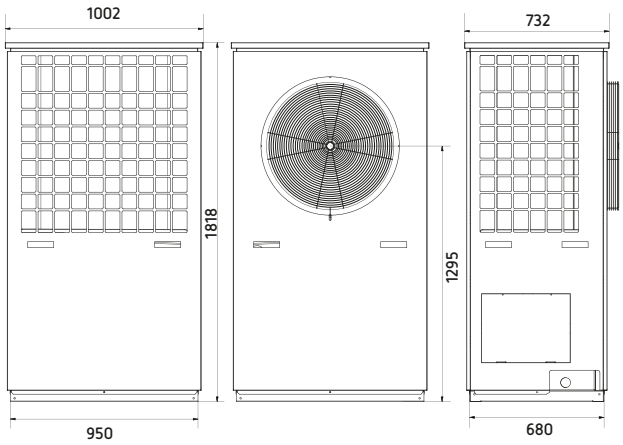
ErP A++

DATASHEET CAERNARFON

Air Source Heat Pump		
Product Name Model Number		Caernarfon CAER410AMOD1
ERP Rating		A++
(Air 7°C/Water 35°C)*	Rated Output (kW)	8.58
	Power Consumption (kW)	1.80
	Rated COP	4.76
(Air 2°C/Water 35°C)**	Rated Output (kW)	10.92
	Power Consumption (kW)	3.36
	Rated COP	3.25
(Air -7°C/ Water 35°C)**	Rated Output (kW)	12.13
	Power Consumption (kW)	4.53
	Rated COP	2.68
Domestic Hot Water Temperature (°C)		65
Weight (kg)		230
Heat Pump Voltage / Frequency		230V AC 50Hz
Max Running Current (A) Compressor / Booster		34/27
Max Electrical Power (kW) Compressor / Booster		8.2/6.0
Sound Pressure Level @ 1m (dBA)***		54
Minimum/Maximum Operating Temperature (°C)		-20/30
Maximum Starting Current (A)		14.3

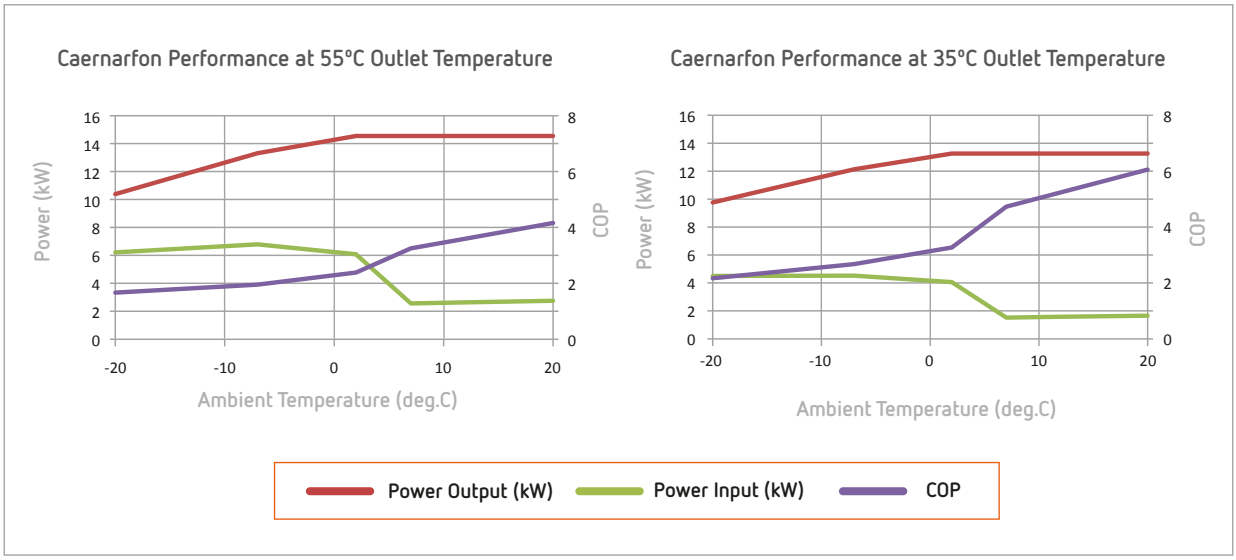
* Test results as per BS EN14511 ** Data supplied by BRE

*** Sound power level is 61.5 dBA as tested to BS EN12102



Model	H	W	D
Caernarfon	1818	1002	732

All sizes in mm



Technical Data

Global Energy Systems

GREAT BRITISH ENERGY. NATURALLY

THE CAERNARFON IS IDEAL FOR...

DOMESTIC NEW BUILDS

The variable output of the Caernarfon 8-18kW air source heat pump offers complete heating and domestic hot water solutions for even the largest new build properties. With run costs savings of up to 70% and the Renewable Heat Incentive available to self-builders, the Caernarfon is an ideal solution for new builds.

Integrating a Caernarfon air source heat pump in a new build project could not be easier. Our specifiers and engineers will recommend suitable heat emitters for each room. The Caernarfon is designed to work equally effectively with under floor or radiator based systems with an A++ ERP rating. Requiring only an electric power supply, the use of a Caernarfon simplifies utility connections and future energy bills

DOMESTIC RETRO FITS

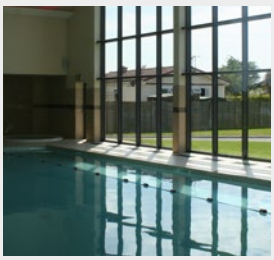
Offering our highest heat output from a single electricity supply, and inverter control to vary the heat pump output, the Caernarfon 8-18kW air source heat pump has been engineered with British houses in mind. Working equally well with under floor heating or radiators the Caernarfon offers the flexibility to work with existing systems.

Able to offer full heating and domestic hot water supply to large, retro fit properties, the Caernarfon is an ideal choice for renovation projects. Through bespoke software, written by Global Energy Systems, the Caernarfon can either work bivalently with an existing boiler or replace it completely in line with RHI guidelines.

POOLS

Swimming pools, with their potential need for year round, low grade heat are an ideal match for air source heat pumps. The Caernarfon 8-18kW air source heat pump, with its inverter technology and 55 °C output is a perfect match for pool water, space heating and domestic hot water combinations.

Able to work as a standalone unit, bivalently with boilers or in parallel with other units, the Caernarfon can be used for any scale of installation. Eligible for the Renewable Heat Incentive for Non-Domestic pools, the Caernarfon can offer excellent savings. The heat for domestic pools, when part of a wider heating system, can benefit from the savings of the Caernarfon but is not counted for the RHI.



SMALL COMMERCIAL

The Caernarfon 8-18kW air source heat pump offers the flexibility to deliver heat through existing radiators, under floor or fan convector based heating systems. It has been specifically designed for the UK climate with a broad range of uses.

Able to deliver space heating to single, large spaces such as workshops or halls, heat to hotel or residential rooms and domestic hot water to legionella standards, the Caernarfon is an ideal choice. Able to work as a standalone unit, bivalently with boilers or in parallel with other units, the Caernarfon can be used for any scale of installation.

MULTIPLE UNITS

As heat loads increase, multiple Caernarfon air source heat pumps can be used together to offer solutions to very large heat loads. Suitable for large warehouses, workshops, hotels, pools or offices the Caernarfon is an ideal choice.

Software developed by Global Energy Systems to work with our own air source heat pumps will ensure that the load is managed across the season and across the multiple heat pumps, offering an optimal solution.

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

APPROVED INSTALLER

Certificate Number MCS 1453
Heat Pump Technology

RECC RENEWABLE ENERGY CONSUMER CODE

REA RENEWABLE ENERGY ASSOCIATION

Shell Springboard Regional Winner