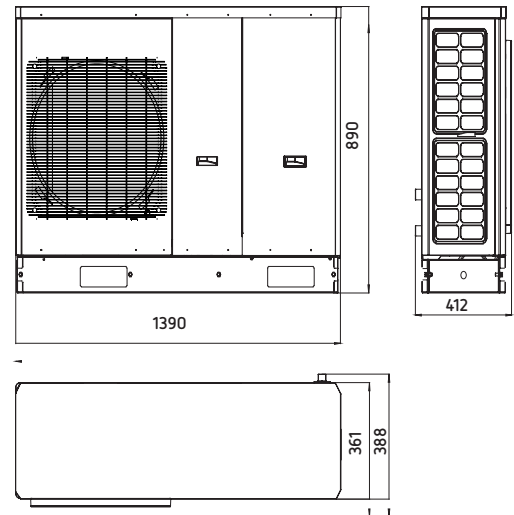


DATA SHEET OXFORD

Air Source Heat pump		
Product Name	Oxford	
Product Number	OXFR410MOD1	
Heat Pump Space Heater - 55 °C	ErP Rating	A++
	SSHEE*2 (η_s)	128%
	SCOP	3.21
Heat Pump Space Heater - 35 °C	ErP Rating	A++
	SSHEE*2 (η_s)	157%
	SCOP	3.90
Heat pump Combination Heater - Extra large Profile	ErP Rating	A
	SSHEE*2 (η_s)	84%
Heating (Air -3°C/ Water 35°C)	Rated Output (kW)	6.6
	Power Consumption (kW)	2.2
	COP	2.8
Maximum Outlet Temperature (°C)	60	
Weight (kg)	148	
Heat Pump Voltage / Frequency	230V AC / 50Hz	
Max Running Current (A) Compressor / Booster	15 / 26	
Max Electrical Power (kW) Compressor / Booster	3.5 / 6.1	
Sound Pressure Level @ 1m (dba) *1	61	
Operating Ambient Temperature (°C)	-20 / +35	
Maximum Starting Current (A)	10	

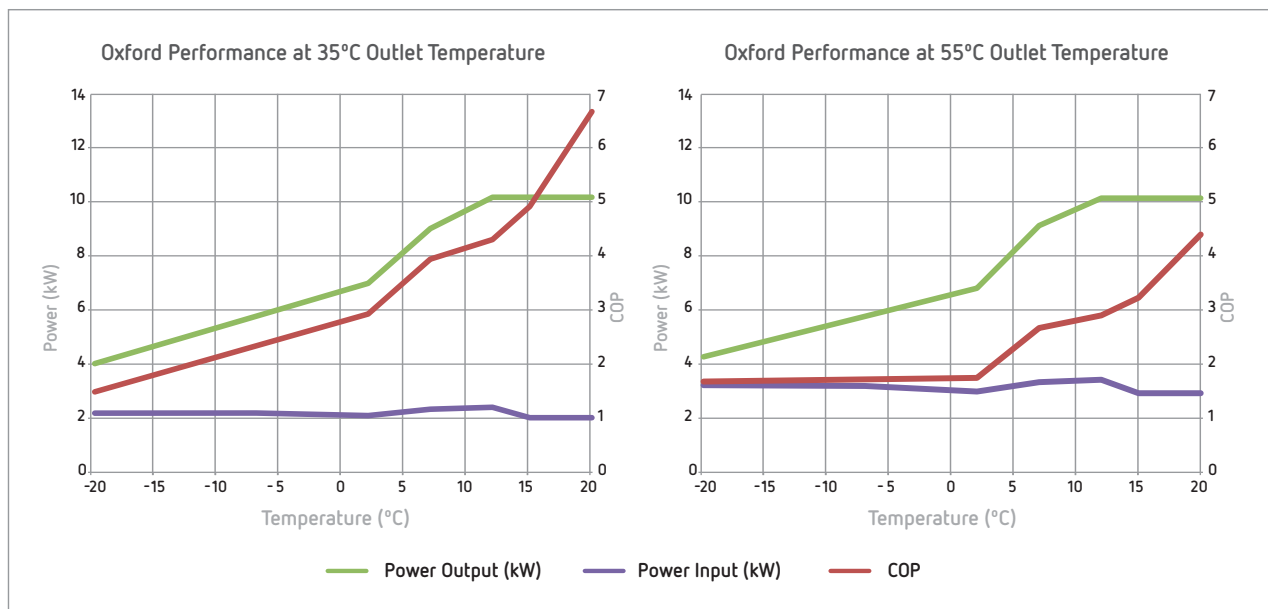
*1 - Tested at Outdoor temp 7°C DB/ 6°C WB, Inlet / Outlet water temp 30/35°C as per BS EN 14511.

*2 - Seasonal Space Heating Energy Efficiency



Model	H	W	D
Oxford	890	1390	412

All sizes in mm



- ✔ Remote monitoring as standard
- ✔ Circulation pump included inside
- ✔ Expansion vessel included inside
- ✔ Complete unit in one box
- ✔ Can be used with multiple zone systems
- ✔ Operates with additional heat source
- ✔ Suitable for new builds & retrofit properties
- ✔ MCS certified & RHI eligible
- ✔ Easiest heat pump to install - Just plumb & go

CASE STUDY 1

- ✔ 190m²
- ✔ UFH throughout
- ✔ 1 x Global Energy Systems Air Source Heat Pump
- ✔ 2018 running cost estimate £756
- ✔ Estimated saving with RHI £1,648
- ✔ RHI Eligible

RENOVATED PROPERTY WITH UNDERFLOOR HEATING

This 190m² property has a full under floor heating system both up and down stairs so the property can run on low flow temperatures offering excellent savings. The heat pump is controlled by the UFH system and the Global Energy Systems software ensures the most efficient running. Even with temperatures as low as -10 in 2016 the property was warm. In these extreme conditions the heat pump used it's built in booster heater when needed.

The heat pump has been stood away from the house to allow access and low loss underground pipes were used to transfer the heat efficiently into the building.

Having moved from a house with oil as the main fuel the owners have been amazed at the running costs.



CASE STUDY 2

- ✔ Indoor Swimming Pool
- ✔ 7m x 3m Pool Size
- ✔ 1 x Global Energy Systems Air Source Heat Pump
- ✔ 2018 running cost estimate £1,200
- ✔ Estimated saving vs oil £600

INDOOR SWIMMING POOL

This customer wanted to run their pool all year round without the exposure to the cost of standard heating methods. The pool is used daily and is covered whenever not on use to ensure that energy is not lost unnecessarily.

The single air source heat pump is located in the plant room drawing air from the pool room. This recycles lost heat from the pool, captures any solar gain and acts as a dehumidifier when the heat pump is running.

Heating costs have averaged £100 a month since the installation of the heat pump, this includes hot water for the house and heating for the pool room.

When asked to comment, the owners said that they were "delighted" with the system.



CASE STUDY 3

- ✔ Rural Scottish New Build
- ✔ Radiators throughout
- ✔ 1 x Global Energy Systems Air Source Heat Pump
- ✔ Running cost 2016 £765
- ✔ Estimated saving vs oil £493

RURAL NEW BUILD PROJECT

Set in rural Stirlingshire with no access to mains gas, the developer of this property wanted to avoid the expense of using oil.

As an example, one of the properties with the installation of a Global Energy Systems air source heat pump had estimated running costs of £765 in 2016. This is an estimated saving of £493 compared to the cost of an oil system. The addition of the RHI payments only increases the savings using the air source heat pump.

Each property had been designed with the air source heat pump in mind, making the heating systems in the properties as efficient as possible. The owners of the properties have been very impressed with the systems and the monitoring service that comes with each heat pump.



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

