

TECHNICAL PRODUCT SUBMITTAL

EcoKnight EKW46CE



Nominal Input (net)	kW	39.6
Nominal Input (gross)	kW	44
Gas Flow Rate (natural gas)	m3/hr	4.2
Nominal Output	kW	41.2
EFFICIENCY DATA-Part L2		
Heat generator seasonal efficiency	%	93.6
Effective heat generator seasonal efficiency *	%	96.1
EFFICIENCY DATA-ErP and Energy Label		
Ecodesign Energy Label rating		A
Seasonal space heating energy efficiency	%	95
GENERAL DATA		
NOx emission @0% O2	mg/kWh	33
Recovery Rate @ 44°C	l/hr	806
Recovery Rate @ 50°C	l/hr	709
Recovery Rate @ 56°C	l/hr	633
Dimensions (height)	mm	840
Dimensions (width)	mm	395
Dimensions (depth)	mm	459
Water Content	litres	4.9
Weight (empty)	kg	75
Weight (full)	kg	80
Flow Connection (inches)	BSP	1¼
Return Connection (inches)	BSP	1¼
Gas Connection (inches)	BSP	½
Electrical Requirements		230V /1Ph/ 50hz
Power Consumption	W	120
Sound Power Level	LWA(db)	58
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:-

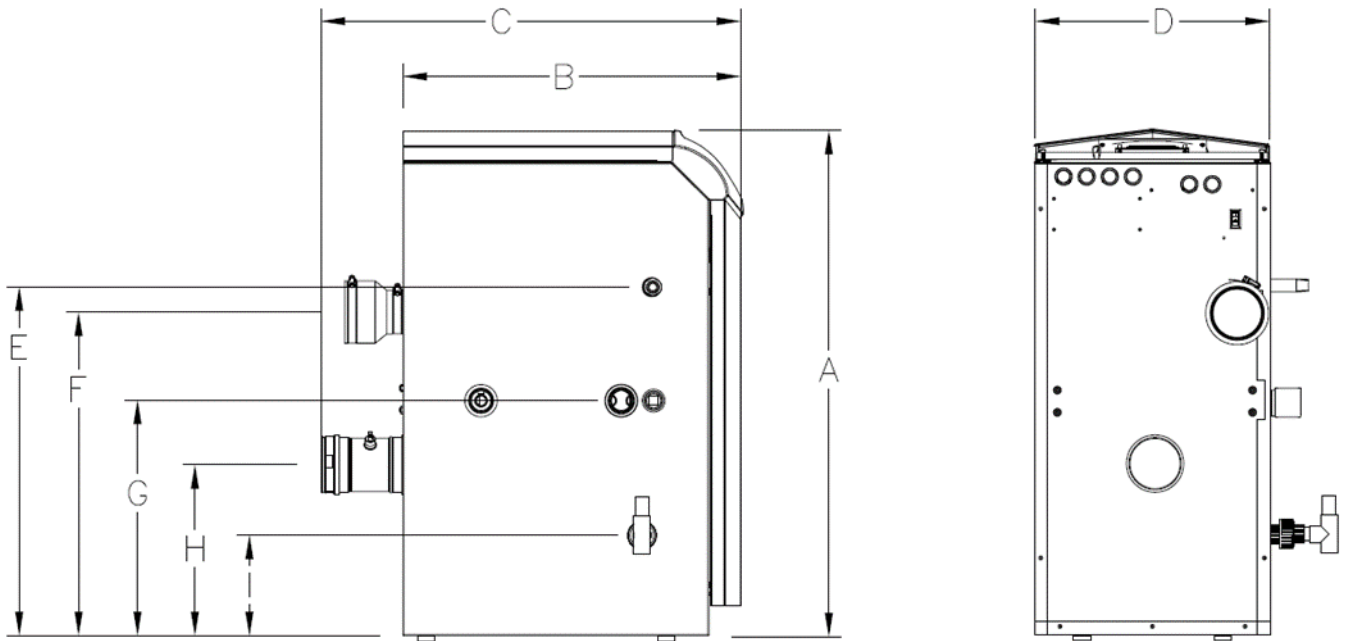
- Correct sizing of associated buffer vessel
- Dimensions and clearances
- Vented and Unvented installation requirements
- maintenance

ErP and Warranty

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

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Description			Model	
			EKW46CE	EKW61CE
A	Height	mm	840	840
B	Depth	mm	459	567
C	Depth inc Flue Outlet	mm	599	707
D	Width	mm	395	395
E	Gas Connection	mm	582	582
F	Air Inlet	mm	540	540
G	Water Connections	mm	390	390
H	Flue Outlet	mm	286	286
I	Condense Outlet	mm	167	167

Connection Sizes			Model	
			EKW46CE	EKW61CE
E	Gas Connection	BSP	½"	½"
F	Air Inlet	mm	80	80
G	Water Connections	BSP	1¼"	1¼"
H	Flue Outlet	mm	80	80
I	Condense Outlet	PVC	½"	½"