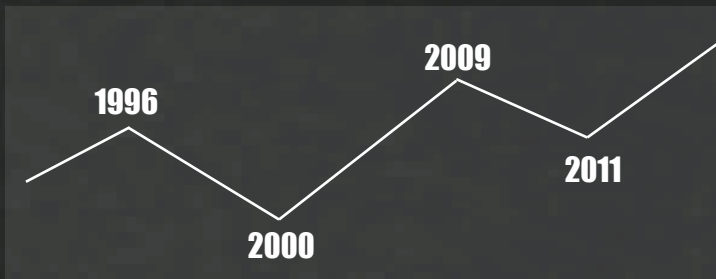


Remarkable References

Ecotech Heat pumps have been rapidly growth since year 2000 and continuing used widely within varoius applications both local markets and export markets, such as **HOTELS**, Resorts, **RESTAURANTS**, Sport Clubs , **LAUNDRIES**, Hospitals, **POOL & SPA**, Low & High Rise **Condominiums**, **Apartments** and **INDUSTRIALS**.



With over 16 years experience, our Ecotech Heat pumps have been delivered more than **500 projects** on time and on budget with a proved on ...

"A Best Fit Design to the Conditions of Use"

From our distributor built premises , we are now in a position to delivery these products and services on a global basis.



ecotech[®] Heat Pumps

Innovative Energy Savings Technology



J-7 Engineering Company Limited.
Innovations For Lives and Environment
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Tel: +66 2 361 3708 Fax: +662 361 3710
Email: info@j7eng.com Website: www.j7eng.com



Formule1 at Pune, India

Air To Water Heat Pumps



Innovations For Lives and Environment



**ประหยัดพลังงาน ประสิทธิภาพสูง
เบอร์ 5 รายแรกในประเทศไทย**

The First Runner High Energy Saving Performance on Heat Pumps Award

Cooling down Your Costs

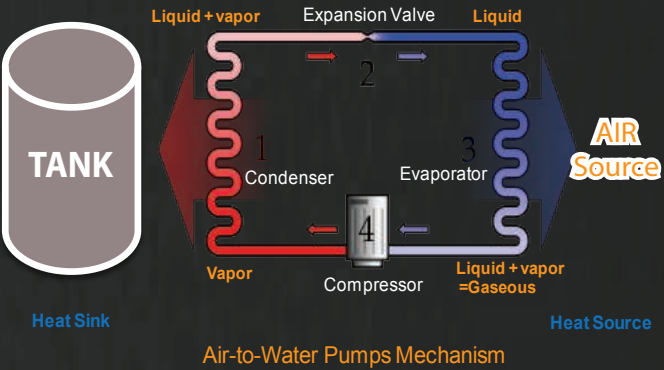
Heating Water can be one of the largest energy expenses for many excellent businesses and services. With a long term rising costs and energy bills that would reduce overall organisational profits.

Ecotech Heat pumps have offered a cost effectiveness solution for water heating system plus free air cooling to save overall expenses.

There is a significant costs saving 3-5 times compared with, conventional method as gas, oil, or electric water heating.



Ecotech Heat pumps are designed to heat water at energy savings, by absorbing “A Free Thermal Heat” nearby areas and utilising a compressor refrigerant cycle to heat up hot water.



Air-to-Water Heat Pumps Features & Benefits



Energy Saving Compressors
“Scroll” type compressor has been carefully selected for “Ecotech”. Not only its durability and reality virtue, but also economical reason as well.

Energy saving with scroll type is 12-15% compared to others.



Highly Heat Transfer Performance
Plate heat Exchangers, made of **extended Corrosion Resistance** stainless steel S316L helps to prevent against corrosion caused by used of scale remover acid.

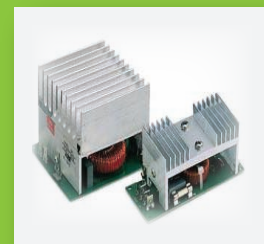
SMO-254 and Double Wall Heat Exchanger are optional



Completed Circulating Pump Design
Built-in a high efficiency **Grundfos Pump**.
Plus **Hydraulic Control** helps the energy saving ability increases with **Electronic and Time delay devices**.



Fully Safety Control & Protection
Main Safety & Protection Device - RCDs
Residual Current Devices.
Phase Sequence Protection, Current Overload,
Main Circuit Breaker



Variable Speed Control
Design best fit for wide range ambient.
Enamel finned coil to corrosion resistance and washable dust filter.
Increase Proformance with Fan Speed & Head pressure Control are optional.



Main components are UL list

Completed Automatic Control

Design for self-diagnosis and safety operation with an adjustable digital thermostat leading to a lower cost of installation and services.

Easy for Services

Installed on the **Plate heat eXchanger** readily for convenient services.

Extra Cooling Benefits

Best for moving cooling benefits up to 15 meters (22-26 deg C)

Environmental Friendliness

R134a Non-Ozone Depleting Substance

Excellar Models Specification

Models	Heating Capacity (KW)	Cooling Capacity (Btu/Hr.)	Power Consumption (Max. KW)	Recovery Rate (LPH) @30C rise	Dimensions (DxWxH) mm	Net Weight (KG)	20ft/40ft Full Container Load
WHP030	11.5 - 13.4	24,000	2.1 - 3.7	325	785x1200x1105	120	10 / 20
WHP040	17.1 - 20.2	40,400	3.2 - 5.3	500	785x1200x1105	130	9 / 18
WHP060	22.2 - 26.9	56,000	4.2 - 6.8	630	800x1300x1425	220	9 / 18
WHP080	28.7 - 33.7	72,000	5.5 - 8.6	820	800x1300x1425	245	9 / 18
WHP100	36.0 - 41.6	90,000	6.5 - 11.0	1,000	800x1300x1425	260	9 / 18
WHP110	43.0 - 50.5	107,000	7.9 - 13.0	1,220	800x1600x1575	400	9 / 18
WHP120	58.9 - 68.0	148,000	11.5 - 18.0	1,680	800x1200x1750	450	4 / 8
WHP180	72.0 - 83.0	180,000	13.0 - 22.0	2,000	800x1505x1750	520	4 / 8
WHP190	86.0 - 101.0	215,000	16.6 - 27.0	2,450	1135x2086x1670	620	4 / 8

Remark: Nominal capacity based on Air temperature 35C DB/28C/WB, Evaporating / Condensing Temp 12.5C / 65C

Certified Energy Saving by ...



Complied IEC 60335-2-24



Optimised Models

Specification

Models	WHP16	WHP20	WHP25
Heating Capacity (KW)	5.26 - 6.2	8.25 - 9.7	11.5 - 13.3
Cooling Capacity (Btu/Hr.)	12,800	20,400	29,000
Power Consumption (Max. KW)	0.9 - 1.52	1.4 - 2.4	1.7 - 3.4
Recovery Rate (LPH) @30C rise	150	235	325
Dimensions (DxWxH) mm	600x600x600	600x600x600	350x800x1210
Net Weight (KG)	65	70	80

Remark: Nominal capacity based on Air temperature 35C DB/28C/WB, Evaporating / Condensing Temperature 12.5C / 65C