

# Skyline Energy – Ecological Solutions

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

### Model V30ZA Hydrocarbon Heat Pump

V evaporator models reduce frost build-up so are suitable for areas with sustained low ambient air temperatures. Reduced defrost leads to higher overall efficiency. The V30ZA 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.

#### Specifications: Model V30ZA

Model V30ZA	(Top Air Discharge ONLY)
Voltage / Phase	240v/1ph or 2ph
Power input range	5kW – 7kW
C.O.P. range @ 10C ambient	2.9 to 4.5
Suitable floor area for slab heating	Up to 300sqm Approx. <sup>1</sup>
Suitable floor area for panel heating	Up to 250sqm Approx <sup>1</sup>
Working air temp range	-19°C - +45°C
Compressor (Copeland Scroll)	2x ZR42K3E-PFJ-522 staggered start
Refrigerant	Hydrocarbons
Zeihl Abegg “OWLET” Fans	FN050-6EK.4F.V7P1, 500mm, 300W, 6000m <sup>3</sup> /hr (each)
inlet/outlet connections diameter	32mm
Recommended Primary Circ Pump	GPD25-16
Maximum Outlet Water Temp	55°C
Noise Level (dBa) @ 3 metres	<55
Defrost	Reverse Cycle
Dimensions (mm)	1650L x 935W x 1550H
Weight – empty (Kg)	400
Warranty (from 2017 onward)	3yrs <sup>2</sup>



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



Our staggered-start dual-compressor 220V single-phase V30ZA are ideal where limited power supply is an issue. They can also be spanned across 2ph supply or across 2phases of a 3ph supply.

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 V30ZA 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”

**For more information please call 1300 552 976**

website: [www.skylineenergy.com.au](http://www.skylineenergy.com.au)

email: [info@skylineenergy.com.au](mailto:info@skylineenergy.com.au)