

## **PRODUCT SPECIFICATION CLAUSE**

### **HCB146CE HERALD FLOOR STANDING GAS FIRED CONDENSING BOILER**

The **Boiler** shall be a **Lochinvar Herald HCB146CE floor standing condensing gas boiler** with a stainless steel heat exchanger, and A rated high efficiency primary shunt pump. The Boiler 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 NO<sub>x</sub> and CO<sub>2</sub>.

Specifications shall be as follows:-

- Gross nominal input of 146.5kW (132kW net)
- CE Certified with a Part L2 Seasonal Efficiency of 96.7%
- NO<sub>x</sub> emissions of Class 6 and no more than 40mg/kWh at 0% O<sub>2</sub>
- 10 year warranty on heat exchanger
- Integral Smart system control featuring as standard:
  - Cascade control
  - Weather compensation
  - Boiler status in words not code
  - Primary shunt pump speed control
  - DHW Vessel and shunt pump control

#### **CON-X-US (Delete if not fitted)**

The boiler shall be equipped with a remote monitoring App allowing remote connection via WI-FI or Ethernet cable. The App shall be freely available via any smartphone without monthly fee. The App shall allow the following functions:

- Remote monitoring of boiler and system status
- Remote changes to boiler and system settings
- Email or text notification of blocking and lockout faults
- Email or text notification of service due

#### Ancillaries (delete as required)

- Condensate neutralisation kit

#### Flue Installation (delete as required)

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

In addition to the Part L, data above the boiler shall have an ErP rating as below:

**Seasonal space 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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