

TECHNICAL PRODUCT SUBMITTAL



TTB Gas condensing boiler

Key features Include:

- Twin on board controls
- Twin Stainless steel heat exchangers
- Small footprint

Model TTB410

Nominal Input (gross)	kW	55.4 - 444
Gas Flow Rate (natural gas)	m ³ /hr	5.3 - 42.3
Output @50/30°C	kW	52.2 - 418
Output @80/60°C	kW	48.3 - 386
EFFICIENCY DATA-Part L2		
Net Efficiency (full load)	%	96.5
Net Efficiency (part load)	%	108.2
Seasonal Efficiency (Part L2 Gross CV)	%	96
EFFICIENCY DATA-ErP and Energy Label		
Ecodesign Energy Label rating		n/a
Seasonal space heating energy efficiency	%	92.5
GENERAL DATA		
NOx emission @0% O ₂	mg/kWh	44
Dimensions (height)	mm	1617
Dimensions (width)	mm	736
Dimensions (depth to pipework connections)	mm	1225
Water Content	litres	30
Weight (empty)	kg	400
Weight (full)	kg	430
Flow Connection (inches)	BSP	R2½
Return Connection (inches)	BSP	R2½
Gas Connection (inches)	BSP	R2
Electrical Requirements		230V /1Ph/ 50hz
Power Consumption	W	960
Sound Power Level	LWA(db)	74
Maximum Flue Gas Temperature	°C	90
Max Flow Temperature	°C	85
Working Pressure Minimum	bar	1.0
Working Pressure Maximum	bar	*4.0

* A water pressure switch may be fitted to the appliance allowing a maximum pressure of 6 bar.

Installation and Maintenance Information

TTB 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

Particular attention should be made to:-

- Dimensions and clearances – page 9
- Water Quality – page 14
- Flue System – page 17

ErP and Warranty

ErP and Warranty information is also available at www.lochinvar.ltd.uk