

Evaporative Pre-Cooling for AC condensers

(Best suited for hot and dry climates)



Practical technologies to reduce air-conditioning electricity use in residential buildings

Sustainable Cooling

www.venkacon.com

Concept:

Air conditioners work more efficiently when the outdoor condenser receives cooler air. In hot, dry climates, evaporative cooling can lower the temperature of incoming air before it reaches the condenser.

How it works?

Ambient Hot Air → Evaporative Cooling Pad → Cooler Air → Condenser Unit

Water evaporates in the cooling pad, lowering the air temperature before it passes through the condenser coil.

Product

Retrofit kit that is easy to install & App

Benefits:

- ▶ Reduces condenser temperature
- ▶ Improves AC efficiency
- ▶ Low energy consumption (only small pump & fan)
- ▶ Works well in dry regions

Typical Savings

10-25% reduction in AC electricity consumption during peak heat conditions.

Want to learn more?

Email

vikrant.venkataraman@outlook.com

Or visit www.venkacon.com