

# TECHNICAL PRODUCT SUBMITTAL



## CPM Gas Fired Condensing Boilers

Key features:

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

### Model CPM 77

Nominal Input (gross)	kW	82
Gas Flow Rate (natural gas)	m <sup>3</sup> /hr	7.9
Output @50/30°C	kW	77
Output @80/60°C	kW	71
<b>EFFICIENCY DATA - Part L2</b>		
Net Efficiency (full load)	%	96.3
Net Efficiency (part load)	%	107.6
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	%	92.2
<b>GENERAL DATA</b>		
NOx emission @0% O <sub>2</sub>	mg/kWh	32.04
Dimensions (height to flue)	mm	977
Dimensions (width)	mm	460
Dimensions (depth)	mm	486
Water Content	litres	5
Weight (empty)	kg	73
Weight (full)	kg	78
Flow Connection (inches)	BSP	1½
Return Connection (inches)	BSP	1½
Gas Connection (inches)	BSP	¾
<b>Electrical Requirements</b>		230V /1Ph/ 50hz
Maximum Power Consumption	W	265
Sound Power Level	LWA(db)	67
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)