



HOMEOWNER'S GUIDE
**CONVERTING TO
REFRIGERATED
AIR CONDITIONING**



CONVERTING TO **REFRIGERATED AIR**

This guide will give you all the information you need to know about converting to refrigerated air conditioning.

Converting to refrigerated air is a big decision. TLC has created this guide to answer some of the most common questions homeowners have when deciding to replace their swamp coolers. Replacing your swamp coolers with central air conditioning requires adding refrigeration lines and likely upgrading and modifying your furnace to convert it to an air handler to both heat and cool your home. Often times your electrical system may need to be updated too so that it can handle the added electrical load to run the air conditioner.

This guide outlines all of those questions so that you can make the right decision for your home, whether you're considering converting now, months from now or years from now. We hope you find this guide informative and helpful as you explore an ac conversion.

If you would like to learn more or have any other questions please don't hesitate to call our office and speak to your HVAC professionals.



COST TO CONVERT TO REFRIGERATED AIR

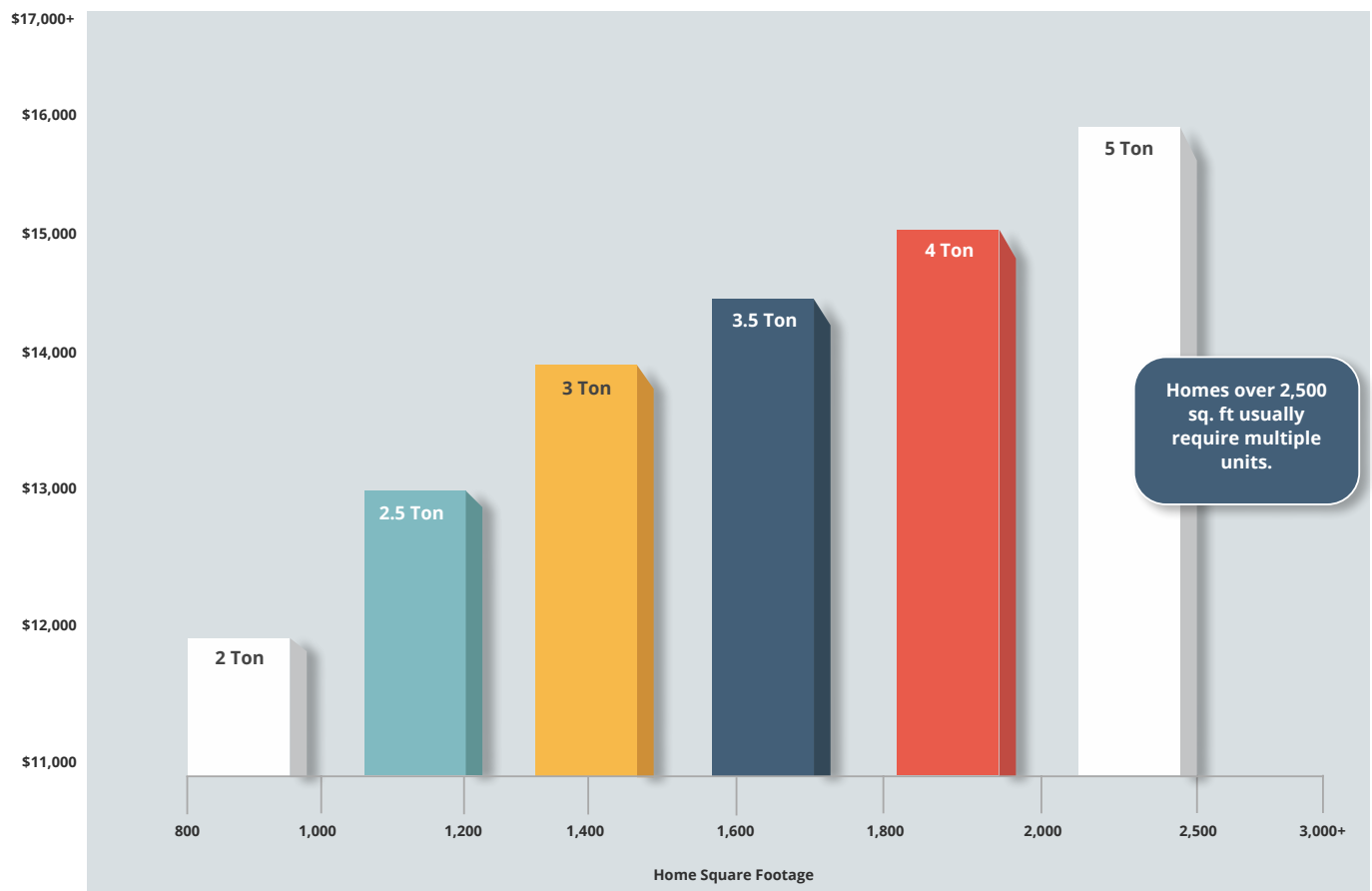
One of the first questions many have is how much does it cost? This is the best place to start to see if refrigerated air is right for you.

There are many factors when it comes to converting to refrigerated air conditioning. This guide is designed to give you the information needed to help you navigate through this process and make the best decision for your home. This information is just a starting point to begin to evaluate your cooling needs. While we cannot give you an exact accurate estimate without evaluating your current heating and cooling system, we can give you a ballpark range of costs based on your home's square footage.

Cost Conversion Estimate:

This chart is designed to give you a ballpark of what the cost will run. This is for informational purposes only.

This is NOT an accurate estimate.



Things that impact cost:



Ductwork

During our estimate we will evaluate your existing ductwork to see if it can handle the demand of a refrigerated air system.



Electrical Upgrades

Often when adding air conditioning, your home's electrical system will need to be upgraded to support the electrical load needed.



Heating System

In many cases your furnace(s) will need to be upgraded to support the energy requirements for the new air conditioning system.

Other things to consider are the efficiency of the unit you choose to replace your swamp cooler with. Air conditioners and furnaces are available in a range of efficiency options. The higher the efficiency the more the upfront installation cost will be. However, you will have savings over time with your energy bills. Learn more about energy costs on the next page.

ENERGY COSTS

Energy cost increase is one of the most common questions when it comes to air conditioning systems.

In most cases your energy bill will go up because you will use more electricity with central air conditioning. However, your water bill will usually go down when you convert. In most cases what you spent in water you will likely spend in electricity. The chart on the right show common home energy costs.

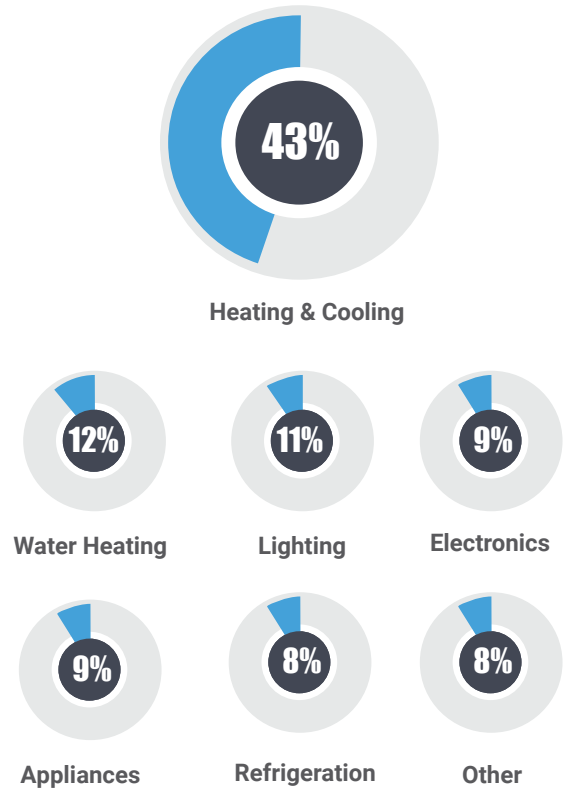
There are a range of energy efficient air conditioning systems available to reduce the impact of your energy costs. However, high efficiency ac systems have a higher installation cost but may be beneficial overtime with the reduced energy costs.

1 Size & SEER - Unit should be properly sized and the minimum SEER rating is 15 and go as high as 20 for split systems.

2 Heating & Cooling - To maximize efficiency your heating system will need to be upgraded to match efficiency ratings.

3 Ductwork - Ductwork modifications may be necessary. Without proper airflow your ac will run for longer periods increasing costs.

A typical single family home has an annual energy bill of about \$2,000. Here's how that breaks down based on usage.



20 SEER	Highest Energy Efficiency Rating	\$\$\$\$
17 SEER		\$\$\$
16 SEER		\$\$
15 SEER	Lowest Energy Efficiency Rating	\$

What is SEER?

SEER represents the Seasonal Energy Efficiency Rating of air conditioners. SEER ranges from 15 - 20 for central ac units. The higher the SEER the higher the energy efficiency of the air conditioner.

TYPES OF AIR CONDITIONERS

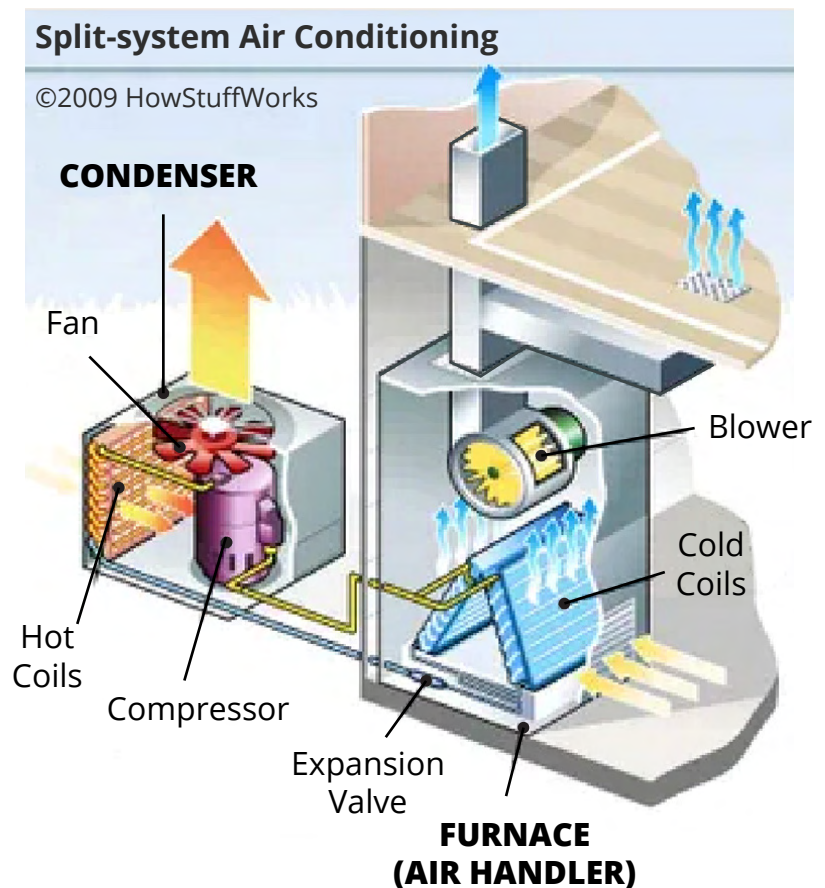
There are 3 different types of air conditioning systems. Two of these types of air conditioners can be added to your home.

Understanding the type of air conditioners available for your home is important when you consider converting. There are basically 3 types of air conditioners, split systems, package units, and mini split ductless systems. If you want to add air conditioning to your home and you have a central heating system you can add a split system or mini split systems, a package unit can only be installed when the home is built and designed for central heating & cooling. Since most homes in New Mexico were designed with evaporative cooling until the early 2000s these are the options available to convert.

Split Systems

Split systems use the furnace as an air handler to distribute the air throughout the duct system to cool the home. This is the most common way to convert to air conditioning.

An outdoor condenser replaces the swamp cooler outside the home and the heating system is upgraded with coils to support air conditioning.



Ductless Mini Split Systems

Ductless wall mounted air conditioners are typically called mini split systems. These systems cool specific rooms and/or zones throughout the home. They can be installed throughout the home or in specific areas. These systems are the most energy efficient type of air conditioner. An outdoor unit is installed for each zone and indoor a wall mounted unit is installed in each area of the home.

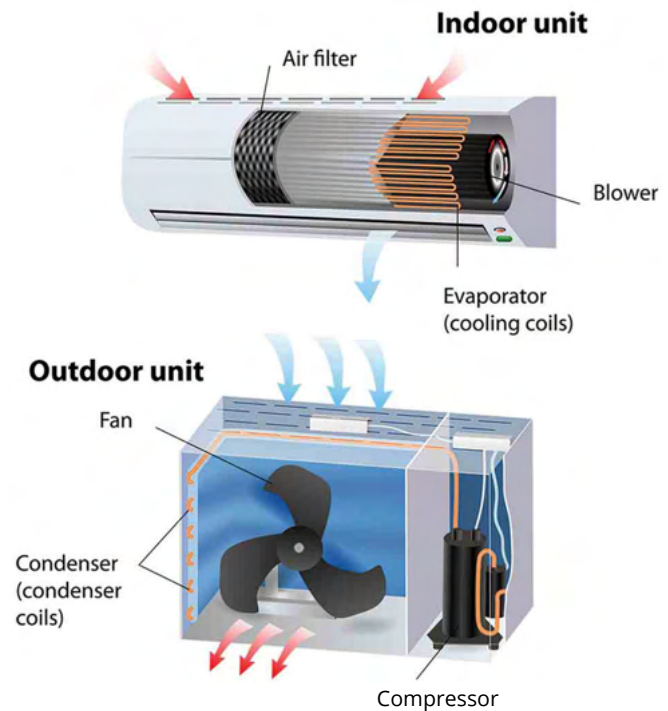


Photo Courtesy of LearnMetrics.com

Package Unit

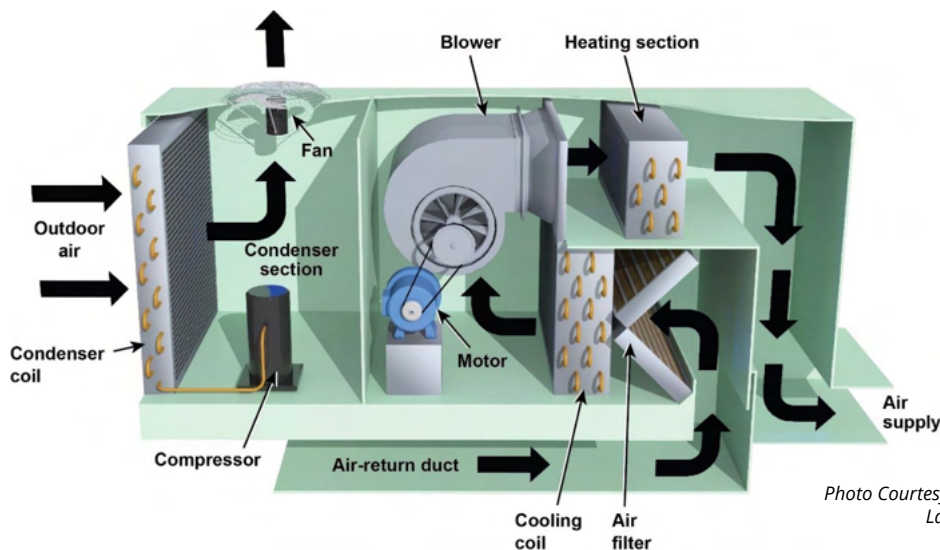


Photo Courtesy of Pacific Northwest National Laboratory pnnl.gov

A package unit is a combined heating and cooling system. It has both the condenser and air handler contained within one unit. These units are installed when the house is built. TLC can sometimes convert to a package unit but only under certain circumstances. These systems are popular with homes with radiant heat or homes that don't currently have a furnace.

TLC Heating & Cooling Systems

TLC has teamed up with International Comfort Products (ICP), the world's largest manufacturer of heating and cooling products, to develop a line of TLC brand heating and cooling products. TLC is an elite dealer of ICP products and this partnership allows TLC to provide our customers with better options, extended warranties and the best pricing available.

✔ High Quality Systems

We partnered with the world's largest heating and cooling manufacturer to bring you high quality, dependable systems that will keep your home comfortable for years to come.

✔ Options For Every Budget

TLC has a range systems that meet your needs and your budget. You can feel confident in choosing TLC for your furnace replacement.

✔ Excellent Warranties

TLC is so confident in the quality of our HVAC systems that we offer a no hassle replacement warranty on many of our furnaces and air conditioners. Replacement warranties vary from 5 to 12 years based on the type of units.



TYPES OF **SWAMP COOLERS**

There are 3 different types of air conditioning systems. Two of these types of air conditioners can be added to your home.

Breezair Swamp Coolers

Breezair coolers are unlike any swamp cooler available. These coolers can cool as well as refrigerated air conditioners. They offer the highest cooling capacity of any evaporative cooler available on the market. Breezair is the best alternative to converting to refrigerated air.

Breezair coolers can only be installed in homes with existing downdraft swamp coolers. Unfortunately they can not replace side draft coolers.



Breezair Features:



Variable Speed Motor

Offers a variable fan speeds for more temperature control options. Breezair offers 10 different speed options to maximize your comfort levels.



Uses Less Electricity

Breezair swamp coolers use up to 90% less electricity than refrigerated air conditioning and up to 40% less than standard swamp coolers.



Uses Less Water

Uses approximately 16,000 gallons of water a year. That's approximately 1,000 gallons less than standard evaporative coolers.

Convair Coolers

Convair coolers are a step up from standard swamp coolers at an affordable price. They are efficient, corrosion-resistant, and use Chillcel pad technology to keep your home cool. Increase your comfort without converting to refrigerated air conditioning.

Convair Features:

✔ **Uses Chillcel Pads** - These pads are specifically designed to keep your home cooler.

✔ **Lightweight and non-corroding** - won't rust or corrode like standard coolers.

✔ **Compatible with existing controls** - Convair connects directly to your existing swamp cooler controls.



Aerocool/Mastercool Coolers

Aerocool/Mastercool evaporative coolers can typically provide greater cooling capacity than standard swamp coolers. Aerocool/Mastercool cooler's use different types of pads that absorb water better than standard coolers that use pads that have to be replaced each year.



✔ Cooling Capacity

These coolers typically cool better than standard coolers, sometimes as much as 15 degrees difference. They cool better because of their unique design. With only one pad they can hold more water.

✔ Energy Efficient Coolers

Mastercools tend to be more energy-efficient than standard coolers because of their cooling abilities and unique media. The unique design allows for more water to be absorbed and retained than other pads.

FINANCING OPTIONS

TLC offers affordable and flexible ways to convert your home to refrigerated air conditioning or upgrade or replace equipment in your home.

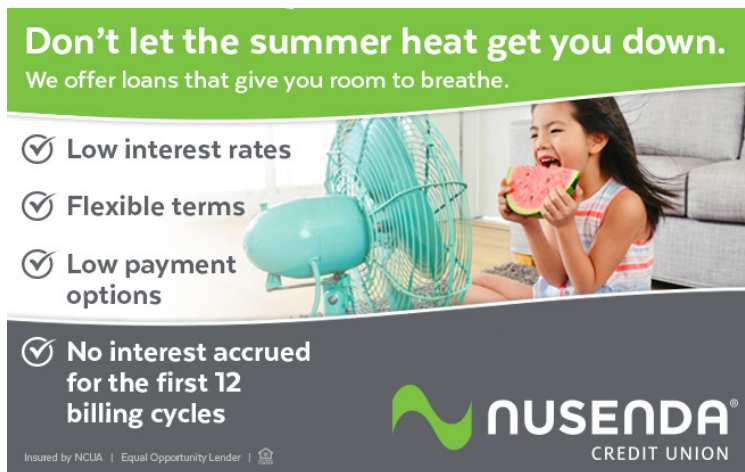
TLC has partnered with Nusenda Credit Union, to provide our customers with special low-interest financing for refrigerated air conversions and other home system upgrades and repairs. This exclusive offer is available for TLC customers only.

TLC works directly with Nusenda to make financing easy. You don't have to be a Nusenda member to get approved.

For more information you can contact Nusenda directly or apply online on our website.

Nusenda Credit Union


Merchant Lending Department
(505) 889-5113
merchantlending@nusenda.org



Don't let the summer heat get you down.
We offer loans that give you room to breathe.

- ✓ Low interest rates
- ✓ Flexible terms
- ✓ Low payment options
- ✓ No interest accrued for the first 12 billing cycles

NUSENDA
CREDIT UNION

Insured by NCUA | Equal Opportunity Lender | 



SERVICE FINANCE COMPANY, LLC

TLC also offers financing with Service Financing Company, LLC. We have added this as a second option for customers who would like to finance their ac conversion or other home repairs. This option is based on approved credit only. You can apply on our website or call our office to speak with our financing specialists about either of these options.

- ✓ Low Interest Options
- ✓ Deferred Payment Option
- ✓ Easy Approval



WHY CHOOSE US?

TLC is the leading HVAC Company in New Mexico. We offer unbeatable service and support when you choose TLC.

- ✓ Professional Installation
- ✓ Easy Financing
- ✓ Outstanding Warranty
- ✓ Unparalleled Support

When you choose TLC for your refrigerated air conversion you get a company that stands behind our craftsmanship and work for over 35 years. We're not just a company that will install and leave you when you need service or maintenance on your new system. We'll be here every step of the way with you from your estimate through the life of your new HVAC system. You can rest assured that your installation will be done by professional, knowledgeable technicians. We offer an unbeatable warranty on our work and will stand behind our work with a 100% satisfaction guarantee.

You're making an investment in your home and your comfort and our job is to ensure that your new heating and cooling system brings you that comfort and peace of mind. You're not just getting a new HVAC system you're getting a TLC system and that makes you a part of our TLC family.



THANK YOU

FOR DOWNLOADING OUR GUIDE

We hope you find this guide helpful in making a decision in your home's heating and cooling system. TLC is here for you throughout this process so if you have any questions please don't hesitate to reach out to our team. We know converting to refrigerated air is a big decision and we're here to guide you. If you're ready to schedule a Free No-Obligation Estimate please schedule below or call our office.

CONTACT US:

Call our office today

Albuquerque
(505) 761-9644

Santa Fe
(505) 471-0119

[Schedule Free Estimate](#)

