

Eco Green

Eco Green is a Green Initiative in Nepal with innovative approaches in energy saving. Eco Green is a professional team of businessmen, engineers and technicians who have wide experience in energy saving.

Eco Green has been assisting hotels, resorts, factories and homes with professional advices and energy saving system as per the requirement of partner customers.

ecogreen Heat pump of 400 plus units have been installed and running for always hot water in hotels, resorts, hospitals, hostels and factories all around Nepal and Bhudhan from 2010.

Customers are very happy with huge saving, product quality and prompt after sales service provided by Eco Green.

ecogreen Heat Pumps are working for saving significant energy (electricity, kerosene, diesel) for the nation since it has started its operation. Energy Saving is our prime concern, so is our focus.

After running for more than 8 years, ecogreen Heat Pump has become the reliable brand for water heating solutions in Nepal and Bhutan. Eco Green has been working for proven product quality and after service delivery all the time.

Heat Pump

A heat pump is an electrical device that extracts heat from one place and transfers it to another.

Working Principle

The system follows Carnot Cycle Principle, driven by electricity. It absorbs the latent heat in the air, compresses it to heat by compressor and exchange heat to higher water temperature.

1 unit electricity can produce heat equal to 4 units of electricity.



Available Capacity

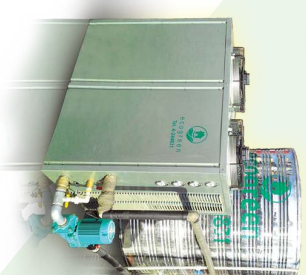
200L, 320L, 500L, 1000L,
1500L, 2000L & 3000L.



ecogreen Heat Pump for:

- Hotels, Spa and Resorts
- Hospital
- Dairy
- Pashmina, Dyeing
- Laundry
- Wherever Hot Water Requirement is High

Highly Protected Automatic System for Low Cost Water Heating



Benefits

- ENDLESS HOT WATER
- SAVE ENERGY
- SAVE SPACE
- NO VENTING
- SAVE WATER
- SAVE MONEY



Frequently Asked Questions

What if already boiler has been installed for Water heating?

- Boiler will be kept as a back up.
- ecogreen Heat Pump will be installed for Hot Water with the existing hot water tank and hot water from ecogreen will be passed through boiler if need high temperature for water or steam so save huge on energy bill.

What if already Solar has been installed for Water heating?

- Solar Panels will be kept to get hot heat water for ecogreen Heat Pump.
- Solar Panel will help to minimize the operating cost of ecogreen Heat Pump, if space is more important, then only Solar Panel will be installed or uninstalled.

How much is the saving if we are using Diesel Boiler?

- Saving potential up to 75%

How much is the saving if we are using Electric Geyser?

- Saving potential up to 70%

How much is the saving if we are using Diesel Boiler for high temperature hot water or steam generator?

- Saving potential up to 50%

How much power is consumed by ecogreen Heat Pump?

- ecogreen Heat Pump consumes the least amount of electricity.
- ecogreen Heat Pump has efficiency of 400% meaning 1KW power input will give 4KW equivalent hot output.

What is the primary maintenance needed for ecogreen Heat Pump?

- ecogreen Heat Pump should be checked regularly by authorized technician from Eco Green for smooth running and long life of ecogreen Heat Pump.

How much time it will take to heat water for ecogreen Heat Pump?

- Depending on the heating capacity per hour and the size of the tank, it will take 3-5 hours to reach 60 degrees.
- Normally, the ecogreen Heat Pump will run at the time for heating water only. Hence ecogreen Heat Pump will not run at the time for heating water.

Can we get hot water any time from ecogreen Heat Pump?

- Yes, we can get hot water any time from ecogreen Heat Pump in any weather conditions provided there is continuous electrical supply.

Can we use existing Solar Tank for ecogreen Water heating?

- If the existing tank has good insulation, capacity and match ecogreen Heat Pump tank requirement, then definitely can use existing Solar Tank.

What about the quality of ecogreen Hot Water Tank?

- ecogreen Hot Water tank insulation is about 5 cm of PU Foam, hence hot water will be kept for long time. All the innerman, with SS 201 grade and SS 304 grade for inner layers.
- ecogreen Hot Water Tanks are made with SS 201 grade for outer and SS 304 grade for inner layers.
- We guarantee for upto 10 years depending on the quality of water used to store.

How much water will be wasted or how long it will take to get hot water on the tap?

- It will take less than 15 seconds to get hot water.
- It can have the circulation system for hot water supply, hot water will be instantaneously.

Where are ecogreen Heat Pumps manufactured?

- ecogreen Heat Pumps are manufactured in ISO 9001: CE, CB, EMC, CCC, RCM, SABS, certified factory based in China under strict quality supervision.

What will be the life of ecogreen Heat Pump?

- Life of ecogreen Heat Pump will be 10-15 years depending on regular maintenance. It will be good for regular maintenance by ecogreen technician for longer operational life.