

# Skyline Energy – Ecological Solutions

## Solar Electricity, Solar Hot Water, Heat-Pumps, and Hydronic Heating

### Model SX-17CCZA – Cold Climate Hydrocarbon Heat Pump

Ideal for hydronic heating systems - even where overnight temperatures fall below freezing.

#### Specifications: Model SX-17CCZA

Voltage / Phase	240v 50Hz/ 1Phase
Power input range	3kW-4kW
Suitable floor area for slab heating	Up to 170sqm Approx. <sup>1</sup>
Suitable floor area for panel heating	Up to 140sqm Approx. <sup>1</sup>
Working air temp range	-19°C - +45°C
Compressor (Copeland Scroll)	ZR47K3E-PFJ-522 +soft start
Refrigerant	Hydrocarbons
Zeihl Abegg “OWLET” Fans	FN045-6EK.4F.V79P1, 450mm, 190W, 4000+m3/hr (each)
inlet/outlet connections diameter	25mm
Recommended Primary Circ Pump	GPD32-9 - GPD25-16
Maximum Outlet Water Temp	55°C
Noise Level (dBa) @ 3 metres	54dBa
Defrost	reverse cycle
Cabinet Construction	Mild Steel
Dimensions (mm)	1120L x 650W x 1270H
Weight – empty	170Kg
Warranty (from 2017 onward)	3yrs <sup>2</sup>

SX-17CCZA model uses Ziehl-Abegg “OWL” fans for improved airflow, higher efficiency and quieter operation – especially recommended for home heating where sound-level could be an issue.



- Operates in cold climates
- Quiet yet powerful (ZA fans)
- Economical to operate
- Running costs can be offset with Solar Electricity



Unit specifications subject to change without notice

1. SIZING IS FOR NEW 5-STAR THERMAL EFFICIENCY BELOW 500m ALTITUDE - CALL FOR FURTHER SIZING INFORMATION
2. Subject to suppliers sizing and installation guidelines being followed (there may be a travel charge for on-site service if there is a significant distance)

## HEATING THE NATURAL WAY

***A heat pump uniquely extracts solar heat energy found abundant in the in air and transfers it to water.***

Our Air Sourced Hydronic Heat Pump technology has a vast potential for harnessing renewable energy, they extract heat from the air and concentrate it to provide hot water for heating homes and commercial buildings. The only energy required is that which is used to concentrate the thermal energy – so the system can provide a heat output up to four times larger than the energy input. Because they don't rely on direct sunlight radiation, they can operate in all seasons of the year, under all conditions; shade, overcast, sun, rain, frost, even at night.

The SX-17CCZA models are fitted with state-of-the-art Zeihl Abegg FN050-6EK.4F.V7P1, 500mm, 300W, 6000m<sup>3</sup>/hr (each) “OWLET” fans, significantly reducing noise levels and providing greater overall efficiency.

Used in conjunction with good building practices such as good insulation, passive solar design, hydronic heating with our state of the art, correctly sized heat pumps can be an economical and ecological, wise investment.

... “let us exceed your expectations”

**1300 552 976**

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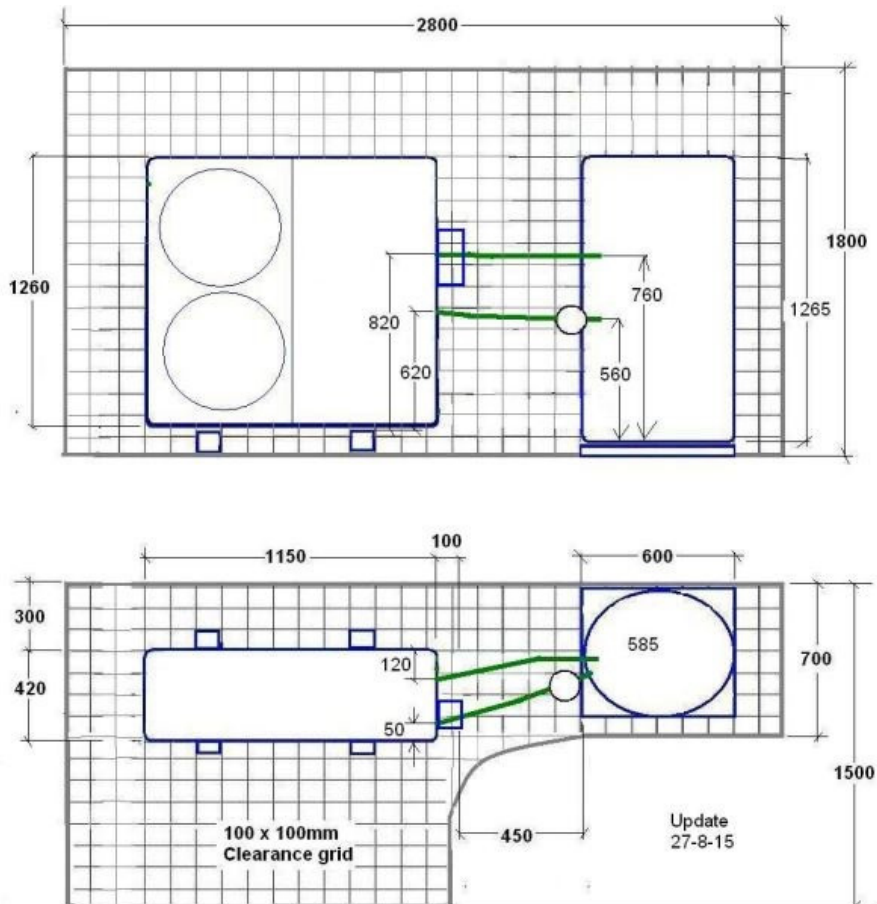
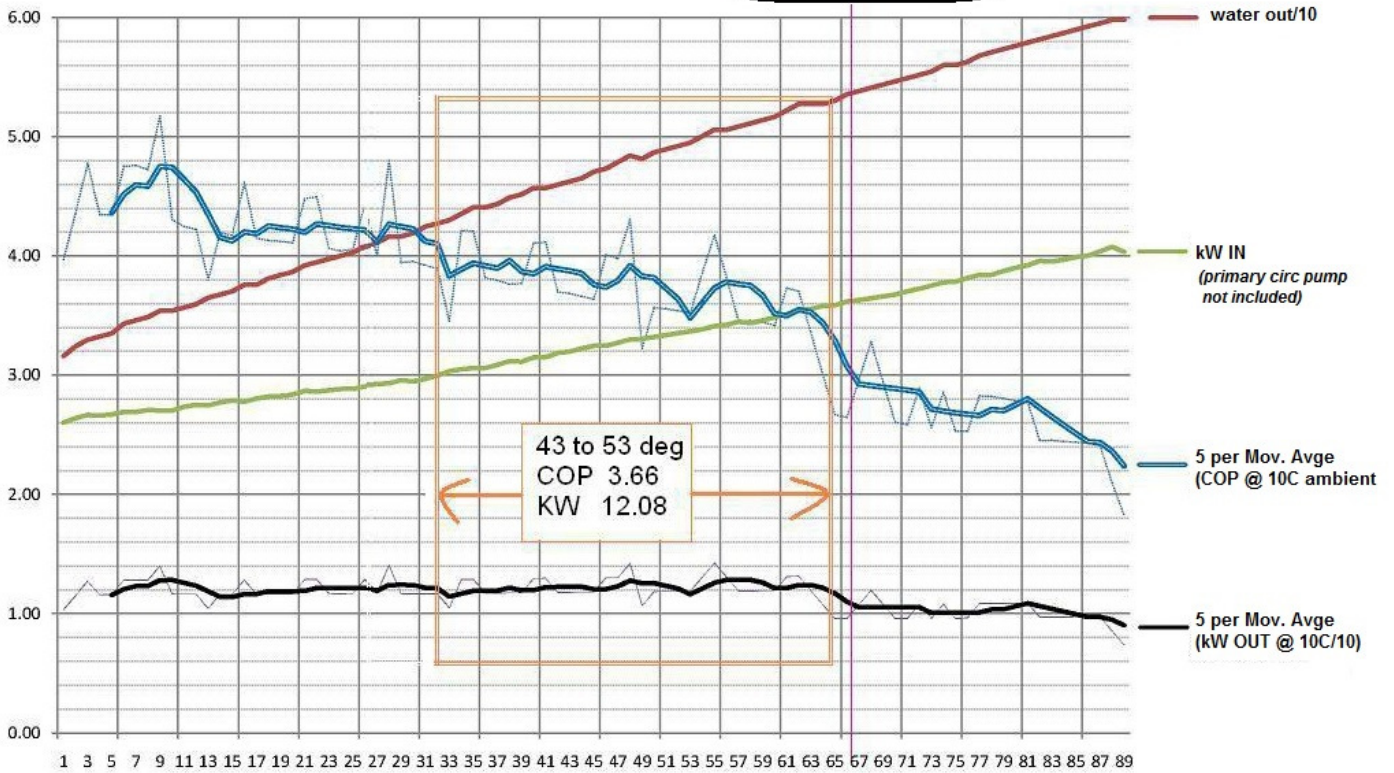
## Solar Electricity, Solar Hot Water, Heat-Pumps, and Hydronic Heating

### Skyline Energy Model SX-17CC Air Sourced Hydronic Heatpump

Flow rate 63L/min

### Performance Chart - November 2016

COP of 3 @ 54C water out @ 10C ambient



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