class 6 and no more than 34mg/kWh at 0% O<sub>2</sub>
- Capable of producing 1379l/hr continuous at a 50°C temperature rise
- 5 year warranty on heat exchanger
- Integral Smart system control featuring as standard:
  - Multi coloured graphic LCD display
  - Cascade control
  - Water Heater status in words not code
  - Primary shunt pump speed control
  - DHW Vessel and shunt pump control

Ancillaries (delete as required)

- Condensate neutralisation kit

Flue Installation (delete as required)

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

In addition to the PartL, data above the Water Heater shall have an ErP rating as below:

**Water heating heating energy efficiency – 94%**

Energy Label Rating

N/A

Energy label, Product fiche and ErP Data tables are available at [www.lochinvar.ltd.uk](http://www.lochinvar.ltd.uk)

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