

TECHNICAL PRODUCT SUBMITTAL

EcoKnight EKW206CE



| | | |
|--|--------------------|-----------------|
| Nominal Input (net) | kW | 184.9 |
| Nominal Input (gross) | kW | 205.2 |
| Gas Flow Rate (natural gas) | m ³ /hr | 19.6 |
| Nominal Output | kW | 187.4 |
| EFFICIENCY DATA-Part L2 | | |
| Heat generator seasonal efficiency | % | 91.3 |
| Effective heat generator seasonal efficiency * | % | 93.8 |
| EFFICIENCY DATA-ErP and Energy Label | | |
| Ecodesign Energy Label rating | | n/a |
| Seasonal space heating energy efficiency | % | 95 |
| GENERAL DATA | | |
| NOx emission @0% O ₂ | mg/kWh | 34 |
| Recovery Rate @ 44°C | l/hr | 3865 |
| Recovery Rate @ 50°C | l/hr | 3401 |
| Recovery Rate @ 56°C | l/hr | 3037 |
| Dimensions (height) | mm | 1080 |
| Dimensions (width) | mm | 395 |
| Dimensions (depth) | mm | 1024 |
| Water Content | litres | 18.9 |
| Weight (empty) | kg | 168 |
| Weight (full) | kg | 187 |
| Flow Connection (inches) | BSP | 2 |
| Return Connection (inches) | BSP | 2 |
| Gas Connection (inches) | BSP | 1 |
| Electrical Requirements | | 230V /1Ph/ 50hz |
| Power Consumption | W | 322 |
| Sound Power Level | LWA(db) | 69 |
| Maximum Flue Gas Temperature | °C | 120 |
| Max Outlet Temperature | °C | 88 |
| Maximum Working Pressure | bar | 11 |

* The effective heat generator seasonal efficiency is the heat generator seasonal efficiency plus heating efficiency credits gained by adopting additional measures from Table 31 of the non-domestic compliance guide.

1. Fully automatic ignition controls 0.5%
2. Correct sizing of unit confirmed using manufacturers technical helpline and sizing software 2%

EcoKnight water heaters must be installed and maintained in line with the Installation Commissioning and Maintenance Instructions which are available on the Literature & Downloads section of www.lochinvar.ltd.uk

Particular attention should be made to:-

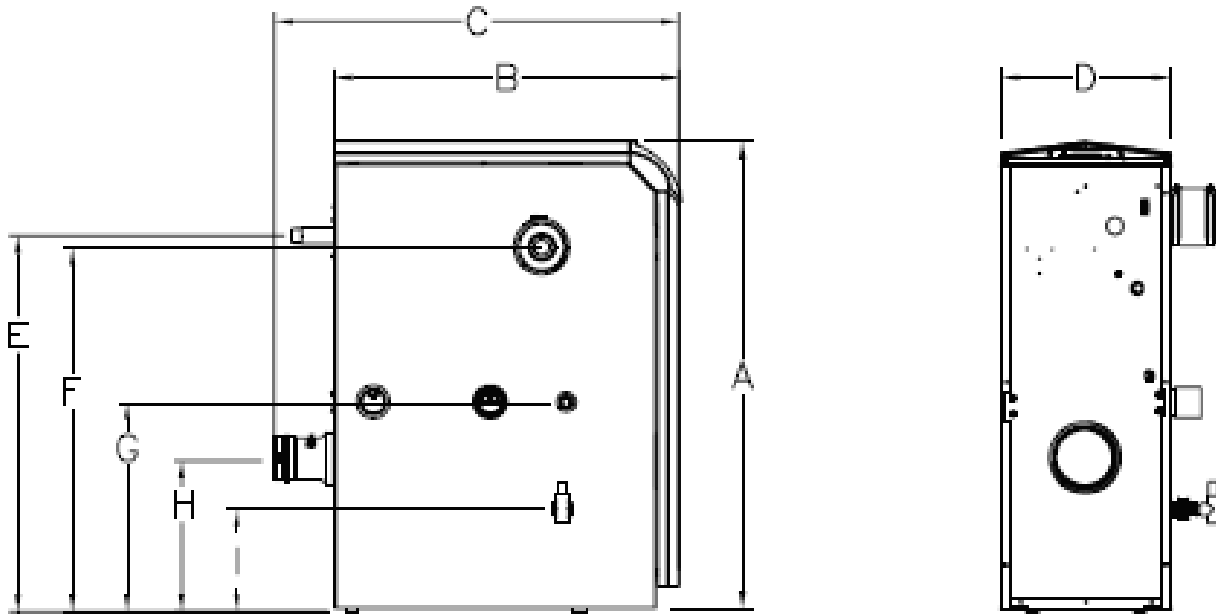
- Correct sizing of associated buffer vessel
- Dimensions and clearances
- Vented and Unvented installation requirements
- maintenance

ErP and Warranty

ErP Data including Product Fiche and Energy Labels where applicable and Warranty information are also available at www.lochinvar.ltd.uk

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EcoKnight EKW206CE



| Description | | | Model | | | | | |
|-------------|-----------------------|----|---------|----------|----------|----------|----------|----------|
| | | | EKW86CE | EKW116CE | EKW146CE | EKW176CE | EKW206CE | EKW236CE |
| A | Height | mm | 1080 | 1080 | 1080 | 1080 | 1080 | 1080 |
| B | Depth | mm | 503 | 688 | 798 | 925 | 1024 | 1153 |
| C | Depth inc Flue Outlet | mm | 715 | 828 | 938 | 1065 | 1164 | 1293 |
| D | Width | mm | 395 | 395 | 395 | 395 | 395 | 395 |
| E | Gas Connection | mm | 788 | 860 | 887 | 833 | 833 | 834 |
| F | Air Inlet | mm | 860 | 860 | 887 | 915 | 915 | 915 |
| G | Water Connections | mm | 477 | 477 | 477 | 477 | 477 | 477 |
| H | Flue Outlet | mm | 350 | 350 | 350 | 350 | 350 | 350 |
| I | Condense Outlet | mm | 230 | 230 | 230 | 230 | 230 | 230 |

| Connection Sizes | | | Model | | | | | |
|------------------|-------------------|-----|---------|----------|----------|----------|----------|----------|
| | | | EKW86CE | EKW116CE | EKW146CE | EKW176CE | EKW206CE | EKW236CE |
| E | Gas Connection | BSP | ¾" | 1" | 1" | 1" | 1" | 1" |
| F | Air Inlet | mm | 100 | 100 | 150 | 150 | 150 | 150 |
| G | Water Connections | BSP | 2" | 2" | 2" | 2" | 2" | 2" |
| H | Flue Outlet | mm | 100 | 100 | 150 | 150 | 150 | 150 |
| I | Condense Outlet | PVC | ½" | ½" | ½" | ½" | ½" | ½" |