

TECHNICAL PRODUCT SUBMITTAL

EcoKnight EKW116CE



Nominal Input (net)	kW	105.3
Nominal Input (gross)	kW	116.9
Gas Flow Rate (natural gas)	m ³ /hr	11.1
Nominal Output	kW	110.6
EFFICIENCY DATA-Part L2		
Heat generator seasonal efficiency	%	94.6
Effective heat generator seasonal efficiency *	%	97.1
EFFICIENCY DATA-ErP and Energy Label		
Ecodesign Energy Label rating		n/a
Seasonal space heating energy efficiency	%	93
GENERAL DATA		
NOx emission @0% O ₂	mg/kWh	40
Recovery Rate @ 44°C	l/hr	2164
Recovery Rate @ 50°C	l/hr	1904
Recovery Rate @ 56°C	l/hr	1700
Dimensions (height)	mm	1080
Dimensions (width)	mm	395
Dimensions (depth)	mm	688
Water Content	litres	12.9
Weight (empty)	kg	129
Weight (full)	kg	142
Flow Connection (inches)	BSP	2
Return Connection (inches)	BSP	2
Gas Connection (inches)	BSP	1
Electrical Requirements		230V /1Ph/ 50hz
Power Consumption	W	180
Sound Power Level	LWA(db)	64
Maximum Flue Gas Temperature	°C	120
Max Outlet Temperature	°C	88
Maximum Working Pressure	bar	11

* The effective heat generator seasonal efficiency is the heat generator seasonal efficiency plus heating efficiency credits gained by adopting additional measures from Table 31 of the non-domestic compliance guide.

1. Fully automatic ignition controls 0.5%
2. Correct sizing of unit confirmed using manufacturers technical helpline and sizing software 2%

EcoKnight 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:-

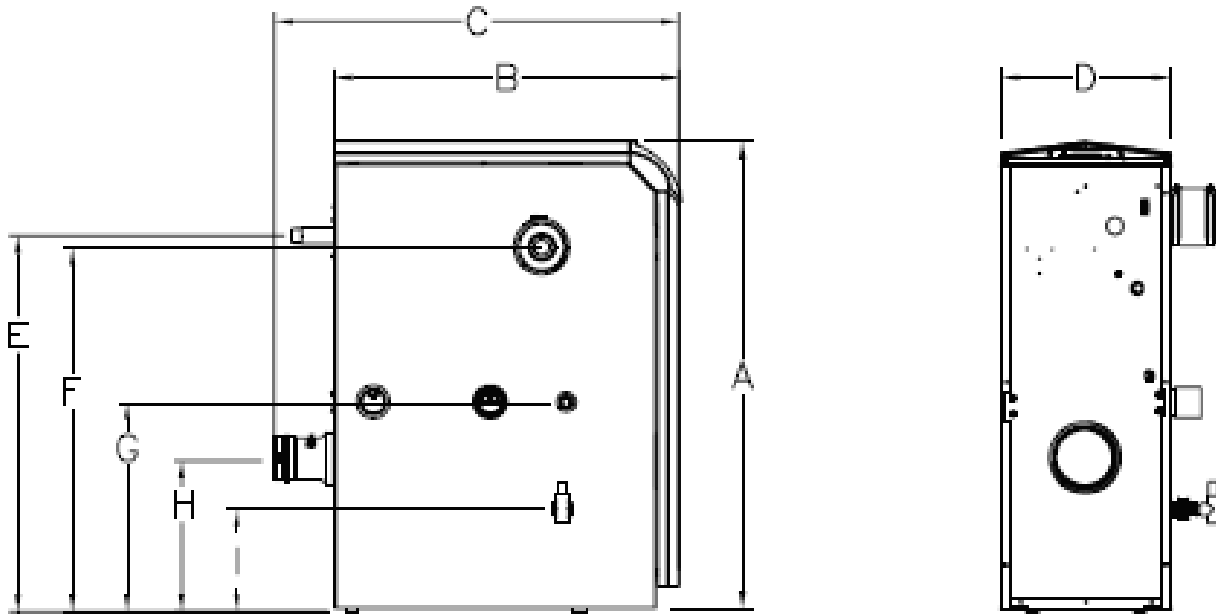
- Correct sizing of associated buffer vessel
- Dimensions and clearances
- Vented and Unvented installation requirements
- maintenance

ErP and Warranty

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

TECHNICAL PRODUCT SUBMITTAL

EcoKnight EKW116CE



Description			Model					
			EKW86CE	EKW116CE	EKW146CE	EKW176CE	EKW206CE	EKW236CE
A	Height	mm	1080	1080	1080	1080	1080	1080
B	Depth	mm	503	688	798	925	1024	1153
C	Depth inc Flue Outlet	mm	715	828	938	1065	1164	1293
D	Width	mm	395	395	395	395	395	395
E	Gas Connection	mm	788	860	887	833	833	834
F	Air Inlet	mm	860	860	887	915	915	915
G	Water Connections	mm	477	477	477	477	477	477
H	Flue Outlet	mm	350	350	350	350	350	350
I	Condense Outlet	mm	230	230	230	230	230	230

Connection Sizes			Model					
			EKW86CE	EKW116CE	EKW146CE	EKW176CE	EKW206CE	EKW236CE
E	Gas Connection	BSP	¾"	1"	1"	1"	1"	1"
F	Air Inlet	mm	100	100	150	150	150	150
G	Water Connections	BSP	2"	2"	2"	2"	2"	2"
H	Flue Outlet	mm	100	100	150	150	150	150
I	Condense Outlet	PVC	½"	½"	½"	½"	½"	½"