

# TECHNICAL PRODUCT SUBMITTAL



## CPM Gas Fired Condensing Boilers

Key features:

- Integral A-rated modulating pump
- On board controls
- Stainless Steel heat exchanger

### Model CPM 144

Nominal Input (gross)	kW	153
Gas Flow Rate (natural gas)	m <sup>3</sup> /hr	14.6
Output @50/30°C	kW	144
Output @80/60°C	kW	132
<b>EFFICIENCY DATA - Part L2</b>		
Net Efficiency (full load)	%	96.3
Net Efficiency (part load)	%	107.8
Seasonal Efficiency (Part L2 Gross CV)	%	95.1
<b>EFFICIENCY DATA - ErP and Energy Label</b>		
Ecodesign Energy Label rating		n/a
Seasonal space heating energy efficiency	%	92.3
<b>GENERAL DATA</b>		
NOx emission @0% O <sub>2</sub>	mg/kWh	33.57
Dimensions (height to flue)	mm	1023
Dimensions (width)	mm	460
Dimensions (depth)	mm	677
Water Content	litres	10.4
Weight (empty)	kg	92
Weight (full)	kg	102
Flow Connection (inches)	BSP	1½
Return Connection (inches)	BSP	1½
Gas Connection (inches)	BSP	1
<b>Electrical Requirements</b>		230V /1Ph/ 50hz
Maximum Power Consumption	W	505
Sound Power Level	LWA(db)	66
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** Boilers must be installed and maintained in line with Installation Commissioning and Maintenance (ICM) Instructions which are available on the Literature & Downloads section of [www.lochinvar.ltd.uk](http://www.lochinvar.ltd.uk)

Please refer to the ICM for information on :-

- Dimensions and clearances – page 8
- Air & Dirt Separators – page 16
- Old Heating systems / system protection – page 18

### 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)