Skyline Energy – Ecological Solutions

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

Model V42/V42ZA 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 V42**ZA** 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 V42/V42ZA

Model V42/V42ZA	(Top Air Discharge ONLY)
Voltage / Phase	220-240v/1ph or 2ph
Power input range	7.6kW – 9.5kW
Suitable floor area for slab heating	Up to 420sqm Approx.[1]
Suitable floor area for panel heating	Up to 340sqm Approx[1]
Working air temp range	-19°C - +45°C
Compressor (Copeland Scroll)	2x ZW52 staggered + soft-start
Refrigerant	Hydrocarbons
inlet/outlet connections diameter	32mm
Recommended Primary Circ Pump	GPD25-16/20
Maximum Outlet Water Temp	55°C
Noise Level (dBa) @ 3 metres	<65 (<60 for ZA model)
Defrost	Reverse Cycle
Dimensions (mm)	1650L x 935W x 1550H
Weight – empty (Kg)	500
Warranty (from 2017 onward)	3yrs[2]

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

Our staggered-start dual-compressor 220V single-phase V42 models incorporate soft-starters to further reduce start-up load so 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. 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.
Our optional "ZA" models are fitted with state-of-the-art "OWLET" fans from Zeihl Abegg significantly reducing noise levels and providing greater overall efficiency.

Unlike much of Europe where hydronic heating has been used for decades, in most area's of Australia our Air Sourced heat pump, used in conjunction with Solar Electricity will way 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.

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 email: info@skylineenergy.com.au

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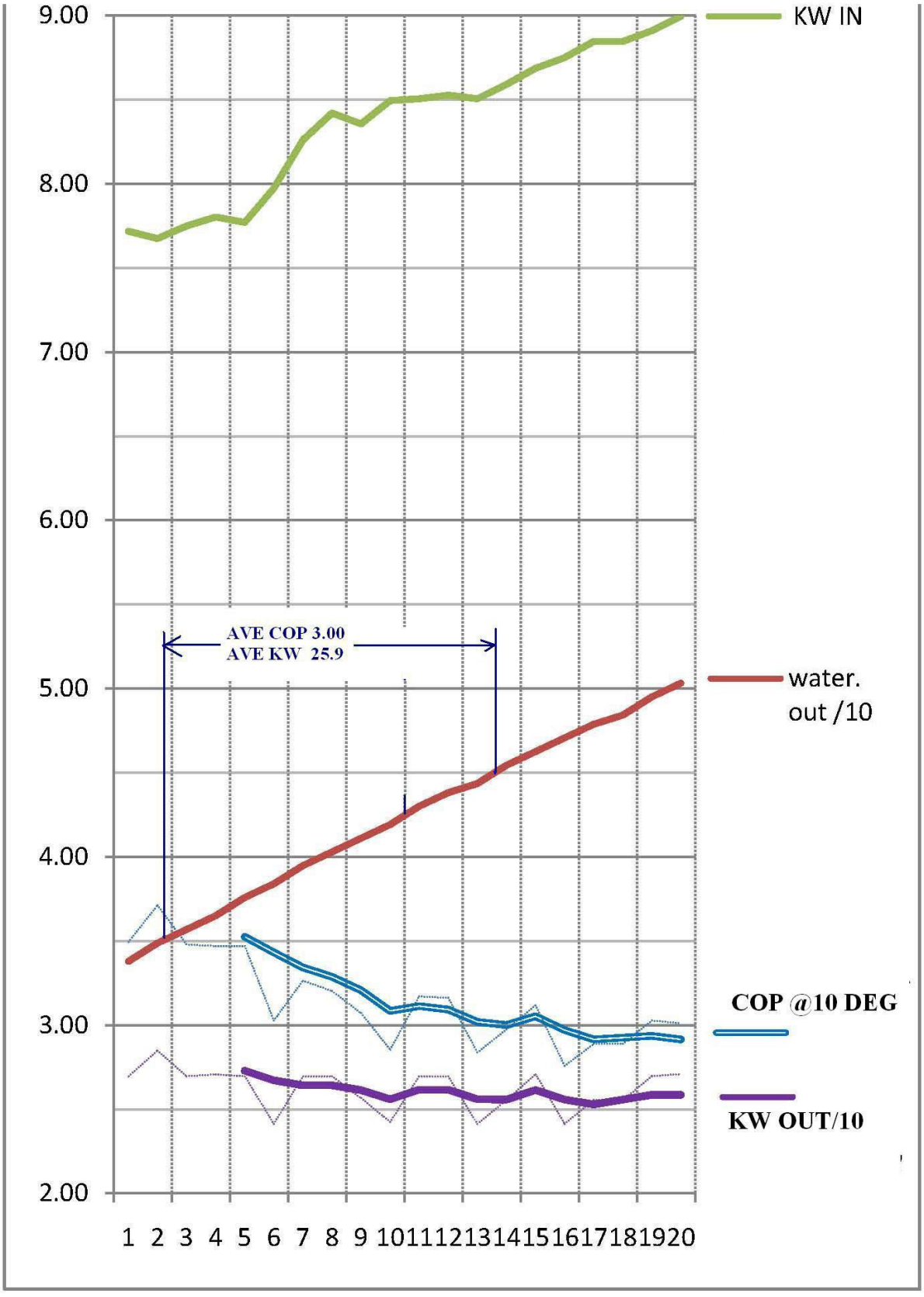
V42 BUNYIP | 26/10/15 | AMBIENT 10



FLOW 75 LPM | GAS 960gms OZ50 | 2 PHASE