

# TECHNICAL PRODUCT SUBMITTAL

## TTB410



Nominal Input (gross)	kW	444
Gas Flow Rate (natural gas)	m3/hr	42.3
Output @50/30°C	kW	418
Output @55/35°C	kW	412
Output @80/60°C	kW	386
<b>EFFICIENCY DATA-Part L2</b>		
Seasonal Efficiency (@80/60°C According to EN15502)	%	95.5
Seasonal Efficiency (@55/35°C According to EN15502)	%	96.9
<b>EFFICIENCY DATA-ErP and Energy Label</b>		
Ecodesign Energy Label rating		n/a
Seasonal space heating energy efficiency	%	92.5
<b>GENERAL DATA</b>		
NOx emission @0% O2	mg/kWh	42
Dimensions (height )	mm	1638
Dimensions (width)	mm	736
Dimensions (depth)	mm	1094
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	R1½
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
Minimum Working Pressure	bar	1.0
Maximum Working Pressure	bar	4.0

**TTB 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)

Particular attention should be made to:-

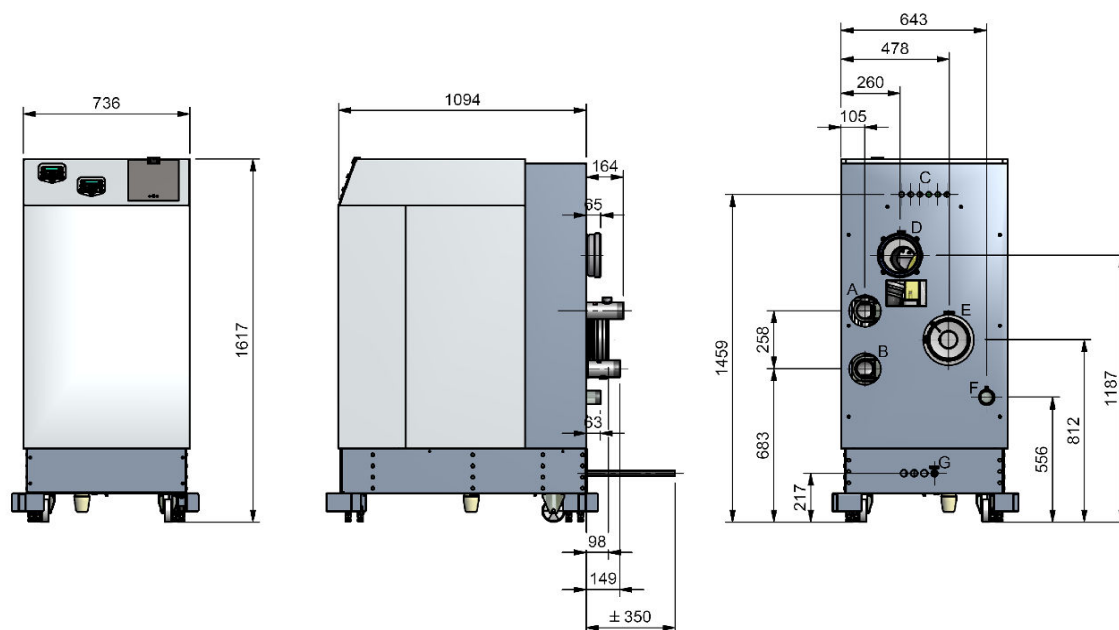
- Dimensions and clearances
- Vented and Unvented installation requirements
- maintenance

### **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)

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Item	Description	Unit	TTB410	TTB580
			Size	Size
A	water flow (outlet)	Inch	2½"	2½"
B	water return (inlet)	Inch	2½"	2½"
C	cable input	mm	Ø 22,5	Ø 22,5
D	combustion air inlet	mm	180	180
E	flue terminal	mm	180	180
F	gas connection	Inch	2"	2"
G	condensate discharge hose	mm	Ø 25	Ø 25