EcoKnight gas fired condensing water heaters

Key features include:

- Smart system controls
- Stainless Steel heat exchanger
- 11 bar maximum working pressure

<table>
<thead>
<tr>
<th>Model</th>
<th>EKW 86CE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Input (net) kW</td>
<td>75.2</td>
</tr>
<tr>
<td>Nominal Input (gross) kW</td>
<td>83.5</td>
</tr>
<tr>
<td>Gas Flow Rate (natural gas) m³/hr</td>
<td>8</td>
</tr>
<tr>
<td>Nominal Output kW</td>
<td>79.7</td>
</tr>
</tbody>
</table>

**EFFICIENCY DATA-Part L2**

Seasonal Efficiency (Part L2 Gross CV) % | 95.4 |

**EFFICIENCY DATA-ErP and Energy Label**

Ecodesign Energy Label rating n/a

Seasonal space heating energy efficiency % | 94 |

**GENERAL DATA**

NOx emission @0% O2 According to EN15502 mg/kWh | 33.1 |

Recovery Rate @ 44°C l/hr | 1567 |

Recovery Rate @ 50°C l/hr | 1379 |

Recovery Rate @ 56°C l/hr | 1231 |

Dimensions (height) mm | 1080 |

Dimensions (width) mm | 395 |

Dimensions (depth) mm | 503 |

Water Content litres | 9.1 |

Weight (empty) kg | 102 |

Weight (full) kg | 111 |

Flow Connection (inches) BSP | 2 |

Return Connection (inches) BSP | 2 |

Gas Connection (inches) BSP | ¾ |

Electrical Requirements

Power Consumption W | 180 |

Sound Power Level LWA(db) | 62 |

Maximum Flue Gas Temperature °C | 120 |

Max Outlet Temperature °C | 88 |

Working Pressure Maximum bar | 11 |

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:-

- Dimensions and clearances page 10
- Vented and Unvented installation requirements page 40
- Water quality page 13

ErP and Warranty

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