



SEILAR THERMO AUSTRALIA P/L  
MANUFACTURING FROM AUSTRALIA  
TO THE WORLD

# HEAT PUMP CATALOGUE



## SEILAR THERMO AUSTRALIA PTY LTD

STA is a Global Company contributing to a more sustainable world with solutions for Renewal Energy, Low Power Consumption , PV Power as well as Innovative water heater Equipments . Seilar has over 50 years of experience in manufacturing products for both residential and commercial use. It all began in AIE in 1960s And Renamed in 2016 in the Sydney . Today, STA has operations and sales on Australia , North America, EU and Asia

FROM AUSTRALIAN MADE TO THE WORLD

MULTI AWARD  
WINNERS

SEILAR  
<http://seilar.com.au>



## Our experience

For Seilar Thermo Australia Pty Ltd there's nothing new about renewables. Seilar has been producing innovative heat pumps, solar collectors, PV Panel for over 50 years with thousands of installations throughout Australia, Europe.

We are committed to developing heating solutions which utilise sustainable and renewable energy with the aim of reducing CO2 emissions and their impact on the environment.

From our manufacturing plants in Germany, Australia, JV in Malaysia produces the widest range of heat pumps, collectors available on the market and leads the way in the development of energy efficient

Over the years, Seilar has established strong relationships with it in all aspects of the construction and heating industries. Today Seilar electric heating and heat pump systems are operating efficiently across the Australia in schools, offices, social housing and libraries in both private and public sectors

## Quality assured

In order to ensure the highest levels of quality and to provide peace of mind, Seilar has an established network of Accredited Heat Pump Installers, all accredited under the Microgeneration Certification Scheme and fully trained and experienced in the installation of Seilar heat pump products.

No other company can provide the depth of range, expertise and service back-up for economical, Sustainable heating solutions.



### FACTORY SYDNEY AUSTRALIA

12 Hume Hwy, Chullora NSW 2190 Strathfield South  
NSW 2136 Australia

Tel: (02) 80069969

Fax: (02) 80069968

FROM AUSTRALIAN MADE TO THE WORLD

535 MT Alexander Rd, Moonee Ponds

VIC 3039 Australia

Tel : 1300 556 039





Parameter Air Source Heat Pump for hot water

PERFORMANCE /POWER		
Voltage / Phase	380-415 / 3 Phase / 50 Hz	
Full Load Amps Per Phase	67 Amps	
Circuit CB Size	80 Amps	
Refrigerant	R410a	
Ambient Temp	A@ 30°C	@ 10°C
Nominal Heating capacity	115.00 KW	95.60 KW
Power input	22.2 KW	23.5 KW
Heating Cap @A15 °C: 103KW C.O.P	4.75   5.18	4.10
Noise Level	71 dB @ 3 m	
Rated Load Amps @ 10°C SST / 51°C SCT	30Amps	
MOTION PARTS		
	Compressor	Fan
Make	Copeland	AXIAL
Type	Scroll 20056	PROPELLER 2
Number Per Unit	2	1.84Ams(each)
FLA (Full Load Amps)	17.9 Amps	380-415V/1
Voltage / Phase	380/ 3P	6/890/8600L/s
Pole/Air Flow rate	2 / 2,900	
HEAT EXCHANGER / CONTROLER		
Controller /BMS: Built-in by standard of RS 485 communication		
Type	100% Copper	Pure
Design	Tube in Tube	
Flow Rate	20m3/h	5.55 L/s
Min/Max Setting Temp	55-60°C	
Design Temperature difference	3°K	3°K
Design Pressure Drop	80 k.P.a	80 k.P.a
Max. Operating Pressure	2460 k.P.a	2460 k.P.a
SHIPPING AND FITTINGS		
Water Connections	DN 63	
Drain	20 mm copper	
Cabinet Construction	Cold painted marine coating	
Approx. shipping weight	502 kg	
Dimension WDH	2010 mm x 1046 mm x 1420mm	

MODEL : SE25001095AW



http://seilar.com.au

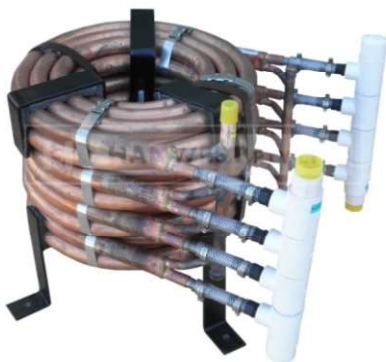




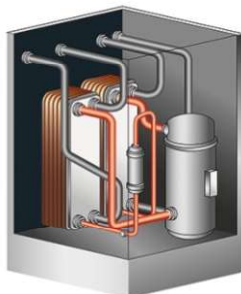
EDWARDS “5VS” Series Tube-in-Tube water to refrigerant heat exchangers are available in either single or multiple assemblies for refrigeration or air conditioning system applications. They are manufactured with Titanium water tubes with an extended surface vent tube drawn over the external surface of the water tube. The outer refrigerant tube is a carbon steel pressure tube or they can be supplied with a copper outer refrigerant tube. All models are manufactured in a “double wall-vented tube” design to prevent cross contamination of refrigerant to the water side should a leak occur in a water tube.



Edwards Model 5VS 2.5.I heat exchanger may be applied as a water cooled condenser for water heating or as a liquid chilling evaporator for fresh or sea water chilling.



Edwards “5VS” series double wall vented tube heat exchanger with Titanium water tube & copper outer refig tube for Aquaculture water heating.



SS 316 HEX PLATE



MADE IN AUSTRALIA

### Typical Applications:

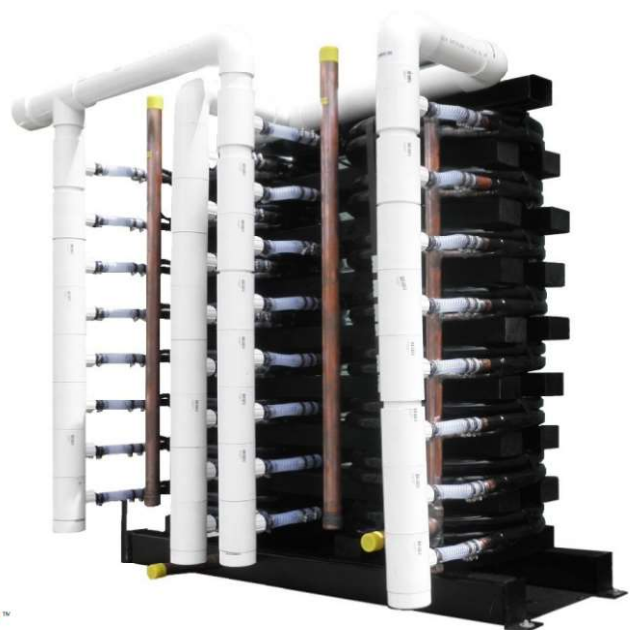
Water cooled condensers for the following applications.

- Swimming pool heat pump water heaters.
- “Pure Water” heat pump water heaters.
- Aquaculture sea water heating heat pump units.
- Heating of corrosive fluids.

They are also suitable as liquid chilling evaporators for the following applications:

- Tropical swimming pool chillers.
- Water chillers for fish hatcheries.
- Water chillers for live fish, crabs, lobsters etc.
- Wine or fruit juice chilling.
- Chilling of corrosive fluids.

Titanium is a robust material that resists corrosion and will give many years of efficient service.



Edwards “5VS” series Titanium tube water cooled condenser for 250 kW heat pump water heater for swimming pool application.

# SEILAR



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