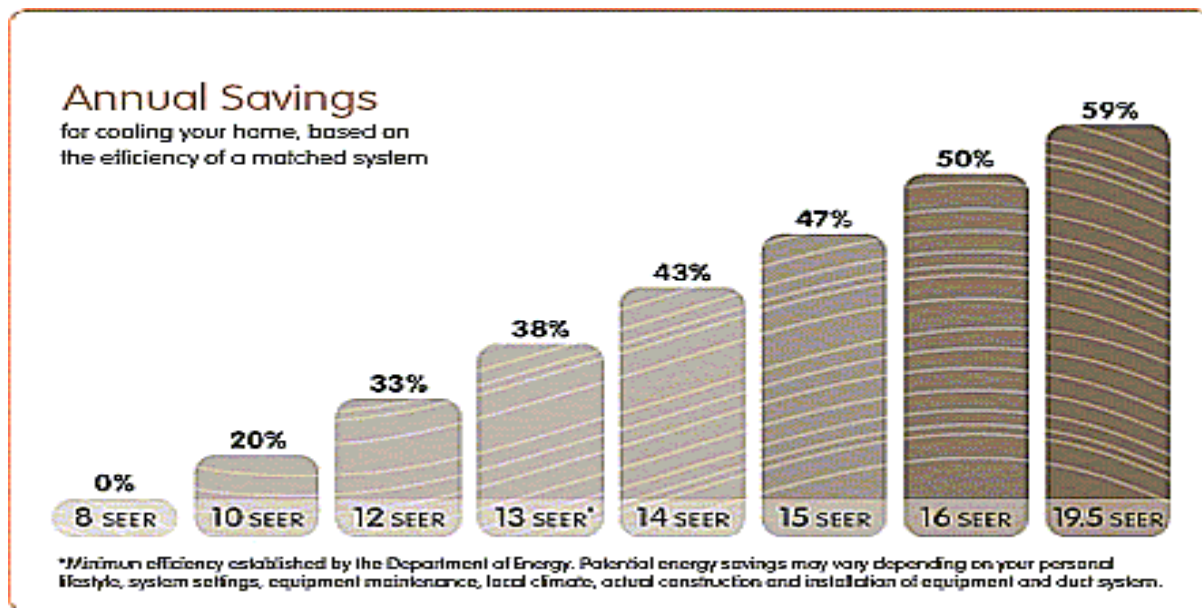


# *Solar Air Conditioning* by Sedna Aire USA

*Solar Air Conditioning can save you lots of MONEY!*

All Sedna Aire USA products start out with a 16 SEER rating before applying solar technology and grow to as much as 32 SEER...the amount of growth is dependent upon the energy supplied by your locations environment... in a sunny climate with temperatures of 85°F and above you should be well above 24 SEER!



*Air conditioning using solar energy...cutting edge technology for the 21<sup>st</sup> Century!*

How does a *Sedna Aire* 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.

***Tested and certified...Energy Star, EcoLogic approved, AHRI & UL certified!***

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.

How does a heating or cooling product earn the ecoLogic name? To qualify, products must meet the following criteria:

Rated as an Energy Star® product for efficiency.

Use non-ozone-depleting refrigerant, such as R-410A, in cooling products.

Include multi-stage, variable-speed compressors for optimal indoor comfort and efficiency.

Feature "smart" control boards or diagnostic controls for total indoor air quality.

Incorporate noise-reducing features.

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