

TECHNICAL PRODUCT SUBMITTAL



EcoShield gas fired condensing water heaters

Key features Include:

- On board controls
- Enamel lined storage vessel
- Stainless Steel heat exchanger

Stainless steel heat exchanger

Nominal Input (net)	kW	105.3
Nominal Input (gross)	kW	116.9
Gas Flow Rate (natural gas)	m3/hr	11.1
Nominal Output	kW	110.6
EFFICIENCY DATA-Part L2		
Efficiency (Part L2 Gross CV)	%	94.6
NOx emission @0% O2 According to EN89	mg/kWh	40.0
EFFICIENCY DATA-ErP and Energy Label		
Ecodesign Energy Label rating		n/a
Water Heater efficiency	%	78
GENERAL DATA		
Recovery Rate @ 44°C	l/hr	2164
Recovery Rate @ 50°C	l/hr	1904
Recovery Rate @ 56°C	l/hr	1700
Dimensions (height)	mm	1920
Dimensions (diameter)	mm	865
Storage Capacity	litres	410
Weight (empty)	kg	388
Weight (full)	kg	838
Insulation Thickness	mm	50
Insulation Material		Polyurethane
Hot Outlet Connection (inches)	BSP	2
Cold Feed Connection (inches)	BSP	2
Gas Connection (inches)	BSP	R1
Electrical Requirements		230V /1Ph/ 50hz
Power Consumption	W	932
Sound Power Level	LWA(db)	64
Maximum Flue Gas Temperature	°C	120
Max Outlet Temperature	°C	80
Maximum Working Pressure	bar	10

Model SHW116-410CE

EcoShield water heaters 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

Particular attention should be made to:-

- Dimensions and clearances – Page 9 and 12
- Vented and Unvented installation requirements – Page 23 to 26
- Water side maintenance – Page 42 and 43

ErP and Warranty

ErP Data including Product Fiche and Energy Labels where applicable and Warranty information are also available at www.lochinvar.ltd.uk