



SWADESHI

Be Indian Buy Indian



AIR SOURCE HEAT PUMP WATER HEATER



Total Hot Water Solution

*Air Source Heat Pump
is a Renewable
Energy Device*



SWADESHI TEC

Mfrs. & Mktg. : Solar Water Heaters & Air Source Heat Pump Water Heaters

Reduce your fuel costs today.... for tomorrow's bright future

Approved Firm:



SWADESHI TEC is one of the Pioneers in the field of Renewable energy Solutions and thus contributing in preserving green earth for three decades. We are specialized in manufacturing and marketing of energy saving devices like Air Source Heat Pump Water Heaters and FTP/ETC Solar Water Heating Systems in the name of **SWADESHI SOLAR**.

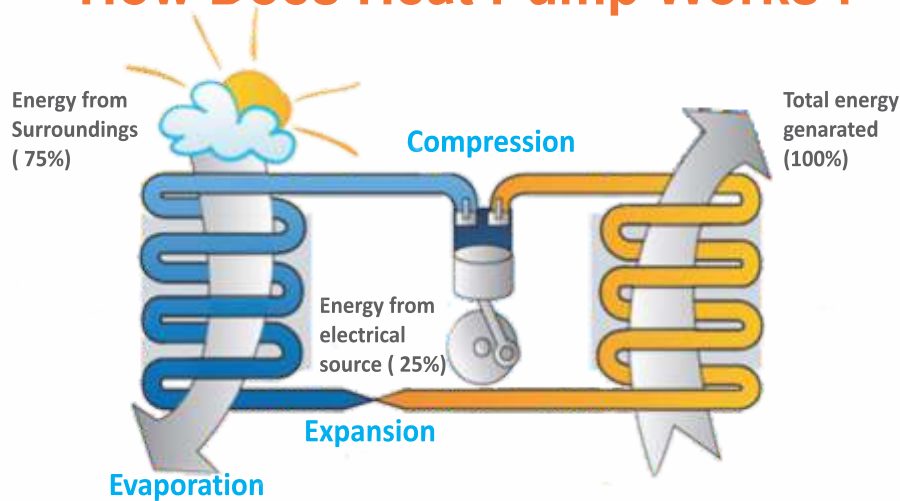
SWADESHI TEC is one of the few organizations that gives a long term commitment on the reliability and performance to the entire satisfaction of our valued customers, providing unrivaled service.

Product Range : Manufacturing and supply of FPC & ETC Solar Water Heating Systems and energy saving products like Air Source Heat Pump Water Heaters for Domestic, Commercial & Industrial use.

Air Source Heat Pump Water Heating System (A revolution in Water heating technology)

Air Source Heat Pump Water Heating System works with a proven high performance and power saving technology and regarded as 4th generation water heater. It is unique because, approximately 75% of total heat energy generated is absorbed from surrounding air & 25% from electricity.

How Does Heat Pump Works :



Working Principle

- ☀ Heat from Ambient Air is absorbed by evaporator coils containing refrigerant at low pressure and low temperature.
- ☀ Due to heat absorption the refrigerant boils & vaporizes.
- ☀ After passing through compressor, the refrigerant attains high temperature & high pressure and enters into condenser with heat exchanger.
- ☀ While condensing the refrigerant transfers heat to the water in the Heat Exchanger and thus loses its temperature.
- ☀ The refrigerant further loses its pressure & temperature while passing through expansion valve and enters evaporator chamber. Thus the cycle repeats.
- ☀ The COP (Coefficient of Performance) is between 3 to 4 which means that, it will produce 3 to 4 units of heat energy by consuming 1 units of electricity.

Why A Heat Pump In Preference to Traditional Water Heater

- 🌿 24/7 Hot water solution
- 🌿 Equipped with high quality, efficient compressor & evaporator
- 🌿 Automatic defrosting function
- 🌿 All weather operation. No matter in rainy, snowy or cloudy days
- 🌿 Equipped with intelligent controller with LCD display
- 🌿 Easy and flexible installation and maintenance
- 🌿 Durability : long lifespan , low maintenance

Domestic Air Source Heat Pump Water Heater



These domestic models are most popular as air to water heat pumps with high efficiency and energy saving advantages consisting of an outdoor compressor unit and a well-designed water tank to withstand high pressure (where pressure pumps are used) with built-in heat exchanger. These can be installed indoor or outdoor.

Commercial Air Source Heat Pump Water Heater



These commercial air to water heat pumps are high efficient, energy saving and environment friendly and well designed to make them most suitable for Hotels, Hospital, Hostels and Industries etc. These models are capable of increasing the temperature of water up to 55°C from ambient temperature.

Industrial High Temperature Air Source Heat Pump Water Heater



These models are specially designed for industries with capacity to increase the temperature of water upto 85°C from ambient temperature.

These can be used to replace conventional water heaters like boilers fed with coal/wood/oil/electricity for huge energy savings. In addition, this will help industry for intangible benefits like elegance & pollution related issues.



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Domestic Applications for Houses, Villas & Apartments



Commercial Applications for Hotels, Hospitals & Hostels



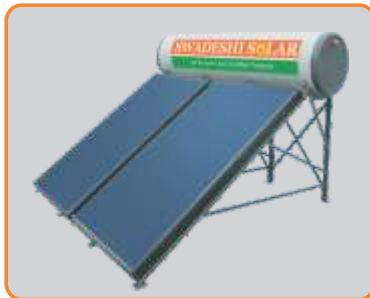
Industrial / Commercial Applications



Also Available :



ETC Solar Water Heater



FPC Solar Water Heater



Hot Water Storage Tanks

SWADESHI GROUP

SWADESHI TEC

Mfrs. & Mktg. : Solar Water Heaters & Air Source Heat Pump Water Heaters

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Note **SWADESHI TEC** is not responsible for any cash transaction with any executives. The payment has to be made through online fund transfer or Demand Draft or A/c payee cheque, drawn in favour of **INB Total Solutions Mysuru**

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