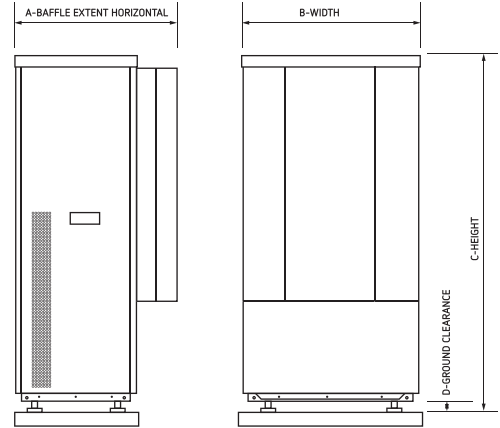




Datasheet Stirling

Air Source Heat Pump		Stirling Eco Air Boiler	
Product Name		Stirling Eco Air Boiler	
Model Number		STRSHR407CMOD1	
(Air 7°C/Water 35°C)*	Rated Output (kW)	12.7	
	Power Consumption (kW)	3.6	
	Rated COP	3.6	
(Air 2°C/Water 35°C)**	Rated Output (kW)	11.0	
	Power Consumption (kW)	3.3	
	Rated COP	3.4	
(Air -7°C/Water 35°C)**	Rated Output (kW)	9.6	
	Power Consumption (kW)	3.2	
	Rated COP	3.0	
Domestic Hot Water Temperature (°C)		70	
Weight (kg)		330	
Heat Pump Voltage/frequency		220/240V 1~ 50Hz	
Heat Pump Maximum Running Current (A)		25	
Sound Power Level @ 1m (dB)**		67	
Minimum Operating Temperature (°C)		-20	
Maximum Operating Temperature (°C)		30	
Booster Heater Running Current (A)		27	

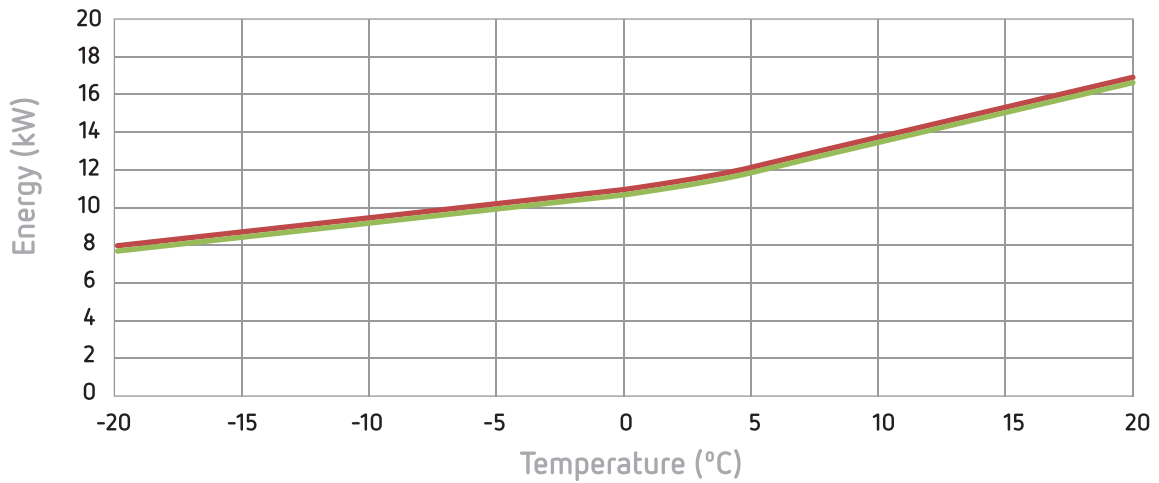


Model	A	B	C	D
Stirling	1120	980	1940	50-70

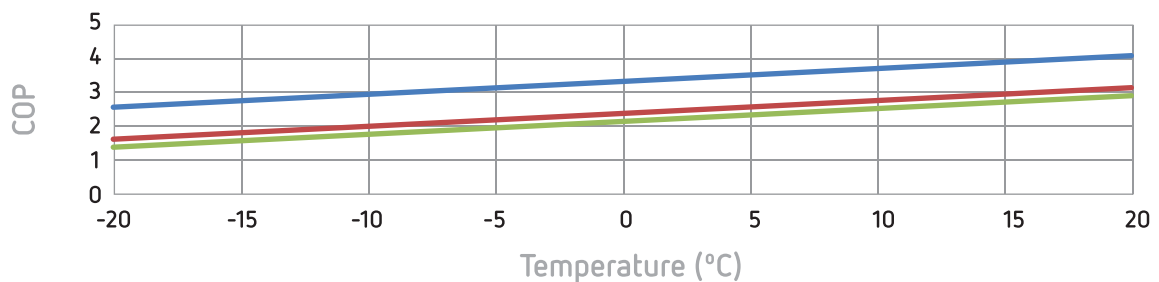
All sizes in mm

* Test results as per BS EN14511 ** Data supplied by BRE

Output



COP



— 35deg.C — 55deg.C — 60deg.C

Case Study 1

- ✓ Large Detached Rural New Build
- ✓ Ribble Valley
- ✓ 4 bed new build Code 3 home
- ✓ 1 x 15kW Stirling Eco Air Boiler
- ✓ Annualised cost estimate: £1685
- ✓ Savings estimate v Oil: £1800

Rural New Build

This new build property has been completed to Sustainable Homes Code level 3 to meet current planning requirements. The inclusion of an Eco Air Boiler to provide the heating and hot water was a crucial part of that accreditation.

The house uses under floor heating offering some of the best running costs from an Eco Air Boiler. A 15kW Stirling Eco Air Boiler is used, located to the rear of the property. This provides the central heating and hot water for the house.

Once inhabited we predict that the house will have an annualised running cost of just £1680, a potential saving of over £1800 compared to oil.

The developer commented "Being able to offer my customers such low heating bills compared to the costs of oil is a real bonus."



Case Study 2

- ✓ Barn Conversion – Carbon Neutral
- ✓ Trough of Bowland
- ✓ Barn conversion with PV installation
- ✓ 1 x 15kW Stirling Eco Air Boiler
- ✓ Annualised cost estimate: £0
- ✓ Savings estimate v Oil: £2500

Carbon Neutral Conversion

When converting this barn the owner wanted a carbon and cost neutral heating system. By combining a Stirling Eco Air Boiler with 20 solar PV panels the property is able to generate enough electricity to offset the heating on most days of the year. Our estimate of the savings compared to heating the property with oil is at least £2500.

This combination, a heat and power system, offers the ultimate in cost and emissions savings. Global Energy Systems can work with you to design a balanced combination of heat pump and solar electric to give you the perfect outcome.

The owner commented that finding a combination of renewable sources to run his property in a sustainable and affordable manner has been a major benefit.

Case Study 3

- ✓ Victorian Semi Detached Home
- ✓ Fylde Coast
- ✓ 5 bed property with good insulation
- ✓ 1 x 15kW Stirling Eco Air Boiler
- ✓ Annualised cost Estimate: £2100
- ✓ Savings estimate v Oil: £2250

Victorian Semi

Along with a large kitchen extension and eco upgrade the owners of this large semi-detached Victorian property on the Fylde Coast changed over to a 15kW Stirling Eco Air Boiler. The property used gas previously and had a bill of over £3000 a year, showing an excellent saving even against mains gas.

The house has a mixture of recently upgraded radiators and under floor heating all controlled through the Eco Air Boiler. A single 15kW Stirling Eco Air Boiler has provided all the heating and hot water for the property at an average of under £100 a month.

"Our bills are far lower than expected and we were warm right through the winter" commented the owners.



For more information visit www.globalenergysystems.co.uk or call +44 (0) 3333 444 414

