



Condensing Unit / Air Handler Residential System

Indoor Comfort, All Year Long



A new air conditioner or heat pump is an important purchase, which is why we want to provide you with the best system possible. AAON residential products provide year round comfort with an emphasis on efficiency and indoor air quality.

Heat Pump Savings

The AAON heat pump can cost less to operate than a furnace because a heat pump does not burn fuel to create heat, it simply captures the heat that is always present (even in the coldest weather) and pumps it into your home.

In the summer, a heat pump performs just like any other air conditioner. It cools by pulling the heat out of your home and releasing it outdoors. In fact, our high efficiency heat pump cools so well it is up to 30% more efficient than standard models.

More Heating Choices

The AAON residential series offers you electric cooling with a choice of heat options. In warm weather, it is a high efficiency air conditioner. In cool weather, it can utilize electric resistance heating with 100% efficiency, or hot water coils can be chosen to operate with a water heater or boiler system.

* Ratings are established according to AHRI procedures and will vary depending on the indoor blower/coil installed as part of your system.

Enhanced Air Flow For Improved Indoor Air Quality

The variable speed air handler from AAON provides benefits to your indoor environment. By only operating the fan at high speed when required by a large cooling requirement, it allows the cooling coil to get colder and dehumidify the air in your home.

When the installer matches the variable speed fan with the AAON Modulating Dehumidification System, the unit can dehumidify your home even if there is no need for cooling.



A heat pump heats your home in the winter. . .



and cools your home in the summer.

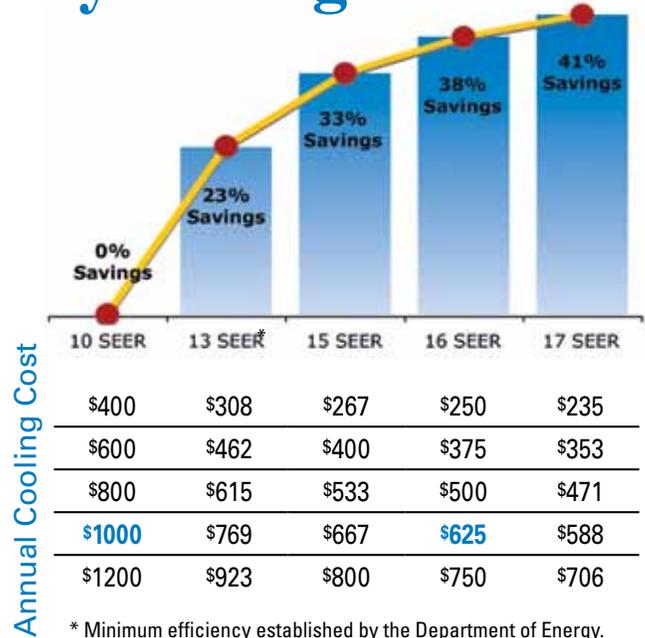
Up to **17** SEER*



Why a Higher Efficiency Rating Can Save Energy

Estimated Annual Cooling Cost Comparisons

If your current air conditioner or heat pump was purchased before 2006, it could be operating at lower than 10.0 SEER. Compare the estimated annual cooling bill of a 10.0 SEER system with a higher SEER, such as the AAOA 16 SEER. For instance, if the annual cooling bill of a 10.0 SEER system was \$1000, it could potentially cost only \$625 for a 16 SEER system, or an annual savings of 38%.



Potential energy saving may vary depending on your personal lifestyle, system settings, equipment maintenance, local climate, actual construction and installation of equipment and duct system.

Greater Efficiency

Our residential air conditioners operate with efficiencies up to 17 Seasonal Energy Efficiency Ratio (SEER). SEER measures the cooling efficiency of an air conditioner. The higher the SEER, the greater energy efficiency.

Every heat pump system has an energy rating as well. Our heat pumps operate with efficiencies up to 9.6 HSPF. HSPF stands for Heating Seasonal Performance Factor and refers to the efficiency of the heating mode of the heat pumps.



Condensing Unit & Air Handler

- Noise Reduction**
Standard compressor isolation mounts minimize vibrations. Optional high-density foam sound suppression blanket reduces radiated noise.
- Easily Cleanable Coil**
The wrap-around, single row enhanced fin coil design won't trap dirt and debris.
- Quick and Convenient Access**
Electrical and refrigeration components are easily accessed through service compartment.
- Color Coded Wiring**
The wiring is color coded to match the included wiring diagram for easy servicing.
- Galvanized Steel Louvers**
Standard G90 galvanized steel louvers provide strong, durable coil protection.
- Environmentally Responsible**
The system uses the environmentally friendly, non-ozone depleting R-410A refrigerant.
- Corrosion Resistance**
The condensing unit's painted coating protects it from harsh outdoor environments. The indoor air handler's composite drain pan resists corrosion and mold growth.
- High Efficiency**
The condensing unit uses a two step scroll compressor to reduce cooling costs. The indoor air handler uses high efficiency ECM technology for quiet, consistent comfort.

Optional Extended Warranties

AAON manufactures premier comfort systems. We understand that you want peace of mind that your system will perform as expected for many years. Because mechanical components occasionally need repair, we offer an extended manufacturers' limited warranty for up to 10 years of worry free comfort.



Why a Matched System is Important

A heating and cooling system is made up of individual parts. And even though each component is separate, they're all designed and engineered to work together as a system. A perfectly balanced system is the best way to get the highest comfort and efficiency.

Selecting the right size is crucial, too. For instance, an air conditioner that is too large will cool you home quickly but you still may not feel comfortable. It will satisfy the thermostat before it can remove sufficient moisture from the air. A system that is too small can not get the job done.

Air Handler / Heat Pump					
Model	Nom. Cooling Cap. (tons)	Nom. Heating Cap. (Btu/h)*	kW Available (up to)	Filter Size (in.)	Dimensions (H x W x D) (in.)
F1*024	2	24,000	10	20x20x1	51 x 22 x 21
F1*036	3	36,000	15		59 x 26 x 22
F1*048	4	48,000	20		
F1*060	5	60,000	25		

* For Heat Pump Models

Condensing Unit / Heat Pump			
Model	Nom. Cooling Cap. (tons)	Nom. Heating Cap. (Btu/h)*	Dimensions (H x W x D) (in.)
CB*024	2	24,000	39x31x37
CB*036	3	36,000	
CB*048	4	48,000	43x37x37
CB*060	5	60,000	

* For Heat Pump Models



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