

PRODUCT SPECIFICATION CLAUSE

EKW46CE ECKNIGHT™ FLOOR STANDING GAS FIRED CONDENSING WATER HEATER

The **Water Heater** shall be a **Lochinvar EcoKnight™ EKW46CE floor standing circulating type 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 CO₂.

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

Specifications shall be as follows:-

- Gross nominal input of 44kW (39.6kW net)
- CE Certified with a Part L2 Seasonal Efficiency of 93.7%
- NOx emissions Class 6 and no more than 33mg/kWh at 0% O₂
- Capable of producing 709l/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 energy efficiency – 95%

Energy Label Rating

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

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