



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

<http://seilar.com.au>

MULTI AWARD
WINNERS

SEILAR

FROM AUSTRALIAN MADE TO THE WORLD

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

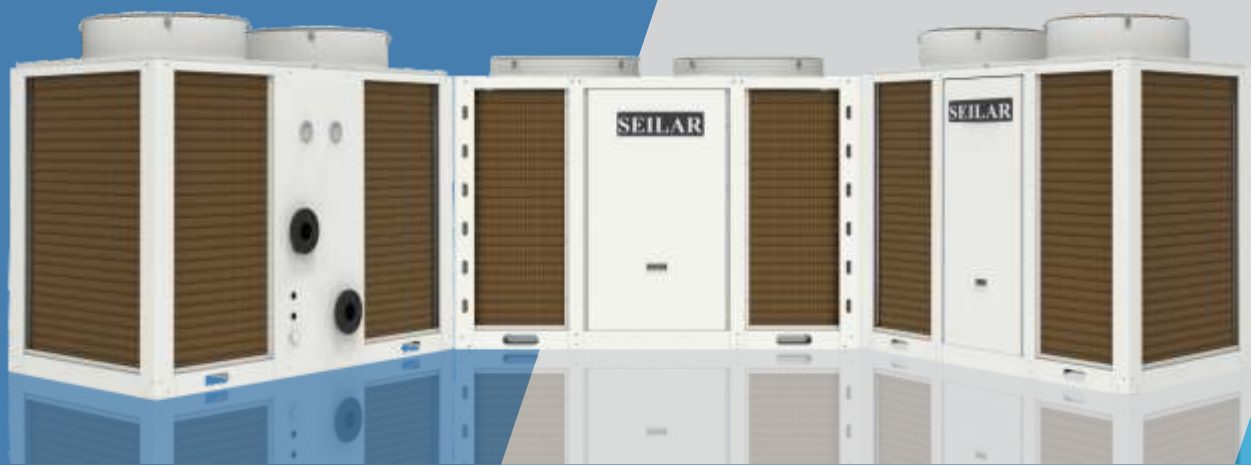
Fax: (02) 80069968

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

ELECTRICAL INPUT		
Voltage / Phase	380-415 / 3 Phase / 50 Hz	
Full Load Amps Per Phase	35 Amps	
Circuit CB Size	40 Amps	
Refrigerant	R410a	
Ambient Temp	A@ 30°C	A@ 8°C
Nominal Heating capacity	52.00 KW	45.00 KW
Power input Max: 9.50Kw	9.90 KW	9.79 KW
Rating output: 47KW COP:4.95	COP :5.25	COP: 4.59
Noise Level	69 dB @ 3 m	
Modbus standard RS485 communication terminal for BMS	Water level control	
TECHNICAL DATA	Compressor	Fan
Make	Copeland	EBM
Type	Scroll 20056	PROPELLER
Number Per Unit	2	2
FLA (Full Load Amps)	28.2 Amps	3.64Ams(each)
Voltage / Phase	415 / 3	380-415V/1
Pole/RPM/Air flow m3/hr	2 / 2,900	6/890/15000
HEAT EXCHANGER/CONTROLLER		
	Control Panel	Smart LCD
Type	100% Copper	EDWARD
Design	Tube in Shell	AUSTRALIA
Flow Rate	10m3/h	166.6 L/M
Max. Outlet Water Temp	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
MATERIALS AND FITTINGS		
Water Connections	40 mm Copper	
Drain	20 mm copper	
Cabinet Construction	Cold Painted White/ anti-corrosive coatings	
Approx. shipping weight	250 kg	
Size L x W x H	1503 mm x 750 mm x 1075mm	

MODEL : SE1000495AW



Parameter Air Source Heat Pump for hot water

ELECTRICAL INPUT		
Voltage / Phase	380-415 / 3 Phase / 50 Hz	
Full Load Amps Per Phase	65 Amps	
Circuit CB Size	70 Amps	
Refrigerant	R410a	
Ambient Temp	A@ 30°C	A@ 8°C
Nominal Heating capacity	85.00 KW	75.00 KW
Power input Max: 15.81	16.00 kW	16.37 KW
Rating output: 77KW COP: 4.87	COP:5.29	4.58
Noise Level	70 dB @ 3 m	
Modbus standard RS485 communication terminal for BMS	Water level control	
TECHNICAL DATA	Compressor	Fan
Make	COPELAND	EBM
Type	Scroll 30056	PROPELLER
Number Per Unit	2	2
FLA (Full Load Amps)	30.2 Amps	7.52Ams(each)
Voltage / Phase	415 / 3	380-415V/1
Pole/RPM/Air flow m3/hr	2 / 3,900	6/890/30000
HEAT EXCHANGER/CONTROLLER		
	Control Panel	Smart LCD
Type :	100% Copper	Pure
Design	Tube in Shell	
Flow Rate	18m3/h	300L/M
Max. Outlet Water Temp	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
MATERIALS AND FITTINGS		
Water Connections	50 mm Copper	
Drain	20 mm copper	
Cabinet Construction	Cold Painted White/ anti-corrosive coatings	
Approx. shipping weight	350 kg	
Size L x W x H	1756 mm x 1052 mm x 1225mm	

MODEL : SE2000795AW



MADE IN AUSTRALIA

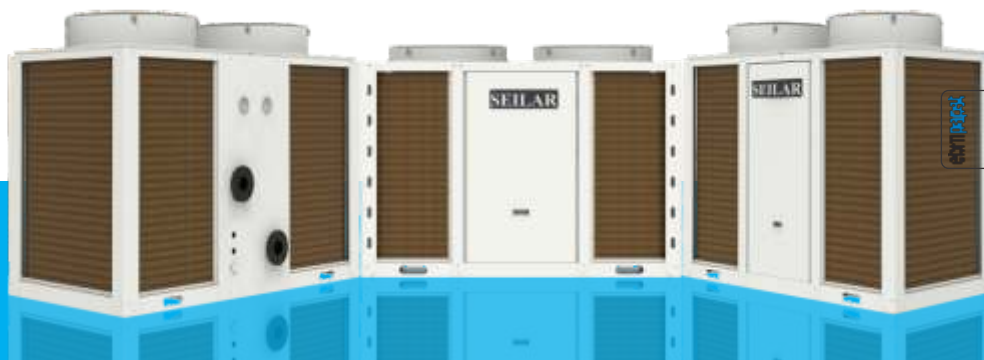
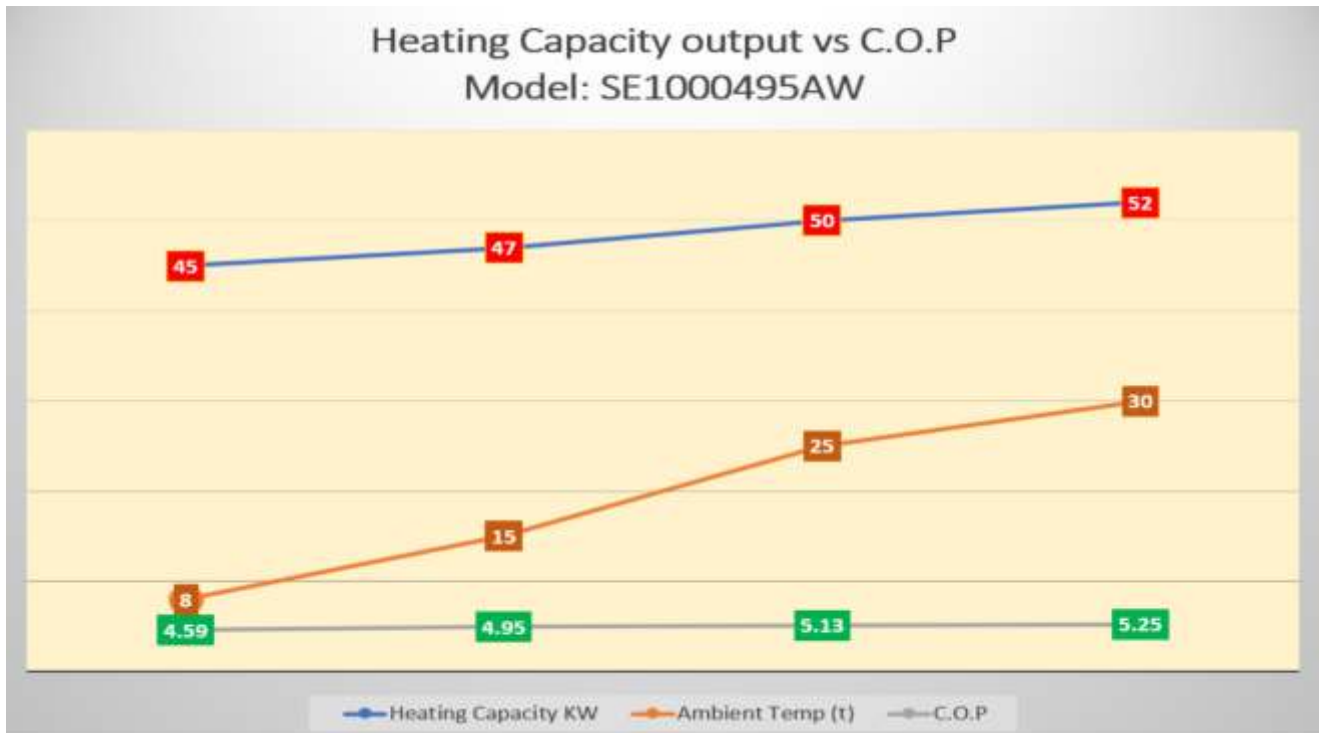
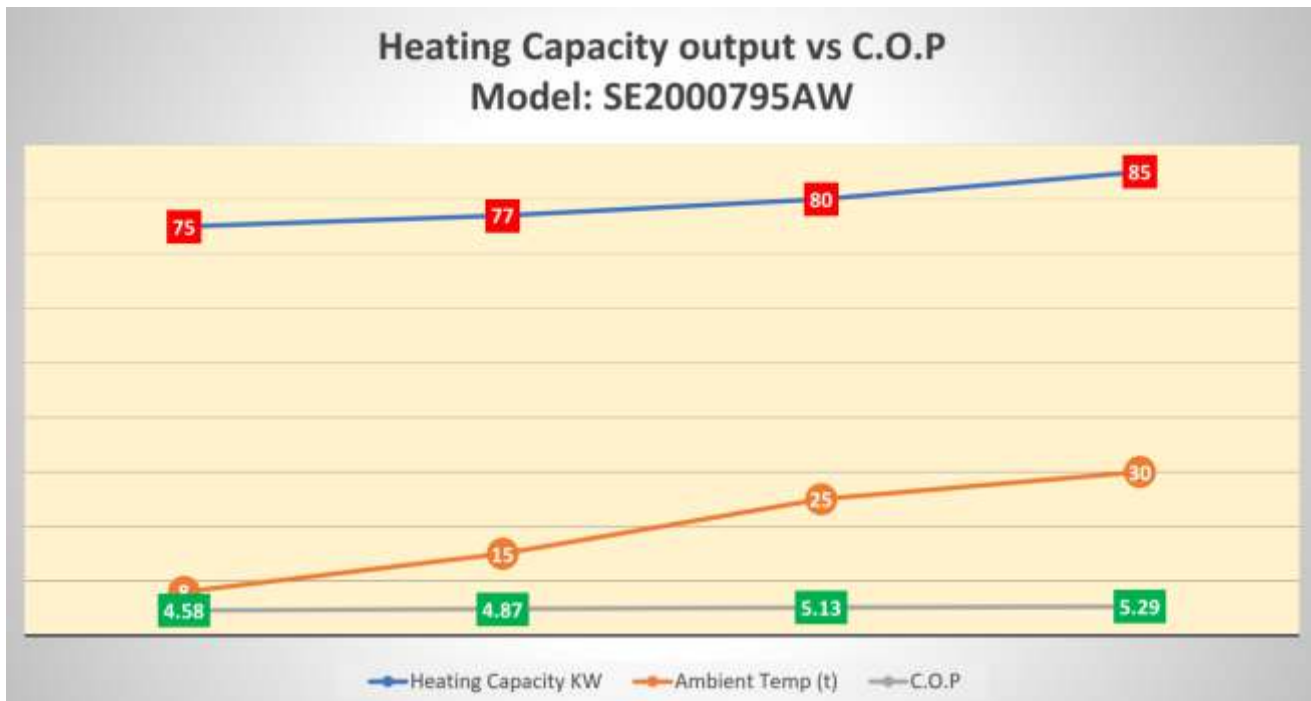


Chart of Co-efficient of performance

SE1000495AW



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SE2000975AW



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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 2.5.1 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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