

Replacement Systems

WHOLE HOME COMFORT

Furnaces

Air Conditioning

Heat Pumps



*Base
Comfort
Performance
& Infinity Series*

What is SEER? (Seasonal Energy Efficiency Rating)

SEER stands for Seasonal Energy Efficiency Ratio. It measures the energy efficiency of your air conditioner. The SEER rating quantifies overall AC system efficiency on a seasonal basis. It helps consumers compare energy efficiency when choosing a new air conditioner.

If your home's central air conditioning system is more than 10 years old, it may be time to consider upgrading to a new, more energy efficient system. The higher the system's Seasonal Energy Efficiency Ratio (SEER rating), the more efficiently it operates - which translates into lower electric use and lower electric bills.

Beginning January 1, 2023, there will be two SEER-related changes. First, the minimum SEER rating will increase on HVAC equipment from the current 13 SEER to 14 SEER in Northern states.

Additionally, the industry will adopt the SEER 2 standard. SEER 2 is like its predecessor in that it measures the total heat removed from a specific space versus how much energy it uses in the process.



R-22 or 410A Refrigerant

R-22 is known to deplete the ozone, 410A is ozone friendly
410A refrigerant is currently more expensive than R-22.
410A is the refrigerant of the future.

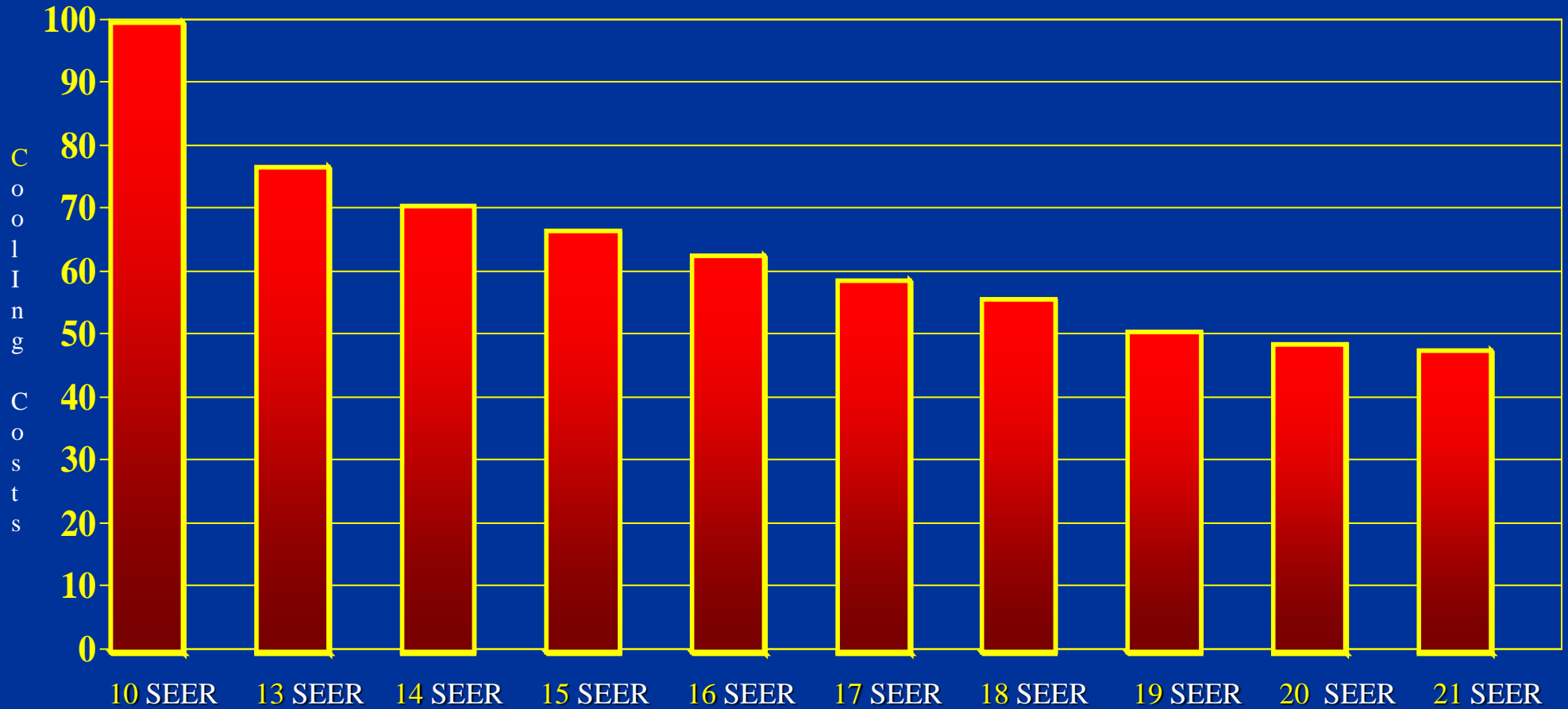
Phase-Out Timetable for R-22

2010 - Production and import for new equipment will stop in the U.S. R-22 will be available for servicing existing equipment.

2015 - Ban on sale and use except under certain circumstances.

2020 - Production and import will be banned entirely in the U.S. Recycled/reclaimed R-22 can still be used for service only.

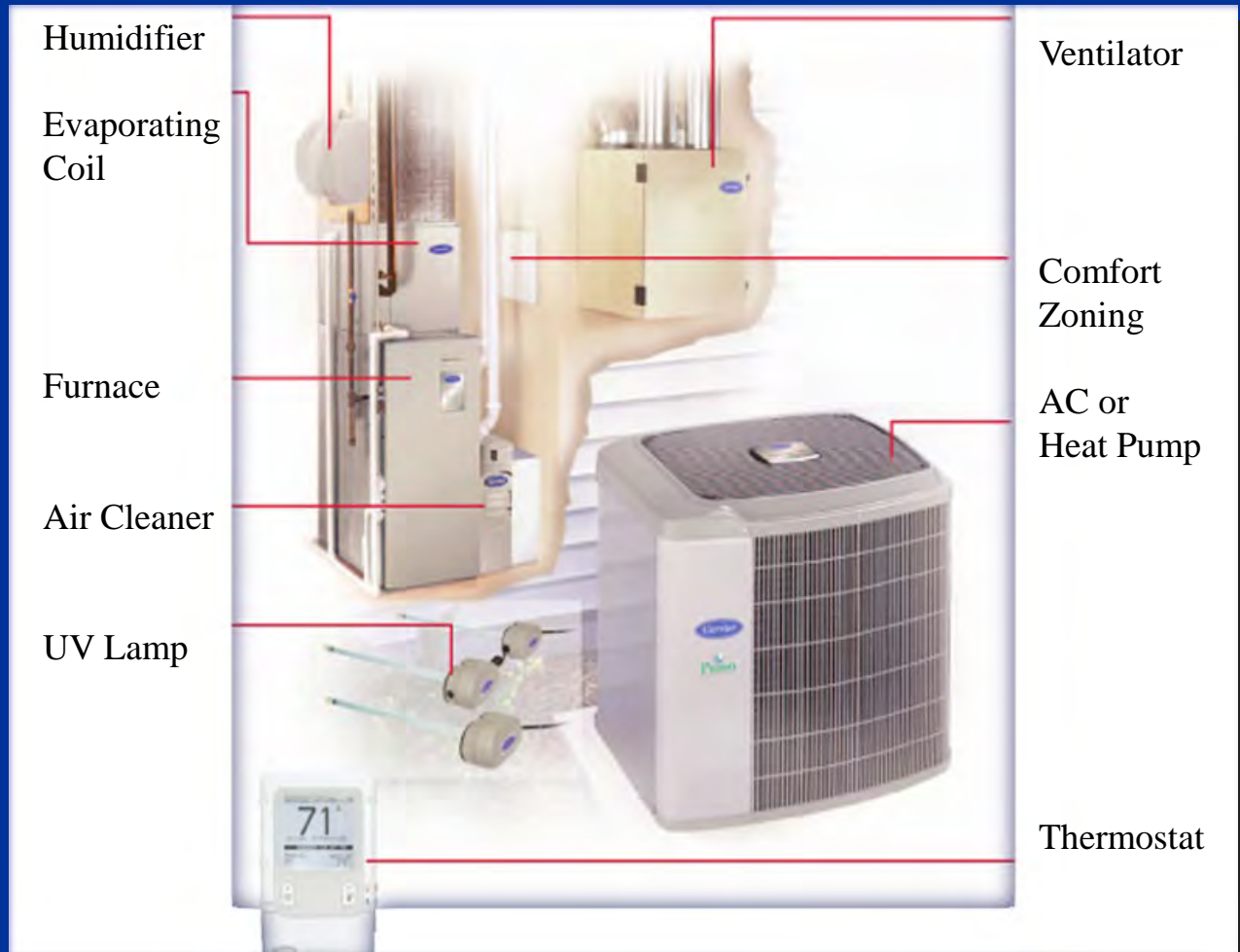
www.epa.gov/ozone/title6/phaseout



SEER ENERGY SAVINGS BASED on 3-Ton System

*Air Quality Solutions for
Your Complete Comfort*

For A More
Healthy,
Comfortable
Home!



Humidifier

a humidifier replenishes moisture to dry air.

Evaporator Coil

Matched with the proper outdoor unit a coil provides top cooling efficiency and years of reliable service. If replacing your outdoor unit, it is strongly recommended that your indoor unit be replaced as well.

Furnaces

Carrier offers a complete line of gas furnaces including two-speed, variable speed and high efficiency models.

Air Cleaners

Air cleaners can substantially improve indoor weather by removing airborne pollutants from the home.

UV Lamps

Eliminates bacteria, molds, viruses, VOC's, cooking, pet and tobacco odors.



Ventilator

Air quality issues are becoming a greater concern. Indoor air can be up to ten times more polluted than outdoor air. With a Carrier ventilator you can be assured of fresh, quality air throughout your home.

Zone Systems

Comfort zoning allows you to set different temperatures for different areas of your home. Enjoy greater comfort and added energy savings with room-to-room temperature control.

Air Conditioner or Heat Pump

Carrier's complete line of air conditioners and heat pumps provide reliable, high efficiency cooling for long lasting comfort and energy savings.

Thermostat Control

The thermostat is the command center. Precise temperature and humidity control and programmable and non-programmable features keep homeowners in touch with their comfort.

standard

HEATING AND

AIR CONDITIONING, INC.

Employee Owned
Committed to Excellence

Three Major Components for Your Comfort



Heat Pump or
Air Conditioner

Evaporator Coil

Furnace

A Complete Heating and Air Conditioning System for Your Comfort

Air-Conditioning

Reliability

Dependability

Comfort



14 SEER, (Seasonal Energy Efficiency Rating),
minimum government mandate.

BASE
COMFORT
PERFORMANCE
& INFINITY SERIES

(R22 or 410A Refrigerant)

Products from 14-21 SEER

5 year limited warranty on entire unit. Base model.

10 year limited warranty on the compressor, 5 year limited warranty on all other models.

A Complete Heating and Air Conditioning System for Your Comfort

Heat Pumps

BASE
COMFORT
PERFORMANCE
& INFINITY SERIES

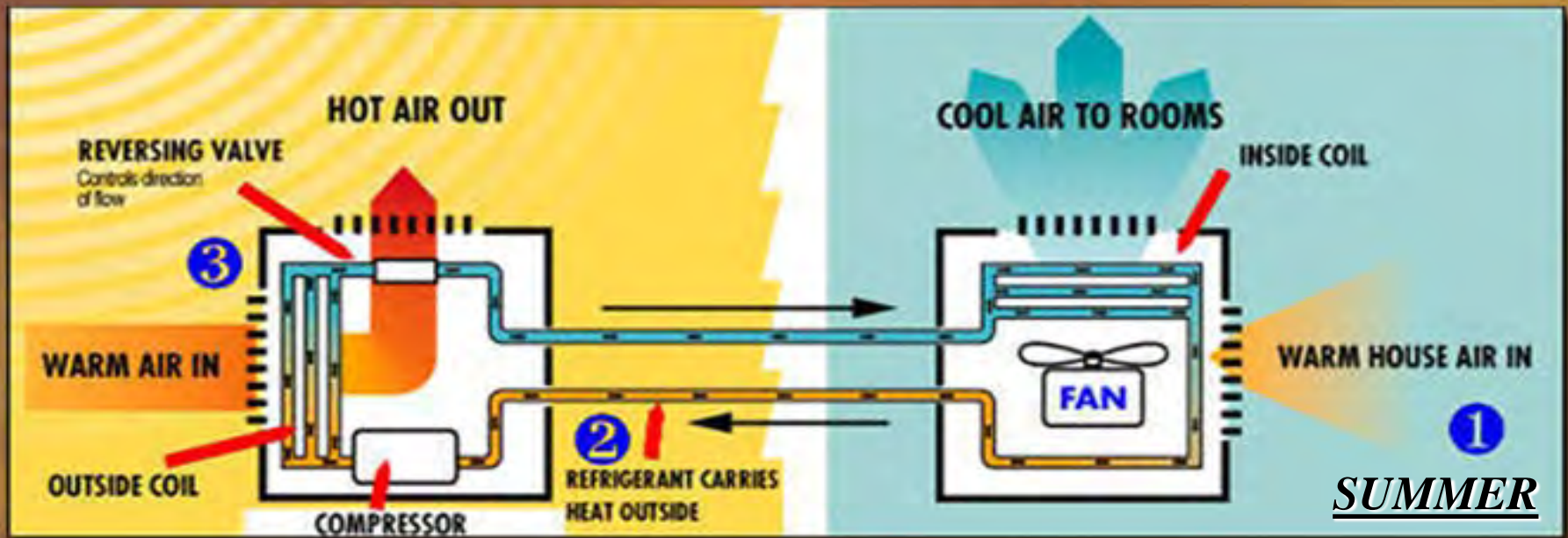
(410A Refrigerant)



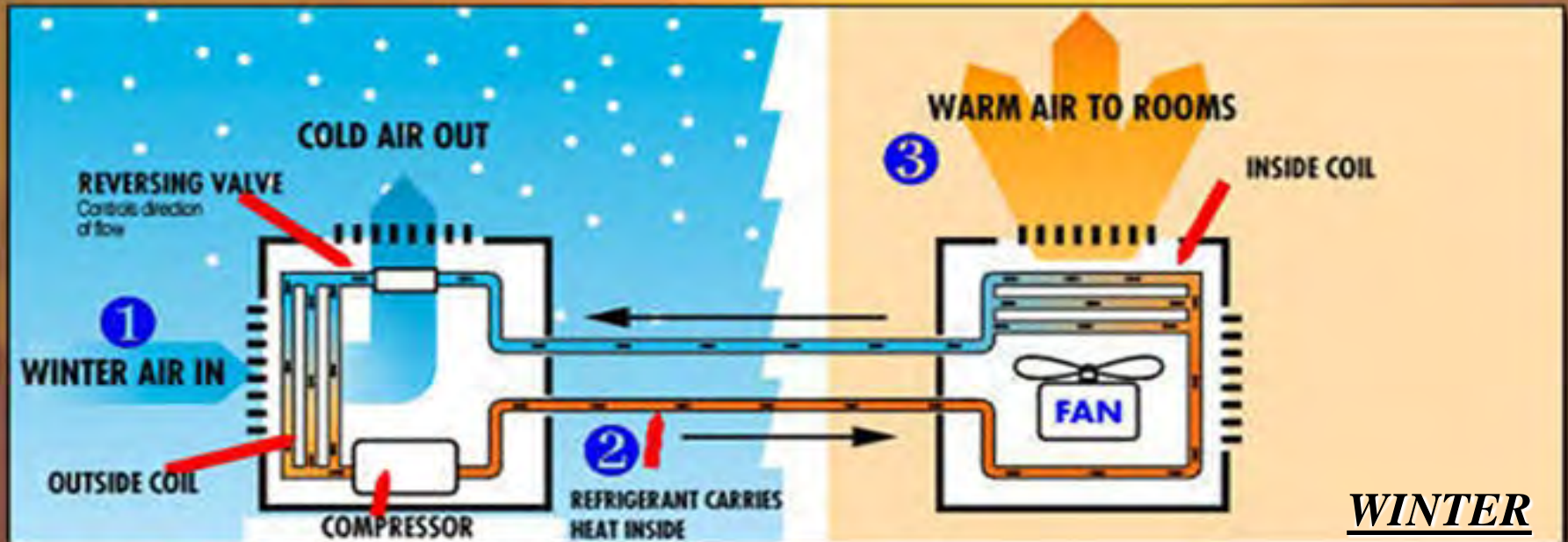
15 SEER, (Seasonal Energy Efficiency Rating),
minimum government mandate.

Products from 15-19 SEER

5 year limited warranty on entire unit. Base model.
10 year limited warranty on the compressor, 5 year limited warranty on all other models.

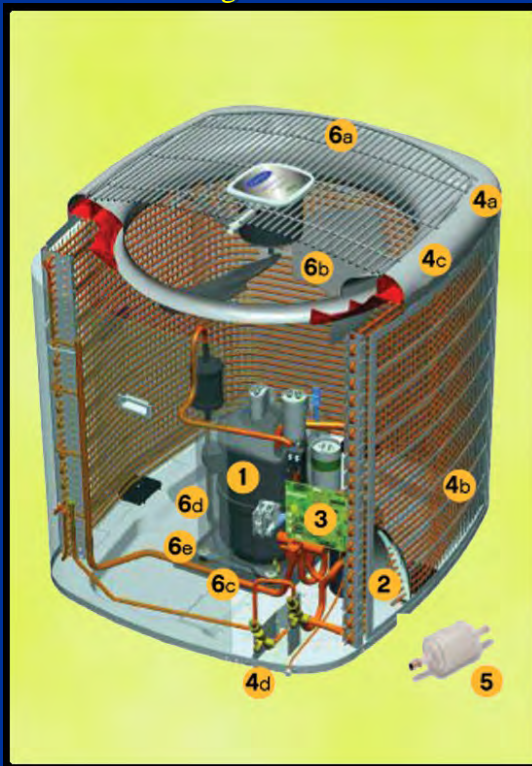


How a Heat Pump Works...



Heat Pump with Puron Refrigerant

1. Two-stage compressor
2. Copper Microtube/
aluminum
3. Infinity electronic
circuit board
4. WeatherArmor Ultra
Protection
 - A. Galvanized steel
cabinet
 - B. Louvered steel coil
guard
 - C. Baked-on powder
paint
 - D. Painted, ceramic-
coated screws
5. Filter drier
6. Carrier's exclusive
Silencer System II
 - A. Silencer top
 - B. Integrated fan
motor and forward-swept
fan blade. C. Compressor vibration
isolator plate. D. Sound hood. E. Split-post compressor
grommets.



Air Conditioner with Puron refrigerant

1. Scroll Compressor
2. Infinity electronic
control board
3. Copper micro-
tube/aluminum fin coil
4. Carriers exclusive
SilencerSystem II
 - A. Silencer top
 - B. Integrated fan motor
and forward-swept
fan blade
 - C. Compressor vibration
isolator plate
 - D. Sound hood
 - E. Split-post compressor
grommets
5. High and low-pressure
switches
6. Filter drier
7. WeatherArmor Ultra-
protection package A. Galvanized steel cabinet. B. Louvered coil guard.
C. Baked-on powder paint. D. Painted ceramic-coated screws.



A Complete Heating and Air Conditioning System



Evaporator Coil

1. Insulated Case
2. Rugged, Durable Fiberglass Reinforced Thermoset Polyester (FRTP) base pan on A coils.
3. Enhanced fins and groove tubes.
4. Optional tin plated available.
5. Thermostatic Expansion Valve
6. Cabinet lockouts for UV Lights on the "A" coils.

Highly Efficient Gas Furnaces for the Comfort of Your Family

1. Optional Air Cleaner Cabinet
2. Burner Ignition
3. Two-Stage Gas Valve
- 4.. Two-Speed Inducer
5. Multi-Speed Blower Motor
6. Two Heat Exchangers
7. Sealed Combustion System
8. Patented Control Board



Greater Operational Efficiency

The Annual Fuel Efficiency or AFUE of a system is like gas mileage. The higher the gas mileage or AFUE rating the more efficient the automobile or system is. With energy costs on the rise, A Carrier gas furnace can help your utility costs.

80% to 94% AFUE ratings.

Matching Components Provide
Optimum Efficiency and
Comfort

Lifetime limited warranty on the heat exchanger, 5 year limited warranty on all 90%, or greater, efficient furnaces.
20 year limited lifetime warranty on the heat exchanger, 5 year limited warranty on all other furnaces.

Air Quality Solutions

Humidifier

Proper humidification provides greater comfort, keeping thermostat settings at levels that conserves energy.

Proper humidification can protect fine wood furniture, pianos, cabinets, fabrics and floors.



Air Quality Solutions

Air Purifier

Uses Three Step Process:

- 1. Precision point ionization to charge particles as they purify.*
- 2. A specially designed, continuously charged media captures airborne particles.*
- 3. Exclusive state-of-the-art technology kills captured viruses, bacteria, mold spores and other allergens.*



Air Quality Solutions

Digital Programmable Thermostats

Energy savings up to 33%.
Menu driven programming.
Easy to use.
Precise comfort control.



Why A Tune-UP?

In 1983, the Louisiana Cooperative Extension Service at Louisiana State University teamed up with Gulf States Power to identify what benefits if any were provided by an air conditioning tune-up. A series of homes were heavily instrumented, data was collected over time, tune-ups were performed, and data was collected again. The results of this landmark study were staggering. The researchers found that tune-ups saved energy and restored lost capacity. How much?

Average Monthly Savings From a Tune-Up.....\$32.76

Average Cooling Capacity Restored.....0.79 Tons

The researchers concluded that:

Air conditioning maintenance benefits the consumer by lowering his operational costs, increasing his comfort control capacity and is believed to extend equipment life.

But do homeowners need a tune-up every year? To answer that question, researchers repeated the study a year later, using the same homes from the prior year. They found that 78% of the savings were present. In other words, one year of operation takes a toll on an air conditioner. It may still function adequately, but not nearly as efficient as it should.

***Average Monthly Savings From a Tune-up
After One Year Of Operation.....\$25.60***

Granted these studies were performed years ago. That does not lessen their validity. They continue to be referenced because no one has funded additional research into the residential market. If anything, the study understates the savings potential from a tune-up. Adjusting for inflation, the monthly savings from the first study would be greater today. The savings from a tune-up after one year of operation would also be greater. In addition, today's air conditioners with greater efficiency levels, are more likely to need maintenance, due to changes in coil design (thinner fins, more surface area, thinner tubing, rifled tubing etc), changes in refrigerant and so on. For homeowners, the bottom line is that given the low cost of a tune-up, the energy savings and restored capacity...

Tune-Ups Are Free!!!



"Excellent furnace install. Timely. Techs were polite and knowledgeable. Salesperson very easy to work with. Communication throughout process was excellent. I have been a customer over 20 years using their maintenance plan. Very reliable company."

Kathy L

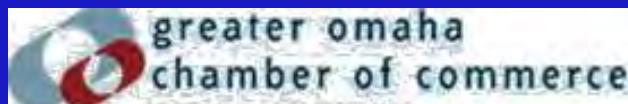
"Had furnace trouble and they sent someone out right away. They were friendly and knew what they were doing. They fixed what was causing the trouble and ordered what we needed after explaining and giving us the price. Would suggest this company to anyone. Great company!!"

Ed W.

"Easy to schedule. I was called when technician on way. Efficient service performed properly he went over all services done with me. Excellent service."
CJS C.

"Consistently good! I have used Standard Heating & Air Conditioning for many years now. They have replaced my furnaces and a/c units. Their staff is very professional and knowledgeable....from the reception and schedulers to the technicians. I have never felt pressured to upgrade or purchase something that is not needed. In these times I feel these are rare qualities. Their prices I believe are fair and their employees enjoy working for this company which says a lot to me! If we have a service issue their response time has been good. I have only good things to say about this company."

Teri H.



Call Today

(402) 339-6700