

# TECHNICAL PRODUCT SUBMITTAL



## CPM SP Cascade Boiler package

### Key features:

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

### Model CPM SP232

Number of Boilers in the cascade		2
Nominal Input (net)	kW	222
Nominal Input (gross)	kW	246
Gas Flow Rate (natural gas)	m <sup>3</sup> /hr	23.6
Output @50/30°C	kW	232
Output @80/60°C	kW	212
<b>EFFICIENCY DATA - Part L2</b>		
Net Efficiency (full load)	%	95
Net Efficiency (part load)	%	108.2
Seasonal Efficiency (Part L2 Gross CV)	%	95.2
<b>EFFICIENCY DATA - ErP and Energy Label</b>		
Ecodesign Energy Label rating		n/a
Seasonal space heating energy efficiency	%	92.6
<b>GENERAL DATA</b>		
NOx emission @0% O <sub>2</sub>	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	1¼
<b>Electrical Requirements</b>		
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)