

# TECHNICAL PRODUCT SUBMITTAL

## EcoSword LGC285-420



Nominal Input (net)	kW	22.2
Nominal Input (gross)	kW	24.4
Gas Flow Rate (natural gas)	m3/hr	2.33
Nominal Output	kW	23.8
<b>EFFICIENCY DATA-Part L2</b>		
Seasonal Efficiency (Part L2 Gross CV)	%	97.3
Maintenance consumption value	MJ/M	289
Maintenance consumption value	kW/24Hr	1.83
<b>EFFICIENCY DATA-ErP and Energy Label</b>		
Ecodesign Energy Label rating		A
Water Heater efficiency	%	91
<b>GENERAL DATA</b>		
NOx emission @0% O2	mg/kWh	33
Recovery Rate @ 44°C	l/hr	466
Recovery Rate @ 50°C	l/hr	410
Recovery Rate @ 56°C	l/hr	366
Dimensions (height )	mm	1743
Dimensions (diameter)	mm	610
Storage Capacity	litres	291
Weight (empty)	kg	136
Weight (full)	kg	427
Insulation Thickness	mm	50
Insulation Material		Polyurethane
Hot Outlet Connection (inches)	BSP	1"
Cold Feed Connection (inches)	BSP	1"
Gas Connection (inches)	BSP	15
Electrical Requirements		230V/1Ph/50hz
Power Consumption	W	105
Sound Power Level	LWA(db)	53
Maximum Flue Gas Temperature	°C	57
Max Outlet Temperature	°C	85
Maximum Working Pressure	bar	8.0

**EcoSword 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](http://www.lochinvar.ltd.uk)

Particular attention should be made to:-

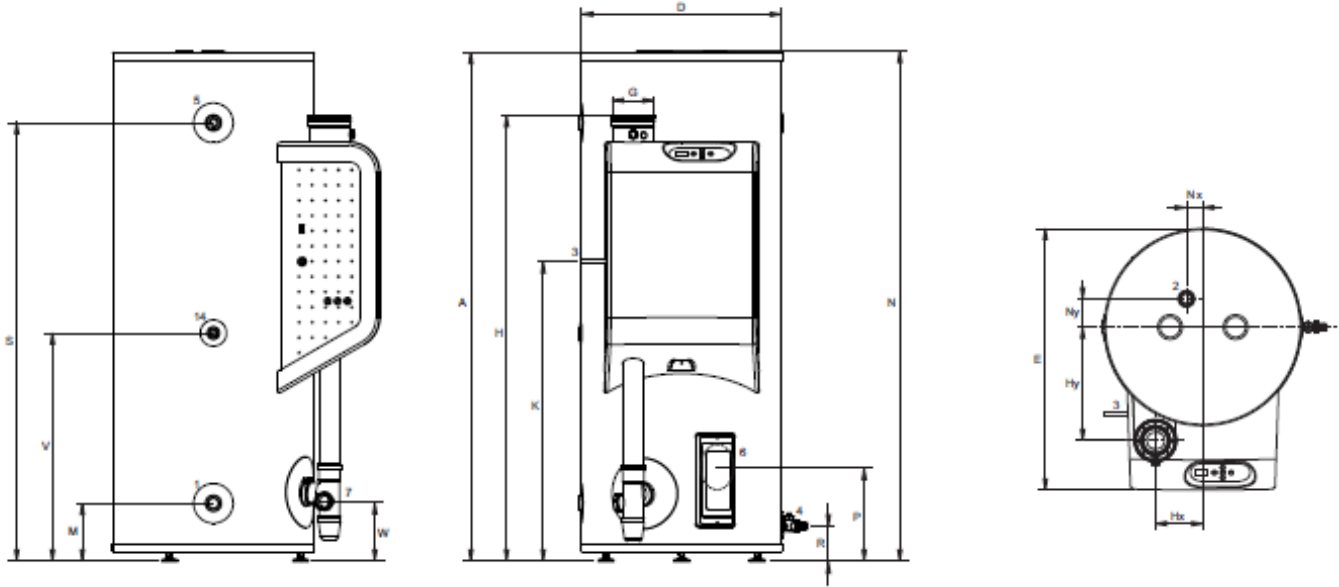
- Dimensions and clearances
- Vented and Unvented installation requirements
- maintenance

### **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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Size	Description	Unit	LGC 245-420	LGC 245-560	LGC 285-420	LGC 285-560	LGC 380-560
A	Total Height	mm	1545	1545	1745	1745	1745
D	Width	mm	610	610	610	610	675
E	Depth	mm	810	810	810	810	875
H	Height of Flue Gas Outlet / Air Supply	mm	1350	1350	1350	1350	1350
Hx	x-Position Flue Gas Outlet	mm	145	145	145	145	145
Hy	y-Position Flue Gas Outlet	mm	350	350	350	350	385
K	Height of Gas Connection	mm	910	910	910	910	910
M	Height of Cold Water Inlet	mm	175	175	175	175	175
N	Height of Hot Water Outlet	mm	1545	1545	1745	1745	1745
Nx	x-Position of Hot Water Outlet	mm	50	50	50	50	50
Ny	y-Position of Hot Water Outlet	mm	90	90	90	90	90
P	Height of Cleaning / Inspection Opening	mm	280	280	280	280	280
R	Height of Drain Valve Connection	mm	105	105	105	105	105
S	Height of T&P-valve Connection	mm	1330	1330	1535	1535	1520
V	Height Recirculation Connection	mm	690	690	690	690	690
W	Height of Condensation Connection (male)	mm	180	180	180	180	180
1	Connection Cold Water Inlet (male)	-	Rp 1	Rp 1	Rp 1	Rp 1	Rp 1
2	Connection Hot Water Outlet (male)	-	Rp 1	Rp 1	Rp 1	Rp 1	Rp 1
3	Connection Gas Inlet (female)	-	15	15	15	15	15
4	Connection Drain Valve (female)	-	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
5	Connection T&P-valve (female)	-	Rp 1	Rp 1	Rp 1	Rp 1	Rp 1
6	Cleaning / Inspection Opening	mm	95x70	95x70	95x70	95x70	95x70
7	Connection Condensation Drain (female)		Ø 40	Ø 40	Ø 40	Ø 40	Ø 40
8	Connection Recirculation		Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
9	Diameter Flue Gas Outlet / Air Supply	mm/mm	80/125	80/125	80/125	80/125	80/125