

Skyline Energy – Ecological Solutions

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

Model SX-13CCZA – Cold Climate Air Sourced Heat Pump

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

Specifications: Model SX-13CCZA

Voltage / Phase	240v 50Hz/ 1Phase
Power input range	2kW-3.6kW
Suitable floor area for slab heating	Up to 130sqm Approx.*
Suitable floor area for panel heating	Up to 100sqm Approx*
Working air temp range	-19°C - +45°C
Compressor (Copeland)	ZW34 Scroll
Refrigerant	Hydrocarbons
inlet/outlet connections diameter	25mm
Recommended Primary Circ Pump	GPD32-9/25-16
Maximum Outlet Water Temp	55°C
Noise Level @ 3 metres	<55dBa
Defrost	reverse cycle
Cabinet Construction	Mild Steel
Dimensions (mm)	1120L x 650W x 1270H
Weight – empty	170Kg
Warranty (from 2017 onward)	3yrs

Unit specifications subject to change without notice

***Note: Heating areas are for 5 star thermal efficiency and below 500m altitude. For other conditions please ask.**

SX-13CCZA 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.



- Organic Hydrocarbons
- Operates in cold climates
- Ziehl-Abegg “Owlet” fans
Quiet yet powerful
- Economical to operate
- Electric- so running costs can be offset with Solar Electricity



HEATING THE NATURAL WAY

A Cold Climate Air Sourced Hydronic Heat Pump uniquely extracts solar heat energy found abundant in the in air and transfers it to water.

Our Cold Climate Air Sourced Hydronic Heat Pump technology has a vast potential for harnessing renewable energy, reducing energy consumption and emissions. The SX-13CCZA is able to 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. Running costs are similar to Natural GAS Boilers, however in non-GAS areas it can potentially reduce heating costs by more than 75% compared to other fuels like LPG and straight electricity.

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.

Long after a conventional solar collector array would have given up and reverted to its booster, our heat pump is still absorbing vast amounts of solar energy.

Unlike much of Europe where hydronic heating has been used for decades, in most area's of Australia a Cold Climate Air Sourced heat pump, used in conjunction with Solar Electricity will outperform a ground sourced heat pump, and generally at a much lower overall installation cost, and there is no need bury hundreds of metres of pipes in the paddock.

With zoning control and even remote activation by WiFi if required, 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 for your home heating requirements.

... “let us exceed your expectations”

1300 552 976

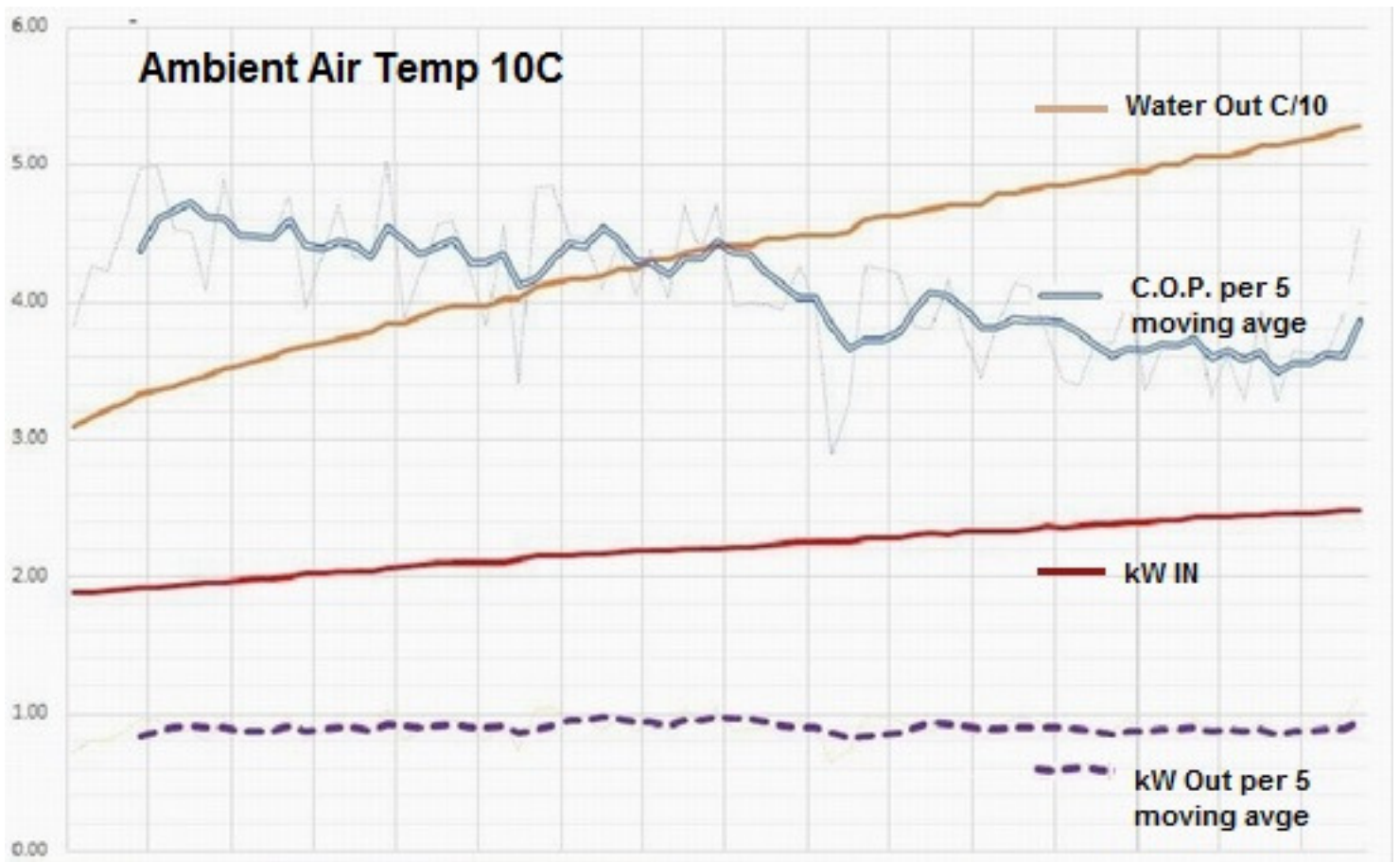
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Model SX-13CCZA – Performance Graph



As you can see from the SX-13CCZA performance graph above, the Coefficient Of Performance is around 4.5 at slab heat temp of 45C, and well over 3.5 at radiator setting of 55C.

We believe our Hydrocarbon SX-13CCZA is one of - if not THE most efficient hydronic heatpump available anywhere!

As our in-house research and development continues, the efficiency and production quality of our dedicated air-sourced hydrocarbon-charged hydronic heatpumps continues to keep Skyline Energy the leader in our field.

... "let us exceed your expectations"

Insist on the best

- ask your local hydronic installer to include a Skyline Energy ZA model Hydrocarbon Hydronic Heatpump to drive your heating system!

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