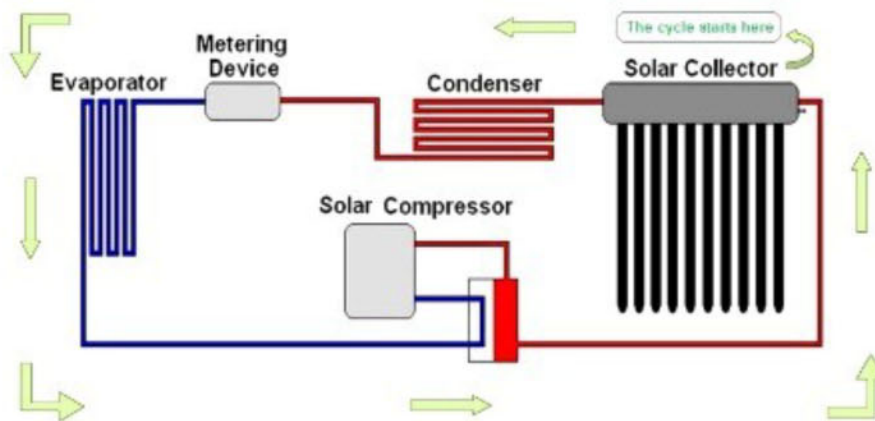


## How does a solar air conditioner work?

The solar collector super heats the refrigerant changing the thermodynamic process of the refrigerant and reduces the required work of the compression operation of the compressor. This then lowers the required electrical consumption, reduces the running time of the entire system and maintains a more comfortable conditioned space. By "Super Heating" the refrigerant with the aid of the Solar Collector, we are able to increase the temperature difference between the condenser coil and the ambient temperature. By creating this difference, Sedna Aire is able to utilize the entire coil face at the condenser which allows for a better heat exchange throughout the entire system.

With a greater heat exchange, Sedna Aire is able to not only reduce the temperature in the conditioned space but also maintain better humidity control which makes the space more comfortable at a higher temperature...in addition your air conditioning unit doesn't run as long and cycles less.



A S.E.E.R. (Seasonal Energy Efficiency Rating) is the rating and performance standards that have been developed by the U.S. government and equipment manufacturer's to produce an energy consumption rating that is easy to understand by consumers. It has a universal formula and conditioning that can be applied to all units and compensates for varying weather conditions.

ENERGY STAR is a government-backed program helping businesses and individuals protect the environment through superior energy efficiency.

AHRI administers the heating, ventilation, air conditioning and commercial refrigeration (HVACR) industry's performance certification programs for heating and cooling equipment and components. Manufacturers who have had their product performance claims tested and certified by AHRI can apply one of the association's families of certification marks.

Sedna Aire USA products are environment friendly, ecologic and made in the USA!

Solar energy is not only clean energy but it is free energy!

ecoLogic™ is your sign of an environmentally friendly, high-efficiency heating and cooling product.

Only the most energy-efficient, most environmentally responsible units receive the ecoLogic seal of quality.

