

SINCE 1950s

SEILAR THERMO AUSTRALIA PTY LTD

HEAT PUMP WH

MANUFACTURING SINCE 1950s BY

thermex
SOLUTIONS



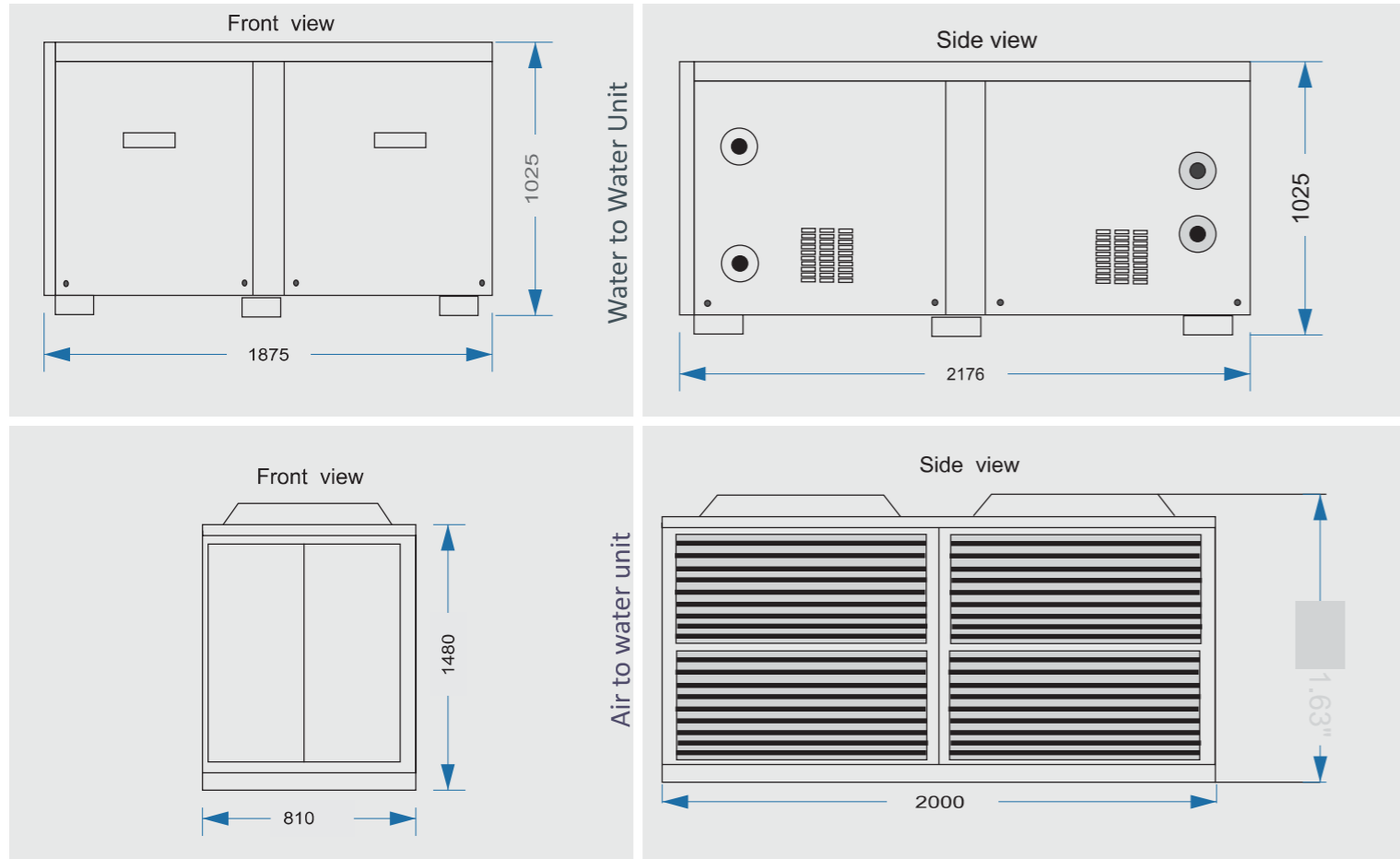
THERMEX SOLUTION
Heat pump manufacturer in AUSTRALIA
ABN 61 150 461 573

THERMEX SOLUTIONS AUSTRALIA P/L
16/165 WALDRON RD
CHESTER HILL NSW 2162
AUSTRALIA
ABN 61 150 461 573

www.thermex-solutions.com.au



MADE IN AUSTRALIA



AUSTRALIAN MADE PRODUCTS

- Air-to-Air Hot Water Heat Pumps
- Water-to-Water Hot Water Heat Pumps
- Ground-sourced Hot Water Heat Pumps
- Reverse cycle Heat Pump/Chillers
- Elite Sports Ice-bath Chillers
- Aquaculture Heat/Cool Heat Pumps
- Domestic resident home heat pump

PRODUCT FEATURE

- High Coefficient of performance
- Anti-corrosion SUS 304 cabinet and frame
- Anti-Corrosion treatment of evaporator
- Digital Control and BMS Connectivity
- Copeland /Dafoss Scroll Compressor
- Double-wall Condenser and condensate drainage
- Smaller space in higher Performance in Design

AIR SOURCE HEAT PUMP HOT WATER HEATER MODEL : TH90A3S995AW

POWER SUPPLY	380-415V/50Hz/3P
RATING INPUT POWER	20.5 KW
HEATING CAPACITY Mn/Mx	90-95kW
REFRIGERANT /WEIGHT	R134a/9000g
TEMP OUTPUT	60°C
HIGH PRESSURE SWITCH	2800kPa
PIPE SIZE	2"
CABINET	SS 304
FAN QNTY	2
WATER FLOW	15M3/H
AIR FLOW	15000M3/H
CABINET SIZE (MM)	W810*H1480*L2000
NET WEIGHT	350 KG

Model	Voltage	Phase	Hz	Max Heating Water temperature °C	Ambient temperature °C DB	Relative humidity %	Min CH size (A)	Max Heating Power kW	Max COP	No. of Airflow fan	Airflow m³/h	Water Flow L/S
TH90A3S395AW	380-415	3	50	60	30	60	20	35-40	4.95	1	6100	1.7
TH90A3S95AW	380-415	3	50	60	30	60	40	55-65	4.95	2	12000	2.78
TH60A3S795AW	380-415	3	50	60	30	60	50	60-70	4.95	2	15000	3.33
TH70A3S895AW	380-415	3	50	60	30	60	60	85-95	4.95	2	14200	4.17
TH80A3S995AW	380-415	3	50	60	30	60	70	95-105	4.95	2	14200	5.00
TH100A3S1195AW	380-415	3	50	60	30	60	80	115-125	4.95	2	14200	6.11
TH120A3S1395AW	380-415	3	50	60	30	60	90	135-145	4.95	3	16000	6.94
TH150A3S1695AW	380-415	3	50	60	30	60	100	165-175	4.95	3	28400	7.78

INVERTER Compressor in Heat Pump

The energy regulations generate several challenges that can be easily taken up with variable speed technology. The energy regulations generate several challenges that can be easily taken up with variable speed technology.



Inverter compressors are the best way to obtain and exceed the energy standards with high part-load and seasonal efficiency while providing several other key benefits. On top of the advantages provided by the technology (precise cooling and humidity management, low start-up current, energy efficiency etc.), Danfoss inverter scrolls VZH have specific features that offer high value to the customers and end users.

DOUBLE WALL heat exchanger inside



Advantages of the Double-Wall Plate Heat Exchanger The Double Wall Plate Heat Exchanger, has many advantages over double-wall shell-and-tube heat exchangers: compact, Diagram Transformer oil cooling Water-contaminating

transformer oil can result in severe damage to the transformer and can necessitate lengthy plant shutdowns. Lube oil cooling Oil which pollutes the cooling medium, whether it is sea, lake or river water, can cause severe damage to the environment and if the cooling medium mixes with the oil, serious damage can be caused to the equipment being cooled. Quench oil cooling Water mixing with quench oil can cause a steam explosion. Potable water heating District heating water, glycol, refrigerants and other heat sources



MADE IN AUSTRALIA



MADE IN AUSTRALIA

MADE IN AUSTRALIA BY THERMEX SOLUTIONS P/L

PLATE HEAT EXCHANGER SS316



TUBE IN TUBE DOUBLE WALL HEAT EXCHANGER TITANIUM



AUSTRALIAN MADE PRODUCTS

- Air-to-Air Hot Water Heat Pumps
- Water-to-Water Hot Water Heat Pumps
- Ground-sourced Hot Water Heat Pumps
- Reverse cycle Heat Pump/Chillers
- Elite Sports Ice-bath Chillers
- Aquaculture Heat/Cool Heat Pumps
- Domestic resident home heat pump

PRODUCT FEATURE

- High Coefficient of performance
- Anti-corrosion SUS 304 cabinet and frame
- Anti-Corrosion treatment of evaporator
- Digital Control and BMS Connectivity
- Copeland /Dafoss Scroll Compressor
- Double-wall Condenser and condensate drainage
- Smaller space in higher Performance in Design

AIR SOURCE HEAT PUMP HOT WATER HEATER MODEL : TH70A3S795AW

POWER SUPPLY	380-415V/50hZ/3P
RATING INPUT POWER	16.5 KW
HEATING CAPACITY Mn/Mx	75-80kW
REFRIGERANT /WEIGHT	R134a/8000g
TEMP OUTPUT	60°C
HIGH PRESSURE SWITCH	2800kPA
PIPE SIZE	1-1/2"
CABINET	SS 304
FAN QNTY	2
WATER FLOW	13M3/H
AIR FLOW	13000M3/H
CABINET SIZE (MM)	W760*H1420*L1920
NET WEIGHT	300 KG

MADE IN AUSTRALIA BY THERMEX SOLUTIONS P/L

Here are some advantages to the Edwards Coils Heat Exchanger

1 Cut water consumption
When used as a refrigerant condenser, the Edwards coaxial counter-flow heat exchanger reduces the consumption of condenser cooling water dramatically because the desuperheating of the refrigerant gas can be performed by the condenser water (in counter-flow the refrigerant) after the refrigerant has been sub-cooled and condensed. With hermetic compressors, this feature is of particular importance since at least 35% of the heat rejection in the condenser is in the superheat region. It is even possible to have the water leave the condenser at a temperature higher than the condensing temperature.

Material flexibility

Applied fin construction permits use of various materials for a wide range of applications: copper, cupro-nickel, stainless steel, and titanium.



MADE IN AUSTRALIA



MADE IN AUSTRALIA