TECHNICAL PRODUCT SUBMITTAL

CPM SP Cascade Boiler package

Key features:
- Full cascade header kit
- On Board controls
- Stainless Steel heat exchanger

<table>
<thead>
<tr>
<th>Model</th>
<th>CPM SP232</th>
</tr>
</thead>
</table>

| Number of Boilers in the cascade | 2 |
| Nominal Input (net) kW | 222 |
| Nominal Input (gross) kW | 246 |
| Gas Flow Rate (natural gas) m3/hr | 23.6 |
| Output @50/30°C kW | 232 |
| Output @80/60°C kW | 212 |

**EFFICIENCY DATA - Part L2**
- Net Efficiency (full load) % | 95 |
- Net Efficiency (part load) % | 108.2 |
- Seasonal Efficiency (Part L2 Gross CV) % | 95.2 |

**EFFICIENCY DATA - ErP and Energy Label**
- Ecodesign Energy Label rating | n/a |
- Seasonal space heating energy efficiency % | 92.6 |

**GENERAL DATA**
- NOx emission @0% O2 mg/kWh | 37.41 |
- Dimensions (height to flue) mm | 1948 |
- Dimensions (width) mm | 1358 |
- Dimensions (depth) mm | 610 |
- Water Content litres | 8.3 |
- Weight (empty) kg | 78 |
- Weight (full) kg | 86.3 |
- Flow Connection (inches) BSP | 1½ |
- Return Connection (inches) BSP | 1½ |
- Gas Connection (inches) BSP | 1½ |

**Electrical Requirements**
- Maximum Power Consumption W | 300 |
- Sound Power Level LWA(db) | 62 |
- Maximum Flue Gas Temperature °C | 120 |
- Max Flow Temperature °C | 90 |
- Working Pressure Min bar | 1.0 |
- Working Pressure Max * bar | 4.0 |

*Can be used at 6 bar utilising the optional external pressure switch

**Installation and Maintenance Information**

CPM SP Boilers 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](http://www.lochinvar.ltd.uk)

Please refer to the Installation, Commission and Maintenance instructions (ICM) for information on:
- Dimensions and clearances – page 9
- Air & Dirt Separators – page 19
- Water quality – page 19

**ErP and Warranty**

ErP Data including Product Fiche and Energy Labels where applicable and Warranty information are also available at [www.lochinvar.ltd.uk](http://www.lochinvar.ltd.uk)