



## Solar Hot Air Collector

Now you can supplement your heating requirement by simply using the energy from the sun. The **KOZI** Solar Hot Air Collector will provide you with free, clean energy and has no operation costs. The collector can generate up to 2 kW (6830 BTU/hr.)\* of energy. It produces zero emissions and can reduce tones of carbon emissions annually. It will supplement your current heating system and reduce your heating costs substantially. The **KOZI** Solar Hot Air Collector has a pay back period of 2-5 years.

The **KOZI** Solar Hot Air Collector is completely self-sufficient, does not require any electrical wiring and uses the power of the sun to generate heat. A solar powered fan is used to distribute the hot air into the desired area. The **KOZI** Solar Hot Air Collector is simple to install and requires minimal maintenance.

\*Will vary based on the insolation value in your area.

[www.kozisolar.com](http://www.kozisolar.com)



# KOZI Solar Collector Model AP01

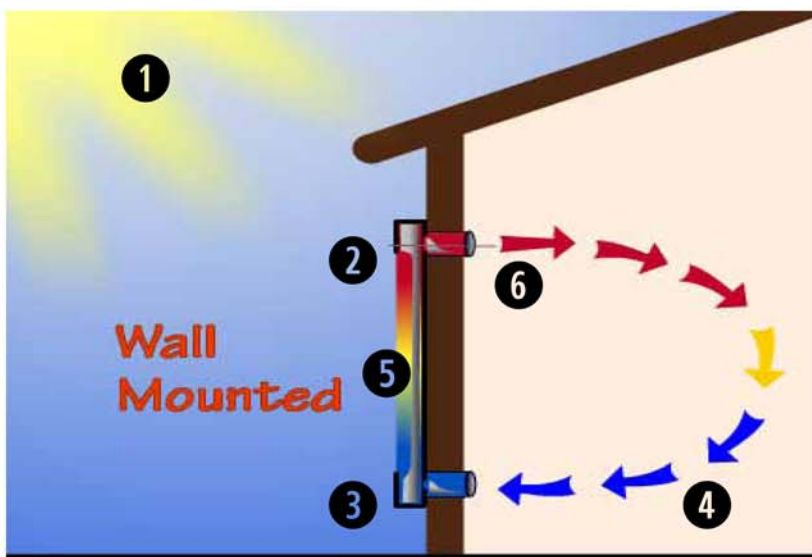
## SPECIAL FEATURES

- Clean Energy System
- Requires No Electricity
- No Maintenance
- No Emmissions
- 100% Solar Powered
- Simple to Install
- 2 to 5 Year Payback
- Can Supplement up to 15 KW (50,000 BTU) Heat on a Sunny Day

## DESIGN FEATURES

- Twin wall polycarbonate glazing.
- Built in fan with a photovoltaic panel.
- Aluminum absorber plate for maximum heat.
- Unique heat transfer collector system.
- Higher temperature absorber paint
- Wall thermostat capable (optional).
- High quality thermal insulation foam encases the collector to reduce heat loss
- Use of back draft dampers to prevent reverse-thermosiphoning

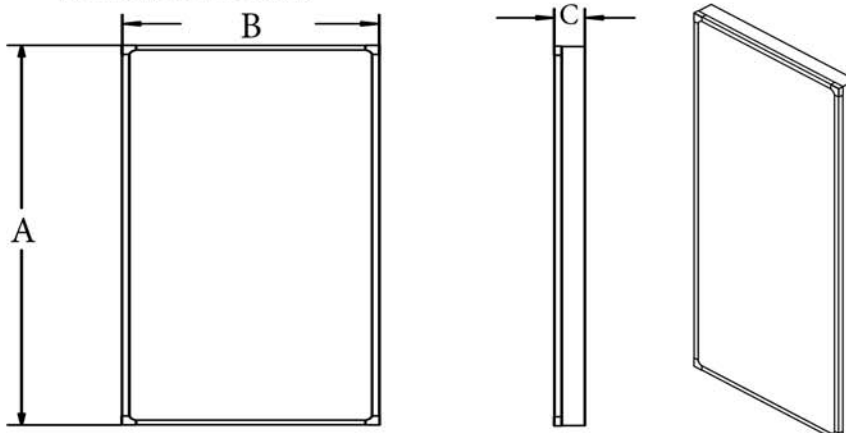
## HOW IT WORKS



1. The sun creates energy that is used to produce heat in the **KOZI** Hot Air Collector.
2. The surface of the absorber gradually heats up as the sun hits the collector.
3. Simultaneously, the sun provides energy to the photovoltaic (PV) panel used to power the circulation fan.
4. Once the circulation fan comes on, cold air is then drawn from the house and enters the inlet of the collector.
5. This cold air gets heated as it passes behind the absorber.
6. The heated air is then pushed back into the home.

## SPECIFICATIONS

A. Height	84.6" (2150mm)
B. Width	36.0" (920mm)
C. Thickness	4.38" (110mm)



Design and specification are subjected to change at any time without notice or obligation.