

## Solar Attic Fan 9910TR - ventilates up to 1150 square feet of attic space



Quite simply the best product you can buy to reduce heat build-up in your attic in the summer and remove harmful moisture in the winter.

The solar panel and fan motor have up to 25% more power than other fans, providing much better circulation and improved airflow. The advanced design provides more efficient attic ventilation while using no electricity.

One fan alone can ventilate up to 1150 square feet of attic space reducing the energy needed to keep your home cooler in the summer. By running year-round, it can also remove harmful moisture in the winter months keeping your attic space drier, reducing condensation, and the potential for ice damming, mildew and mold.



Cools in the summer

During the peak summer months, your attic's temperature can rise to 160° or more. This heat build-up can raise the temperature inside your home and increase the amount of electricity used by air conditioners and other cooling equipment.



#### **Removes damaging moisture in the winter**

During the winter months, warm moist air from inside your home rises into the attic and collides with the colder underside of the roof. The moist air condenses and promotes mold and mildew.

If you live in an area that has snow, the warmer attic air will heat the roof and melt the snow which drips to the eaves where it can refreeze as ice and form ice-dams under the eaves. These ice-dams will cause water to work back up under the shingles into the attic and down to the ceiling.



#### **Intelligently simple attic ventilation**

With the addition of the optional Solar Controller with Dual Mode Technology your Solar Powered Attic Fan will now have the ability to run after sunset, or when there is inadequate light available from the sun.

When there is no sunlight available to power the fan and the Solar Controller has the optional house power connection enabled, the Solar Controller will cycle house electricity for 8 minutes every half-hour in order to power the fan. This will allow your attic temperature to continue to drop after sunset and help remove the hot, stagnant air that can buildup on those warm summer evenings.

The Solar Controller also includes temperature and humidity sensors which enable the fan to intelligently run at the most optimal times to reduce attic temperature and moisture. It also helps prolong the life of your fan by shutting off the motor when conditions are stable and attic ventilation is not necessary.

## Product Features

Adjustable Solar Panel and Shroud adding up to 25% more Power  
 High Output 38 Volt Motor  
 Commercial Grade 10 Watt Solar Panel  
 Ventilates up to 1150 sq/ft  
 Year-round benefits: Cools in the summer – removes harmful moisture in the winter  
 Qualifies for IRS Tax Credit – other rebates may be available in your area.

## Materials of Construction

<b>Shroud Cover</b>	Vacuformed Qi-Mei 747S ABS with Ultraviolet Light inhibitors, 0.4mm thickness Resists fading, denting, rusting, and cracking
<b>Flashing/Housing</b>	25 gauge steel
<b>Rodent Screen</b>	1/4" stainless steel mesh screen secured with galvanized self-taping screws
<b>Fan Blade</b>	12" 3-wing ultra quiet aluminum blades with pitch angle matched to dc motor/solar panel
<b>Finish</b>	Metal components are steel finished with zinc alloy G-90 thickness, hot dipped. Painted metal components are powder coated : pure polyester coating 3 - 5 mils thickness
<b>Solar Panel</b>	10 Watt panel with high transmission tempered glass encapsulating 35 mono-crystalline solar cells. Manufactured to ISO 9001 standards
<b>Motor</b>	38 volt DC motor with external brushes
<b>Wiring</b>	16 gauge black and red copper wire
<b>Unit dimensions</b>	23" x 24" x 12", 16 lbs