

# TECHNICAL PRODUCT SUBMITTAL

## EcoSword LGC200-350



Nominal Input (net)	kW	18.2
Nominal Input (gross)	kW	20.0
Gas Flow Rate (natural gas)	m3/hr	1.90
Nominal Output	kW	19.1
<b>EFFICIENCY DATA-Part L2</b>		
Seasonal Efficiency (Part L2 Gross CV)	%	95.5
Maintenance consumption value	MJ/M	252
Maintenance consumption value	kW/24Hr	1.35
<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	30
Recovery Rate @ 44°C	l/hr	375
Recovery Rate @ 50°C	l/hr	330
Recovery Rate @ 56°C	l/hr	295
Dimensions (height )	mm	1543
Dimensions (diameter)	mm	560
Storage Capacity	litres	204
Weight (empty)	kg	106
Weight (full)	kg	310
Insulation Thickness	mm	50
Insulation Material		Polyurethane
Hot Outlet Connection (inches)	BSP	¾"
Cold Feed Connection (inches)	BSP	¾"
Gas Connection (mm)	BSP	15
Electrical Requirements		230V/1Ph/50hz
Power Consumption	W	85
Sound Power Level	LWA(db)	52
Maximum Flue Gas Temperature	°C	61
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:-

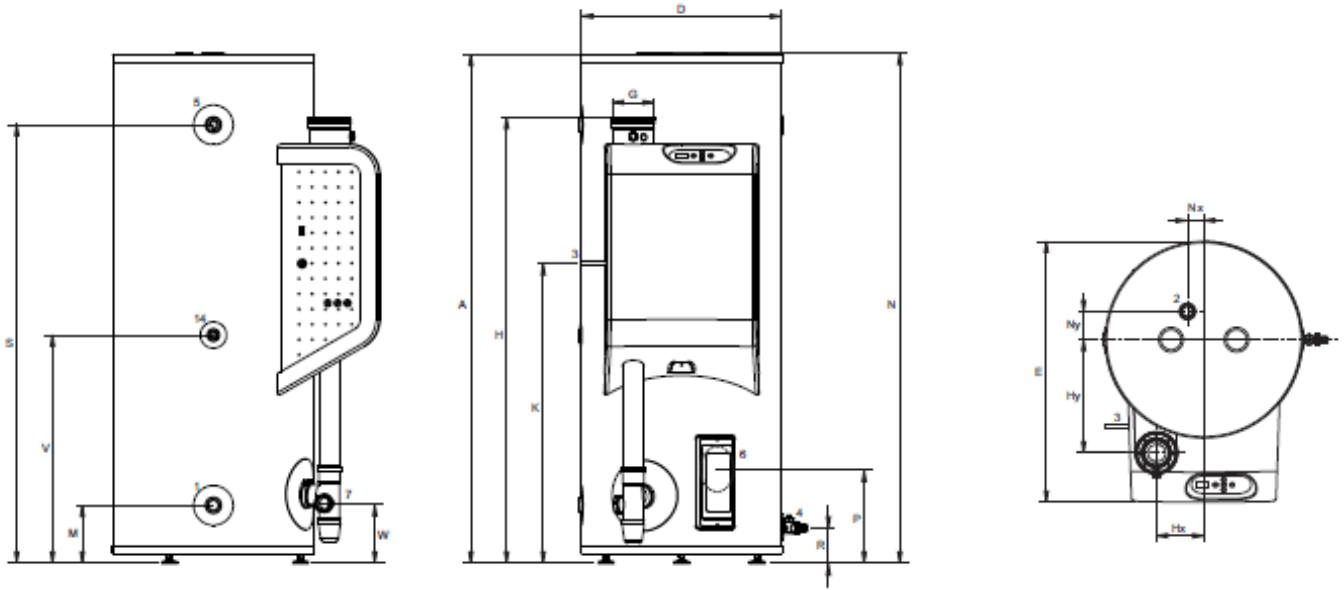
- Dimensions and clearances
- Vented and Unvented installation requirements
- maintenance

#### **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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## EcoSword LGC200-350



Size	Description	Unit	LGC 160-210	LGC 160-350	LGC 200-210	LGC 200-350
A	Total Height	mm	1269	1269	1545	1545
D	Width	mm	560	560	560	560
E	Depth	mm	760	760	760	760
H	Height of Flue Gas Outlet / Air Supply	mm	1310	1310	1310	1310
Hx	x-Position Flue Gas Outlet	mm	145	145	145	145
Hy	y-Position Flue Gas Outlet	mm	325	325	325	325
K	Height of Gas Connection	mm	870	870	870	870
M	Height of Cold Water Inlet	mm	175	175	175	175
N	Height of Hot Water Outlet	mm	1270	1270	1545	1545
Nx	x-Position of Hot Water Outlet	mm	50	50	50	50
Ny	y-Position of Hot Water Outlet	mm	90	90	90	90
P	Height of Cleaning / Inspection Opening	mm	155	155	155	155
R	Height of Drain Valve Connection	mm	105	105	105	105
S	Height of T&P-valve Connection	mm	1070	1070	1325	1325
V	Height Recirculation Connection	mm	605	605	605	605
W	Height of Condensation Connection (male)	mm	180	180	180	180
1	Connection Cold Water Inlet (male)	-	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
2	Connection Hot Water Outlet (male)	-	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
3	Connection Gas Inlet (female)	-	15	15	15	15
4	Connection Drain Valve (female)	-	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
5	Connection T&P-valve (female)	-	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
6	Cleaning / Inspection Opening	mm	95x70	95x70	95x70	95x70
7	Connection Condensation Drain (female)	-	Ø 40	Ø 40	Ø 40	Ø 40
8	Connection Recirculation	-	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