

2007 Central Air Conditioner and Heat Pump Price Report

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<http://www.FurnaceCompare.com>

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I. Introduction

The US federal government estimates that a central air conditioners purchased today will last for an average of 19 years. That means that unless you have bad luck, or you buy and upgrade several houses, you probably don't have much experience buying a central air conditioner. Moreover, since you probably won't buy a central air conditioner for another two decades, you don't have much of an incentive to pour hours and hours into researching the purchase that you're considering now.

On the flip side, however, a central air conditioner represents a large upfront expenditure of money -- generally ranging (installed) from \$4,000 - \$8,000 or more. HVAC (Heating, Ventilation and Air Conditioner) manufacturers do not publicize a Manufacturers' Suggested Retail Price (MSRP), which may leave you wondering what the actual cost of your air conditioner is! Furthermore, the ongoing costs of cooling a house can dwarf the initial expense -- especially if you purchase a model that is inappropriate for your house or the seasons in the area in which you live.

These questions can combine to make purchasing a new central air conditioner a stressful and unpleasant process. This report is intended to ease that process. In particular, it will help you answer the following questions:

- What determines the cost of a central air conditioner?
- How much would I pay for an air conditioning unit if I were to purchase it myself?
- Do the economics of my situation support buying a high efficiency air conditioner?
- Which brands of air conditioner offer the best warranties?
- What different roles can HVAC contractors play -- from full-service to limited-service?

Most importantly, this report will give you up-to-date information to help you chart a path through the confusing process of purchasing and installing a new central air conditioner. And, when you finish that process, it will give you peace of mind to know that you paid a fair price to safely and efficiently keep your home comfortable.

One final note: Installing a central air conditioner should only be done by a pro -- an HVAC contractor with a valid license.

II. Methodology

This study examines the price of 401 central air conditioners, collected in the spring of 2007. The prices were taken from 11 different direct-to-consumer vendors who published their prices online. As such, you can expect that these prices are similar to (and probably even somewhat higher than) the prices an HVAC contractor would pay purchasing the same equipment from a wholesaler. The prices exclude shipping costs, as well as any equipment or miscellaneous supplies needed for installation. And, of course, the prices do not include the labor cost of installation itself. All prices are in \$US.

Although FurnaceCompare cannot recommend an online HVAC vendor, you can find them by searching for "air conditioning" under eBay Stores (<http://stores.ebay.com/>) or by submitting a query such as "buy central air conditioner" to Google (<http://www.google.com>) or another search engine.

This paper includes central air conditioners from the following 20 brands:

- Aire flo
- Amana
- Amcoraire
- Daikin
- Fedders unitary products
- Gibson
- Goodman
- Haier
- Heat controller
- Heil
- LG
- Mitsubishi electronics
- Payne
- Rheem
- Ruud
- Samsung
- Tempstar
- Unionaire
- Westinghouse
- York

III. What affects the price of a central air conditioner?

The prices for central air conditioners in our survey ranged from a low of \$499.00 to a high of \$3914.00. The prices for heat pumps ranged from a low of \$925.00 to a high of \$4895.95. This dramatic range can be explained by a number of factors, and understanding those factors will help you make a more informed decision about your new air conditioner.

Configuration

Air conditioners are sold as either split systems or packaged systems. A split system typically separates or "splits" the louder condensing unit outside, and the quieter evaporative coil inside. A packaged unit joins the two parts into a single outdoor unit. The US Department of Energy estimates that approximately 65% of the air conditioners and heat pumps sold today are split-systems. (source: <http://www.epa.gov/fedrgstr/EPA-IMPACT/2002/May/Day-23/i12680.htm>) And the percentage is substantially higher when you only include

residential air conditioners in the mix. The majority of air conditioners in our survey are split systems, but we included several package systems as well.

However, even within split-systems there are a number of options: you can buy the outdoor condenser unit by itself; a condenser plus the evaporator coil (and use the air handler in your warm air furnace to distribute the cool air); you can also add an air handler and / or an electric heater to this mix. Finally, you can buy a heat pump which will heat your home in the winter, and cool it in the summer.

If you purchase a split system, you should know that you need to match the outdoor condenser unit and the indoor coil to ensure that the unit works at full efficiency and to avoid over-stressing the non-matched unit. This is why many online HVAC vendors sell air conditioning "systems" rather than just the condensing unit or just the evaporative coil. If you are purchasing a partial system, make sure to confirm with your HVAC contractor that the components will work together.

Unit Size (Capacity)

Before you select a central air conditioner it is important to have an HVAC Contractor perform a load calculation on your house, to determine how much capacity your air conditioner needs to provide. Capacity is typically measured either in BTUs per hour (BTUH) or tons. A 1-ton air conditioner provides roughly the cooling power of a ton of ice. One ton is roughly equivalent to 12,000 BTUHs.

If you install an air conditioner which is too large, it will cycle on and off too often, substantially reducing the efficiency of the system. If you install one that is too small, your air conditioner may not be able to meet the demands of a hot, humid day.

The industry standard load (or heat loss) calculation is called the Manual J calculation. It takes into account the size of your house, the amount of insulation installed, the square footage, and a host of other factors. Be very wary of an HVAC contractor who sizes your house using rules of thumb or by simply matching the size of your current system. If you want to get a rough sense of size of the air conditioner you need to buy, FurnaceCompare.com provides a free a load estimation tool (http://www.furnacecompare.com/perl/estimate_heat_loss.pl) -- but please use this only as an initial measure -- be sure to have an HVAC contractor perform a full Manual J load calculation!

Efficiency

HVAC manufacturers improve the efficiency of their air conditioners and heat pumps through the use of several different components, including the following:

- Larger coils that offer more efficient heat transfer
- Variable speed fans and motors that can vary their cooling capacity to match the needs of your house. When your house needs minimal cooling, variable speed systems can save electricity by running at low speeds. (This can also make your air conditioner considerably quieter.)
- A Thermal (or thermostatic) expansion valve (TXV) which optimizes the flow of refrigerant through the system.
- Highly efficient scroll compressors.

These components cost more, increasing the cost of more efficient air conditioners. As mentioned later in this report, HVAC manufacturers in the US were no longer allowed to manufacture SEER 10 and SEER 12 air conditioners beginning in January 2006. However, it is legal to sell SEER 10 and 12 units, as long as they were manufactured before January 2006. According to our data, SEER 10 air conditioning units sold in the Spring of 2007, sell on average for about 2/3rds of the cost of a SEER 13 unit.

Refrigerant

Most central air conditioners use a refrigerant called R-22 (commonly known by the trademarked term "Freon"). The US government is phasing out the manufacture of R-22 over the next 15 years, and it will not be manufactured after 2020. A new refrigerant called R-410A (trademarked by several companies under names such as Puron, GENETRON AZ-20 and SUVA 410A) is beginning to appear in higher end central air conditioners. In Europe other R-22 alternatives are often used, including R-134a and R-407C.

While R-410A is unquestionably better for the environment, your central air conditioner won't perform any better as a result of the refrigerant that it uses. (Some analysts suggest, however that the cost of Freon is likely to rise over the next couple of decades as companies are required to phase out Freon production.)

In the United States, the Clean Air Act forbids any refrigerant from being released into the atmosphere "during installation, service, or retirement of equipment." (source: <http://www.epa.gov/ozone/title6/phaseout/22phaseout.html>) Your HVAC contractor should have both a state license to handle refrigerants and an EPA certification (often called a "Section 608 certification").

Warranties

First, a word of caution on warranties. Online vendors typically do not provide their own warranties on air conditioners and heat pumps. (Although at least one of the vendors in our survey has begun to offer a "2 year extended labor agreement" that is independent of, and in addition to, the manufacturers' warranty.) Rather, they pass along the manufacturers' warranty. While compiling information for this report, we found vendors that quoted different manufacturers' warranty terms for the same units. Make sure you get confirmation in writing about the unit's warranty.

A second warning is that at least one manufacturer (Goodman) claims that buying HVAC equipment over the internet voids the customer's warranty. When we spoke with vendors about this, they pointed out that if you complete the sale over the phone, you have not technically purchased the equipment over the internet, and therefore have not voided the warranty. Most manufacturers will respect the warranty as long as you purchase your equipment through a licensed distributor -- so be sure to check whether your vendor is a licensed distributor for the products that they sell.

Manufacturers typically offer a more generous warranty on the air conditioner's compressor than on the remainder of its parts. The most generous compressor warranty in our survey is a limited lifetime warranty found on several high-end Goodman units. These units also offer a 10-year limited parts warranty.

The most common warranties in our sample of central air conditioners and heat pumps seem to be a 5-year limited parts warranty and a 5-year limited warranty on the compressor.

IV. Does it make sense to buy a high-efficiency central air conditioner?

Homeowners may have many reasons for buying a high-efficiency unit. They may, for example, purchase these more expensive units for environmental reasons. However, this section provides a method calculating the annual operating costs of different air conditioners. Once you know how much each unit costs to operate per year, it is straightforward to calculate how long it will take to pay off the more expensive unit in energy savings.

You will need to begin by gathering the following information:

- The size (capacity) of the cooling equipment that you need (in BTUH). As mentioned earlier in this

report, FurnaceCompare.com provides a free heating load calculator (http://www.furnacecompare.com/perl/estimate_heat_loss.pl). However, you should only use this calculator as a very rough approximation of your heating load. Ask your HVAC contractor to perform a manual J calculation.

- The normal cooling load hours for your part of the country. If your contractor doesn't know your regional cooling load hours, you can find a map of the US with associated hours here: <http://www.hvacmechanic.com/energy/hv-a7a.gif>.
- Your electric rate per kilowatt hour: you can get this information from your electric bill or by calling your electric utility.
- The SEER of the unit you are considering. You can get this information from this report, from FurnaceCompare.com, or from your HVAC contractor.

You can now plug this information into the following formula:

$$\frac{\text{Capacity (Btuh) Cooling Load Hour}}{\text{SEER 1000}} \times \text{Electric Rate} = \text{Annual Operating Cost}$$

So, suppose that you had gathered the following information:

- Capacity: 30,000 BTUH
- Load Hours: 1500
- Electric rate: \$.085 kilowatt hour
- SEER: 14

This would give you:

$$\frac{30,000 \times 1500}{14 \times 1000} \times \$0.085 = 2143 \times 1.5 \times \$0.85 = \$273 / \text{year}$$

Thus, a 30,000 BTUH 14 SEER air conditioner running 1500 hours per year at \$.085 per kilowatt hour would cost about \$273 a year to operate.

Now that you have all of the basic information, it is easy to compare the 14 SEER model to a 10 SEER model. A 10 SEER model in this same scenario would cost \$382.50 per year to operate.

Now, you can calculate the simple payback for a 14 SEER vs. a 10 SEER. Suppose that the 10 SEER unit costs \$2000 installed, and the 14 SEER unit costs \$2600 installed. You can calculate the simple payback period as follows:

$$\frac{\text{High efficiency AC cost} - \text{Low efficiency AC cost}}{\text{Low eff op cost} - \text{High eff op cost}} = \frac{\$2600 - \$2000}{\$382.50 - \$273} = 5.5 \text{ years}$$

In the previous example, the payback period for purchasing a 14 SEER air conditioner instead of a 10 SEER air conditioner based on the energy savings alone was about 5.5 years.

Another common scenario is that you may be comparing a new air conditioner to keeping your current air conditioner. The technique is the same, but if you don't know the SEER of your current air conditioner you can use the following chart to get an estimate:

Year Produced	Air Conditioners	Heat Pump
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	Average SEER	Average SEER
1981	7.78	7.51
1987	8.97	8.93
1994	10.61	10.94

(source: ARI.org)

Now, your mileage may vary with this calculation. The estimate of annual operating cost is strongly influenced by the number of hours per year that you run your air conditioner. Furthermore, there are many other factors that could be considered: Can you get a rebate for a high efficiency air conditioner? What about the opportunity cost of the additional \$600 that you would spend on the more efficient unit? Perhaps you should figure an interest rate into the mix. These are all valid questions, but you can begin to see the time period over which you will see benefits from investing in a more efficient air conditioner.

V. How Important is the Brand?

It can be slightly misleading to talk about differences between different brands of HVAC products, as there are substantially more brands than there are manufacturers. Rheem and Ruud, for example, are literally identical products that are simply marketed under different brand names in different parts of the country. Goodman markets equipment under the brand names Amana, Goodman, Janitrol and GmC. Ducane is owned by Lennox. The Gibson trademark is licensed by Nordyne, which also markets the Tappan brand. Payne is owned by Carrier, which also owns Tempstar. The resulting alphabet soup of brands has emerged because brands hold value independent from their underlying products. Some brands developed a reputation for quality decades ago, and have been sold and licensed to companies that can charge more for their products by virtue of adding a reputable brand name. (Although, one might argue that the value of a brand name would get diluted over time if the quality of the underlying product declined. This may give brand owners strong incentive to maintain the association between a brand and quality.)

So, if someone tells you that one brand is better than another brand, make sure that the two units actually differ in a way that matters -- that it is composed of superior components, that one is better sized, or that one is more appropriate for your particular situation.

VI. Tips on Where and How to Buy a Central Air Conditioner

Most HVAC manufacturers and wholesalers will not sell central air conditioners directly to consumers -- they will only sell to licensed HVAC professionals. Here are three commonly-used alternatives:

Hire a licensed HVAC Contractor to handle the entire project

The traditional route to buying a new central air conditioner is to hire an HVAC contractor from your Yellow Pages, from a referral, or from a service such as FurnaceCompare's "Find a Contractor" service (http://www.furnacecompare.com/perl/hvac_referral.pl). There are several advantages to this approach:

- Your contractor can accurately estimate the capacity of air conditioner that you need with a load (or heat loss) calculation.

- Your contractor can make recommendations about your ventilation and install additional ductwork if needed.
- It is not safe to install a central air conditioner yourself -- you will need an HVAC contractor to install your equipment whether or not the contractor purchases it for you.
- At least one HVAC manufacturer (Goodman) invalidates the warranty of all air conditioners bought over the internet.

The major disadvantage to this approach is that you have less control. Your contractor may only service a particular brand of equipment. They may also mark up the cost of the equipment substantially. At a minimum, be sure to get quotes from several different contractors before making a selection.

Purchase your air conditioner from a Direct-To-Consumer company

Quite a few companies have sprung up in the past several years that will sell HVAC equipment directly to consumers. Several other vendors operate through eBay (www.ebay.com). The advantage of using a direct-to-consumer company is that you can choose from a variety of brands (although many brands are not yet sold this way), and there is no confusion about whether you are paying a mark-up on the cost of the equipment.

The disadvantage to this approach is that you will need to spend some time doing the legwork that a full-service contractor could do for you instead. You will need to learn the basics of the HVAC industry, and you will need to find a contractor willing to install the equipment that you buy.

Although the disadvantages are non-trivial, the cost savings can be non-trivial as well.

Request a referral from a National Retailer

Although this is simply a variant of the first approach, large national retailers such as Home Depot and Sears have in-house contractors that will handle the entire process of purchasing a new central air conditioner. The advantage of this approach is that these large retailers often have systematic customer satisfaction policies that make it likely that you will be happy with the service you receive.

On the flip side, a small local contractor can offer the same or better service -- as long as you are careful in researching the contractor before you choose them.

Each method has its own advantages and disadvantages. The tradeoffs are largely tradeoffs of money versus time. Remember, however, that having a good relationship with a reputable contractor can be worth its weight in gold. No matter which route you take, make sure that you take the time to research the contractor you will be working with and read the fine print in any contracts.

Changes in US federal law relating to AC efficiency

The US Department of Energy ruled in 2001 that HVAC manufacturers can no longer produce cooling equipment (specifically central air conditioners and heat pumps) with a SEER of less than 13 beginning Jan. 23, 2006. (Note, this does not affect units with a larger-than-residential capacity of 65,000 BTUhs. (Units with a SEER of 22 are currently available on the market.) Note, however, that manufacturers can still sell air conditioners with a SEER of 10-12 after January 2006 -- as long as those units were manufactured before that date. These regulations do not affect window-mount air conditioners.

The EPA estimates that the new 13 SEER central air conditioners will cost consumers about \$213 dollars more (installed) than a 10 SEER air conditioner. However, they will provide an average of \$31 per year in

the homeowner's electricity bill. This means that the increase in cost would be paid for in about 7 years just from the electricity bill alone. A new heat pump is expected to cost about \$144 more than the less-efficient alternative and to save the homeowner \$50 a year on their electric bill. This provides the heat-pump buyer with a payoff period of less than 3 years. On a macro level, the DOE estimates some very impressive benefits from this mandated increase in efficiency: "In total, DOE estimates this standard will have a net benefit to the nation's consumers of \$2 billion over the period 2006 through 2030." (<http://www.epa.gov/fedrgstr/EPA-IMPACT/2002/May/Day-23/i12680.htm>)

Jack Sinkler, Vice-President of Marketing for Rheem Air Conditioning expects HVAC distributors to "begin depleting inventory of 10 and 12 SEER models in preparation for the 13-SEER legislative mandate" in the last 4-6 months of 2005. (<http://www.appliancemagazine.com/editorial.php?article=702>)

VII. List of Models and Prices

Aire flo (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
2AC13B18	LSM2422F-S002	19,500 (1.5)	13	\$ 1,085.95	5 Year Limited Warranty (5 Year Limited Warranty)
2AC13B24	LSM2423F-S002	24,000 (2)	13	\$ 1,185.95	5 Year Limited Warranty (5 Year Limited Warranty)
2AC13B30	LSM3013E-S002	29,000 (2.5)	13	\$ 1,245.95	5 Year Limited Warranty (5 Year Limited Warranty)
2AC13B36	LSM3623E-S002	34,000 (3)	13	\$ 1,365.95	5 Year Limited Warranty (5 Year Limited Warranty)
2AC13B42	LSM4229BB-S002	41,000 (3.5)	13	\$ 1,835.95	5 Year Limited Warranty (5 Year Limited Warranty)

2AC13B48	LSM4823CC-S002	47,000 (4)	13	\$ 1,905.95	5 Year Limited Warranty (5 Year Limited Warranty)
2AC13B60	LSM6029CC-S002	57,000 (5)	13	\$ 2,095.95	5 Year Limited Warranty (5 Year Limited Warranty)

Aire flo (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
2HP13B18P	RBCS2M18	18,000 (1.5)	13	\$ 1,598.00	5 Year Limited Warranty (5 Year Limited Warranty)
2HP13B24P	RBCS2M24	24,000 (2)	13	\$ 1,678.00	5 Year Limited Warranty (5 Year Limited Warranty)
2HP13B30P	RBCS2M30	30,000 (2.5)	13	\$ 1,971.00	5 Year Limited Warranty (5 Year Limited Warranty)
2HP13B36P	RBCS2M36	36,000 (3)	13	\$ 2,160.00	5 Year Limited Warranty (5 Year Limited Warranty)
2HP13B42P	RBCS2M42	42,000 (3.5)	13	\$ 2,445.00	5 Year Limited Warranty (5 Year Limited Warranty)
2HP13B48P	RBCS2M48	48,000 (4)	13	\$ 2,664.00	5 Year Limited Warranty (5 Year Limited Warranty)
2HP13B60P	RBCS2M60	60,000 (5)	13	\$ 2,820.00	5 Year Limited Warranty (5 Year Limited

Warranty)

Amana (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
GSH130181AA	ARUF182416	18,000 (1.5)	13	\$ 1,510.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130241AA	ARUF182416	24,000 (2)	13	\$ 1,553.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130301AA	ARUF303016	30,000 (2.5)	13	\$ 1,748.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130181AA	AEPF183016	18,000 (1.5)	14	\$ 1,881.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130241AA	AEPF183016	24,000 (2)	14	\$ 1,896.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130361AA	ARUF364216	36,000 (3)	13	\$ 1,961.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130301AA	AEPF183016	30,000 (2.5)	14	\$ 2,023.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130421AA	ARUF364216	42,000 (3.5)	13	\$ 2,041.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130361AA	AEPF303616	36,000 (3)	14	\$ 2,302.00	10 Year Limited Warranty

					(10 Year Limited Warranty)
GSH130481AA	ARUF486016	48,000 (4)	13	\$ 2,326.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130421AA	AEPF426016	42,000 (3.5)	14	\$ 2,489.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130601AA	ARUF486016	60,000 (5)	13	\$ 2,618.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130481AA	AEPF426016	48,000 (4)	14	\$ 2,644.00	10 Year Limited Warranty (10 Year Limited Warranty)
GSH130601AA	AEPF426016	60,000 (5)	13	\$ 2,834.00	10 Year Limited Warranty (10 Year Limited Warranty)

Amcoraire (Condenser, evaporator coil, air handler and electric heaters only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
UCHW-HO9CF2	UCHW-H09AF2	9,000 (0.75)	13	\$ 699.00	5 Year Limited Warranty (3 Year Limited Warranty)
UCHW-H09AF2		9,000 (0.75)	13	\$ 700.00	5 Year Limited Warranty (3 Year Limited Warranty)
		12,000 (1)	13	\$ 799.00	5 Year Limited Warranty (3 Year Limited Warranty)

UCHW-H12CF2	UCHW-H12AF2	12,000 (1)	13	\$ 799.99	Warranty) 5 Year Limited Warranty (3 Year Limited Warranty)
UCHW-H18CF2	UCHW-H18AF2	18,000 (1.5)	13	\$ 999.99	5 Year Limited Warranty (3 Year Limited Warranty)
		18,000 (1.5)	13	\$ 1,000.00	5 Year Limited Warranty (3 Year Limited Warranty)
UCHW-H24CF2	UCHW-H24AF2	24,000 (2)	13	\$ 1,449.99	5 Year Limited Warranty (3 Year Limited Warranty)
		24,000 (2)	13	\$ 1,450.00	5 Year Limited Warranty (3 Year Limited Warranty)

Daikin (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
R35GVALT6	FT35BVM	12,000 (1)	13	\$ 745.95	No Warranty Provided from Mfg. (No Warranty Provided from Mfg.)
R50BVL	FT50BVM	18,000 (1.5)	13	\$ 875.95	No Warranty Provided from Mfg. (No Warranty Provided from Mfg.)
RKE35BVM	FTK35JVE9	12,000 (1)	16	\$ 895.95	No Warranty Provided from Mfg. (No Warranty Provided from Mfg.)
R60BVL	FT60BVM	24,000 (2)	13	\$ 995.95	No Warranty Provided from Mfg.

					(No Warranty Provided from Mfg.)
RXS12DVJU	FTXS12DVJU	12,000 (1)	16	\$ 1,455.95	7 Year Limited Warranty (5 Year Limited Warranty)
RKD50BVM	FTK50BVM	18,000 (1.5)	16	\$ 1,565.95	No Warranty Provided from Mfg. (No Warranty Provided from Mfg.)
RKD60BVM	FTKD60BVM	24,000 (2)	16	\$ 1,795.95	No Warranty Provided from Mfg. (No Warranty Provided from Mfg.)
RKD71BVM	FTKD71BVM	27,300 (2.5)	16	\$ 1,895.95	No Warranty Provided from Mfg. (No Warranty Provided from Mfg.)
RXS18DVJU	FTXS18DVJU	18,000 (1.5)	16	\$ 1,995.95	7 Year Limited Warranty (5 Year Limited Warranty)

Daikin (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
RXS09DVJU	FTXS09DVJU	9,000 (0.75)	16	\$ 1,295.95	7 Year Limited Warranty (5 Year Limited Warranty)
		24,000 (2)	16	\$ 2,425.95	7 Year Limited Warranty (5 Year Limited Warranty)
		18,000 (1.5)	16	\$ 2,955.95	7 Year Limited Warranty (5 Year Limited Warranty)
RZQ24MVJU	FCQ24MVJU	24,000 (2)	13	\$ 4,895.95	6 Year Limited Warranty (1 Year Limited)

Warranty)

Fedders unitary products (Condenser only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
C36ACD1VF	AFPB36A1	36,000 (3)	13	\$ 1,237.00	5 Year Limited Warranty (5 Year Limited Warranty)

Fedders unitary products (Condenser and evaporator coils only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
		24,000 (2)	13	\$ 697.54	5 Year Limited Warranty (5 Year Limited Warranty)
		42,000 (3.5)	13	\$ 825.14	5 Year Limited Warranty (5 Year Limited Warranty)
		36,000 (3)	13	\$ 1,020.84	5 Year Limited Warranty (5 Year Limited Warranty)

Fedders unitary products (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
		36,000 (3)	13	\$ 743.92	5 Year Limited Warranty (5 Year Limited

						Warranty)
						5 Year Limited Warranty (5 Year Limited Warranty)
		48,000 (4)	13	\$ 880.60		
C18ABD1VF	AFPB24*1	18,000 (1.5)	13	\$ 1,175.95		5 Year Limited Warranty (5 Year Limited Warranty)
						5 Year Limited Warranty (5 Year Limited Warranty)
		60,000 (5)	13	\$ 1,178.41		
C24ABD1VF	AFPB24*1	24,000 (2)	13	\$ 1,205.95		5 Year Limited Warranty (5 Year Limited Warranty)
						5 Year Limited Warranty (5 Year Limited Warranty)
C30ABD1VF	AFPB36*1	30,000 (2.5)	13	\$ 1,325.95		5 Year Limited Warranty (5 Year Limited Warranty)
						5 Year Limited Warranty (5 Year Limited Warranty)
C42ACD1VF	AFPC48A1	42,000 (3.5)	13	\$ 1,368.00		5 Year Limited Warranty (5 Year Limited Warranty)
						5 Year Limited Warranty (5 Year Limited Warranty)
C36ABD1VF	AFPB36*1	36,000 (3)	13	\$ 1,395.95		5 Year Limited Warranty (5 Year Limited Warranty)
						5 Year Limited Warranty (5 Year Limited Warranty)
C42ABD1VF	AFPB48*1	42,000 (3.5)	13	\$ 1,675.95		5 Year Limited Warranty (5 Year Limited Warranty)
						5 Year Limited Warranty (5 Year Limited Warranty)
C48ABD1VF	AFPB48*1	48,000 (4)	13	\$ 1,735.95		5 Year Limited Warranty (5 Year Limited Warranty)
						5 Year Limited Warranty (5 Year Limited Warranty)
C60ABD1VF	AFPB60*1	60,000 (5)	13	\$ 2,115.95		5 Year Limited Warranty (5 Year Limited

Warranty)

Fedders unitary products (Condenser, evaporator coil, air handler and electric heaters only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
		42,000 (3.5)	10	\$ 845.72	5 Year Limited Warranty (5 Year Limited Warranty)
	AFPB24B1	24,000 (2)	13	\$ 859.53	5 Year Limited Warranty (5 Year Limited Warranty)
	AFPC48B1	60,000 (5)	13	\$ 1,477.21	5 Year Limited Warranty (5 Year Limited Warranty)

Fedders unitary products (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
CH1236BBD1VF		34,000 (3)	12	\$ 925.00	10 Year Limited Warranty (5 Year Limited Warranty)
CH1242BBD1VF		41,500 (3.5)	12	\$ 1,025.00	10 Year Limited Warranty (5 Year Limited Warranty)
CH1248BBD1VF		45,500 (4)	12	\$ 1,085.00	10 Year Limited Warranty (5 Year Limited Warranty)
CH1060BD1		60,000 (5)	10	\$ 1,197.00	10 Year Limited Warranty

					(5 Year Limited Warranty)
CH1260BBD1VF		54,000 (5)	12	\$ 1,245.00	10 Year Limited Warranty (5 Year Limited Warranty)
CH48ACD1VF	AFPC48B1	48,000 (4)	13	\$ 1,926.00	5 Year Limited Warranty (5 Year Limited Warranty)

Gibson (Condenser, evaporator coil, air handler and electric heaters only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
JS5BD018KA	GB5BVT24KA	18,000 (1.5)	13	\$ 955.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD024KA	GB5BVT25KA	24,000 (2)	13	\$ 995.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD030KA	GB5BVT30KA	30,000 (2.5)	13	\$ 1,115.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD036KA	GB5BVT36KB	36,000 (3)	13	\$ 1,205.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD018KA	GB5VMT25KB	18,000 (1.5)	14	\$ 1,265.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD024KA	GB5VMT25KA	24,000 (2)	14	\$ 1,305.95	5 Year Limited Warranty (5 Year Limited

JS5BD030KA	GB5VMT30KB	30,000 (2.5)	14	\$ 1,345.95	Warranty) 5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD042KA	GB5BVT42KB	42,000 (3.5)	13	\$ 1,375.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD036KA	GB5VMT36KB	36,000 (3)	14	\$ 1,525.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD048KA	GB5BVT49KC	48,000 (4)	13	\$ 1,625.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD042KA	GB5VMT42KB	42,000 (3.5)	14	\$ 1,695.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD060KA	GB5BVT60KC	60,000 (5)	13	\$ 1,795.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD048KA	GB5VMT49KC	48,000 (4)	14	\$ 1,835.95	5 Year Limited Warranty (5 Year Limited Warranty)
JS5BD060KA	GB5VMT60KC	60,000 (5)	14	\$ 1,935.95	5 Year Limited Warranty (5 Year Limited Warranty)

Gibson (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
JT5BD018K	GB5BVT25KA	18,000	13	\$ 1,235.95	5 Year Limited

		(1.5)			Warranty (5 Year Limited Warranty)
JT5BD024K	GB5BVT25KA	24,000 (2)	13	\$ 1,325.95	5 Year Limited Warranty (5 Year Limited Warranty)
JT5BD030K	GB5BVT30KB	30,000 (2.5)	13	\$ 1,535.95	5 Year Limited Warranty (5 Year Limited Warranty)
JT5BD036K	GB5BVT36KB	36,000 (3)	13	\$ 1,685.95	5 Year Limited Warranty (5 Year Limited Warranty)
JT5BD042K	GB5BVT42KC	42,000 (3.5)	13	\$ 1,895.95	5 Year Limited Warranty (5 Year Limited Warranty)
JT5BD048K	GB5BVT49KC	48,000 (4)	13	\$ 2,135.95	5 Year Limited Warranty (5 Year Limited Warranty)
JT5BD060K	GB5BVT60KC	60,000 (5)	13	\$ 2,345.95	5 Year Limited Warranty (5 Year Limited Warranty)

Goodman (Condenser only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
GSC130181A		19,000 (1.5)	13	\$ 695.95	5 Year Limited Warranty (5 Year Limited Warranty)
GSC130601A	ARPF48601A	60,000 (5)	13	\$ 1,815.00	5 Year Limited Warranty (5 Year Limited

Warranty)

Goodman (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
GSC13018	ARUF1824	18,000 (1.5)	13	\$ 1,045.95	5 Year Limited Warranty (5 Year Limited Warranty)
GSC13024	ARUF1824	24,000 (2)	13	\$ 1,095.95	5 Year Limited Warranty (5 Year Limited Warranty)
GSC13030	ARUF3030	30,000 (2.5)	13	\$ 1,165.95	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13036	ARUF03642	36,000 (3)	13	\$ 1,335.95	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13018	AEPF1830	18,000 (1.5)	14	\$ 1,355.95	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13024	AEPF1830	24,000 (2)	14	\$ 1,395.95	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13030	AEPF1830	30,000 (2.5)	14	\$ 1,425.95	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13042	ARUF03642	42,000 (3.5)	13	\$ 1,435.95	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13048	ARUF04860	48,000 (4)	13	\$ 1,655.95	5 Year Limited Warranty

					(5 Year Limited Warranty)
GCS13036	AEPF3036	36,000 (3)	14	\$ 1,655.95	5 Year Limited Warranty (5 Year Limited Warranty)
GSC130241A	ARUF032	24,000 (2)	13	\$ 1,659.00	5 Year Limited Warranty (5 Year Limited Warranty)
GSC130301A	ARUF042	30,000 (2.5)	13	\$ 1,782.00	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13060	ARUF04860	57,000 (5)	13	\$ 1,795.95	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13042	AEPF4260	42,000 (3.5)	14	\$ 1,795.95	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13048	AEPF4260	48,000 (4)	14	\$ 1,895.95	5 Year Limited Warranty (5 Year Limited Warranty)
GCS13060	AEPF4260	57,000 (5)	14	\$ 1,999.95	5 Year Limited Warranty (5 Year Limited Warranty)
GSC130361A	ARUF049	36,000 (3)	13	\$ 2,034.00	5 Year Limited Warranty (5 Year Limited Warranty)
GSC130241A	AEPT030	24,000 (2)	14	\$ 2,116.00	5 Year Limited Warranty (5 Year Limited Warranty)
GSC130301A	AEPT030	30,000	14	\$ 2,159.00	5 Year Limited Warranty

		(2.5)				(5 Year Limited Warranty)
GSC130421A	ARUF049	42,000 (3.5)	13	\$ 2,187.00		5 Year Limited Warranty (5 Year Limited Warranty)
GSC140181A	AEPF1830	18,000 (1.5)	14	\$ 2,213.00		10 Year Limited Warranty (5 Year Limited Warranty)
GSC140241A	AEPF1830	24,000 (2)	15	\$ 2,407.00		10 Year Limited Warranty (5 Year Limited Warranty)
GSC130481A	ARUF061	48,000 (4)	13	\$ 2,421.00		5 Year Limited Warranty (5 Year Limited Warranty)
GSC130361A	AEPT036	36,000 (3)	14	\$ 2,456.00		5 Year Limited Warranty (5 Year Limited Warranty)
GSC130601A	ARUF061	60,000 (5)	13	\$ 2,649.00		5 Year Limited Warranty (5 Year Limited Warranty)
GSC130421A	AEPT060	42,000 (3.5)	14	\$ 2,649.00		5 Year Limited Warranty (5 Year Limited Warranty)
GSC140301A	AEPF3036	30,000 (2.5)	15	\$ 2,649.00		10 Year Limited Warranty (5 Year Limited Warranty)
GSC130481A	AEPT060	48,000 (4)	14	\$ 2,815.00		5 Year Limited Warranty (5 Year Limited Warranty)
SSX160241A	AEPF3036+TXV	24,000 (2)	16	\$ 2,825.00		Lifetime (10 Year Limited)

					Warranty)
GSC140361A	AEPF4260	36,000 (3)	15	\$ 2,912.00	10 Year Limited Warranty (5 Year Limited Warranty)
GSC140421A	AEPF4260	42,000 (3.5)	15	\$ 2,995.00	10 Year Limited Warranty (5 Year Limited Warranty)
SSX160361A	AEPF4260+TXV	36,000 (3)	16	\$ 3,031.00	Lifetime (10 Year Limited Warranty)
GSC130601A	AEPT060	60,000 (5)	14	\$ 3,044.00	5 Year Limited Warranty (5 Year Limited Warranty)
GSC140181A	AEPF4260	48,000 (4)	15	\$ 3,147.00	10 Year Limited Warranty (5 Year Limited Warranty)
SSX160481A	AEPF4260+TXV	48,000 (4)	16	\$ 3,362.00	Lifetime (10 Year Limited Warranty)
SSX160601A	CAPF4860+TXV	60,000 (5)	16	\$ 3,683.00	Lifetime (10 Year Limited Warranty)

Goodman (Condenser, evaporator coil, air handler and electric heaters only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
GSH130181A	ARUF1824	18,000 (1.5)	13	\$ 1,245.95	5 Year Limited Warranty (5 Year Limited Warranty)
GSH130241A	ARUF1824	23,000 (2)	13	\$ 1,285.95	5 Year Limited Warranty

						(5 Year Limited Warranty)
GSH130301A	ARUF3030	28,000 (2.5)	13	\$ 1,455.95		5 Year Limited Warranty (5 Year Limited Warranty)
GSH130181A	AEPF1830	18,000 (1.5)	14	\$ 1,495.95		5 Year Limited Warranty (5 Year Limited Warranty)
GSH130241A	AEPF1830	23,000 (2)	14	\$ 1,565.95		5 Year Limited Warranty (5 Year Limited Warranty)
GSH130361A	ARUF03642	35,000 (3)	13	\$ 1,635.95		5 Year Limited Warranty (5 Year Limited Warranty)
GSH130301A	AEPF1830	28,000 (2.5)	14	\$ 1,675.95		5 Year Limited Warranty (5 Year Limited Warranty)
GSH130421A	ARUF03642	40,000 (3.5)	13	\$ 1,705.95		5 Year Limited Warranty (5 Year Limited Warranty)
GSH130361A	AEPF3036	35,000 (3)	14	\$ 1,915.95		5 Year Limited Warranty (5 Year Limited Warranty)
GSH130481A	ARUF04860	45,000 (4)	13	\$ 1,945.95		5 Year Limited Warranty (5 Year Limited Warranty)
GSH130421A	AEPF4260	40,000 (3.5)	14	\$ 2,015.95		5 Year Limited Warranty (5 Year Limited Warranty)
GSH130481A	AEPF4260	45,000 (4)	13	\$ 2,155.95		5 Year Limited Warranty

					(5 Year Limited Warranty)
GSH130601A	ARUF04860	55,500 (5)	13	\$ 2,165.95	5 Year Limited Warranty (5 Year Limited Warranty)
GSH130601A	AEPF4260	55,500 (5)	13	\$ 2,395.95	5 Year Limited Warranty (5 Year Limited Warranty)

Haier (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
HC18A1VAR	HB2400VA1M20	18,000 (1.5)	10	\$ 735.00	5 Year Limited Warranty (5 Year Limited Warranty)
HC24A1VAR		24,000 (2)	10	\$ 745.95	5 Year Limited Warranty (5 Year Limited Warranty)
HC30A1VAR	HB3000VA1M20	30,000 (2.5)	10	\$ 820.00	5 Year Limited Warranty (5 Year Limited Warranty)
HC36A1VAR	HB3600VA1M20	36,000 (3)	10	\$ 879.00	5 Year Limited Warranty (5 Year Limited Warranty)
HC42A1VAR	HB4200VA1M25	42,000 (3.5)	10	\$ 1,025.00	5 Year Limited Warranty (5 Year Limited Warranty)
HC18D1VAR	HB2400VD1M20	18,000 (1.5)	13	\$ 1,045.95	5 Year Limited Warranty (5 Year Limited Warranty)

HC48A1VAR	HB4800VA1M25	48,000 (4)	10	\$ 1,105.95	5 Year Limited Warranty (5 Year Limited Warranty)
HC24D1VAR	HB2400VD1M20	24,000 (2)	13	\$ 1,115.95	5 Year Limited Warranty (5 Year Limited Warranty)
	HB6000VA1M25	60,000 (5)	10	\$ 1,225.95	5 Year Limited Warranty (5 Year Limited Warranty)
HC30D1VAR	HB3600VD1M20	30,000 (2.5)	13	\$ 1,279.95	5 Year Limited Warranty (5 Year Limited Warranty)
	HB3600VD1M20	35,000 (3)	13	\$ 1,327.95	5 Year Limited Warranty (5 Year Limited Warranty)
	HB4800VD1M22	40,000 (3.5)	13	\$ 1,465.95	5 Year Limited Warranty (5 Year Limited Warranty)
	HB4800VD1M20	47,000 (4)	13	\$ 1,565.95	5 Year Limited Warranty (5 Year Limited Warranty)
	HB6000VD1M20	55,000 (5)	13	\$ 1,875.95	5 Year Limited Warranty (5 Year Limited Warranty)

Haier (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEER	Price (\$US)	Compressor Warranty (Parts Warranty)
HR18D1VAR	HB2400VD1M20	18,000 (1.5)	13	\$ 1,105.00	5 Year Limited Warranty (5 Year Limited

HR24D1VAR	HB2400VD1M20	24,000 (2)	13	\$ 1,145.00	Warranty) 5 Year Limited Warranty (5 Year Limited Warranty)
HR30D1VAR	HB3600VD1M22	28,000 (2.5)	13	\$ 1,285.00	5 Year Limited Warranty (5 Year Limited Warranty)
HR36D1VAR	HB3600VD1M22	34,000 (3)	13	\$ 1,405.00	5 Year Limited Warranty (5 Year Limited Warranty)
HR42D1VAR	HB4800VD1M22	40,000 (3.5)	13	\$ 1,460.00	5 Year Limited Warranty (5 Year Limited Warranty)
HR48D1VAR	HB4800VD1M22	46,000 (4)	13	\$ 1,630.00	5 Year Limited Warranty (5 Year Limited Warranty)
HR60D1VAR	HB6000VD1M22-E	56,000 (5)	13	\$ 1,890.00	5 Year Limited Warranty (5 Year Limited Warranty)

Heat controller (Condenser and evaporator coils only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
RSE1318-1		18,000 (1.5)	13	\$ 828.50	12 Year Limited Warranty (6 Year Limited Warranty)
RSE1324-1		23,400 (2)	13	\$ 931.00	12 Year Limited Warranty (6 Year Limited Warranty)
RSE1330		28,600	13	\$ 1,008.50	12 Year Limited

	(2.5)			Warranty (6 Year Limited Warranty)
RSE1336	34,800 (3)	13	\$ 1,090.75	12 Year Limited Warranty (6 Year Limited Warranty)
RSE1342-1	41,500 (3.5)	13	\$ 1,218.75	12 Year Limited Warranty (6 Year Limited Warranty)
RSE1348	47,000 (4)	13	\$ 1,392.25	12 Year Limited Warranty (6 Year Limited Warranty)
RSE1360-1	56,500 (5)	13	\$ 1,590.95	12 Year Limited Warranty (6 Year Limited Warranty)

Heat controller (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
HRE1318-1A		18,000 (1.5)	13	\$ 1,275.00	12 Year Limited Warranty (6 Year Limited Warranty)
HRE1324-1A		23,800 (2)	13	\$ 1,395.00	12 Year Limited Warranty (6 Year Limited Warranty)
HRE1330-1A		29,400 (2.5)	13	\$ 1,515.00	12 Year Limited Warranty (6 Year Limited Warranty)
HRE1336-1A		35,800 (3)	13	\$ 1,630.00	12 Year Limited Warranty (6 Year Limited

HRE1342-1A	HFE3617EP1A	41,000 (3.5)	13	\$ 1,895.00	Warranty) 12 Year Limited Warranty (6 Year Limited Warranty)
HRE1348-1A	HRE1348-1A	47,500 (4)	13	\$ 2,110.00	12 Year Limited Warranty (6 Year Limited Warranty)
HRE1360-1A	HFE6024EX1A	58,000 (5)	13	\$ 2,335.00	12 Year Limited Warranty (6 Year Limited Warranty)

Heil (Condenser and evaporator coils only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
N2A318AKA		18,000 (1.3)	13	\$ 1,155.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A324AKA	FSM2X2400A	24,000 (2)	13	\$ 1,235.00	5 Year Limited Warranty (5 Year Limited Warranty)

Heil (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
N2A318AKA	FEM2X1800A	18,000 (1.5)	14	\$ 1,245.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A330AKA	FSM2X3000A	30,000 (2.5)	13	\$ 1,299.00	5 Year Limited Warranty (5 Year Limited

					Warranty)
N2A324AKA	FEM2X2400A	24,000 (2)	14	\$ 1,325.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A336AKA	FSM2X3600A	36,000 (3)	13	\$ 1,399.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A330AKA	FEM2X3600A	30,000 (2.5)	14	\$ 1,425.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A336AKA	FEM2X3600A	36,000 (3)	14	\$ 1,498.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A342AKA	FSM2X4200A	42,000 (3.5)	13	\$ 1,560.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A342AKA	FEM2X4800A	42,000 (3.5)	14	\$ 1,680.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A348AKA	FSM2X4800A	48,000 (4)	13	\$ 1,699.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A348AKA	FEM2X6000A	48,000 (4)	14	\$ 1,799.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2A360AKA	FSM2X6000A	60,000 (5)	13	\$ 1,855.00	5 Year Limited Warranty (5 Year Limited Warranty)

Heil (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
N2H318AKA	FSM2X1800A	18,000 (1.5)	13	\$ 1,255.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2H324AKA	FSM2X2400A	24,000 (2)	13	\$ 1,369.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2H330AKA	FSM2X3000A	30,000 (2.5)	13	\$ 1,469.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2H336AKA	FEM2X3600A	36,000 (3)	13	\$ 1,684.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2H342AKA	FEM2X4200A	42,000 (3.5)	13	\$ 1,868.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2H348AKA	FEM2X4800A	48,000 (4)	13	\$ 1,997.00	5 Year Limited Warranty (5 Year Limited Warranty)
N2H360AKA	FEM2X6000A	60,000 (5)	13	\$ 2,110.00	5 Year Limited Warranty (5 Year Limited Warranty)

LG (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
LS090CE		9,000 (0.75)	13	\$ 899.00	5 Year Limited Warranty (2 Year Limited)

					Warranty)
LS180CE		18,000 (1.5)	13	\$ 1,429.00	5 Year Limited Warranty (2 Year Limited Warranty)
LS240CE		22,500 (2)	13	\$ 1,529.00	5 Year Limited Warranty (2 Year Limited Warranty)

LG (Condenser, evaporator coil, air handler and electric heaters only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
LS120HE		11,500 (1)	13	\$ 1,269.00	5 Year Limited Warranty (2 Year Limited Warranty)
LS180HE		19,500 (1.5)	13	\$ 1,699.00	5 Year Limited Warranty (2 Year Limited Warranty)
LS240HE		22,500 (2)	13	\$ 1,799.00	5 Year Limited Warranty (2 Year Limited Warranty)

Mitsubishi electronics (Condenser and evaporator coils only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
		11,600 (1)	13	\$ 1,105.95	6 Year Limited Warranty (1 Year Limited Warranty)

Mitsubishi electronics (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
		9,000 (0.75)	17	\$ 1,125.95	6 Year Limited Warranty (1 Year Limited Warranty)
		12,000 (1)	17	\$ 1,355.95	6 Year Limited Warranty (1 Year Limited Warranty)
		15,000 (1.2)	16	\$ 1,415.95	6 Year Limited Warranty (1 Year Limited Warranty)
		16,200 (1.3)	16	\$ 1,575.95	6 Year Limited Warranty (1 Year Limited Warranty)
		22,000 (2)	16	\$ 1,765.95	6 Year Limited Warranty (1 Year Limited Warranty)
		20,000 (1.7)	15	\$ 2,835.95	6 Year Limited Warranty (1 Year Limited Warranty)
		18,000 (1.7)	15	\$ 2,905.95	6 Year Limited Warranty (1 Year Limited Warranty)
		20,000 (1.7)	15	\$ 3,015.95	6 Year Limited Warranty (1 Year Limited Warranty)
		20,000 (1.7)	15	\$ 3,085.95	6 Year Limited Warranty (1 Year Limited Warranty)

				Warranty)
27,000 (2.5)	14	\$ 4,175.95	6 Year Limited Warranty (1 Year Limited Warranty)	
28,400 (2.5)	14	\$ 4,355.95	6 Year Limited Warranty (1 Year Limited Warranty)	
28,400 (2.5)	14	\$ 4,485.95	6 Year Limited Warranty (5 Year Limited Warranty)	

Payne (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
PH13NR018000	PF1MNC019000	18,000 (1.5)	13	\$ 1,601.00	5 Year Limited Warranty (5 Year Limited Warranty)
PH13NR024000	PF1MNC025000	23,600 (2)	13	\$ 1,646.00	5 Year Limited Warranty (5 Year Limited Warranty)
PH13NR030000	PF1MNC031000	29,400 (2.5)	13	\$ 1,837.00	5 Year Limited Warranty (5 Year Limited Warranty)
PH13NR036000	PF1MNC037000	35,000 (3)	13	\$ 2,056.00	5 Year Limited Warranty (5 Year Limited Warranty)
PH13NR042000	PF1MNC043000	41,000 (3.5)	13	\$ 2,127.00	5 Year Limited Warranty (5 Year Limited Warranty)
PH13NR048000	PF1MNC049000	48,000 (4)	13	\$ 2,438.00	5 Year Limited

					Warranty (5 Year Limited Warranty)
PH13NR060000	PF1MNC049000	54,000 (5)	13	\$ 2,715.00	5 Year Limited Warranty (5 Year Limited Warranty)

Rheem (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
RAND018JAZ	RHSAHM1817JA	18,000 (1.5)	13	\$ 1,345.00	10 Year Limited Warranty (5 Year Limited Warranty)
RAND024JAZ	RHSAHM2417JA	24,000 (2)	13	\$ 1,375.00	10 Year Limited Warranty (5 Year Limited Warranty)
RAND030JAZ	RHSAHM3017JA	30,000 (2.5)	13	\$ 1,465.00	10 Year Limited Warranty (5 Year Limited Warranty)
RAND036JAZ	RHSAHM3617JA	36,000 (3)	13	\$ 1,595.00	10 Year Limited Warranty (5 Year Limited Warranty)
RAND042JAZ	RHSAHM4221JA	42,000 (3.5)	13	\$ 1,720.00	10 Year Limited Warranty (5 Year Limited Warranty)
RAND048JAZ	RHSAHM4821JA	48,000 (4)	13	\$ 1,895.00	10 Year Limited Warranty (5 Year Limited Warranty)
RAND060JAZ	RHSAHM6024JA	60,000 (5)	13	\$ 2,290.00	10 Year Limited Warranty (5 Year Limited Warranty)

Warranty)

Rheem (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
RPNE018JAZ	RHSAHM1817JA	18,000 (1.5)	13	\$ 1,455.00	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE024JAZ	RHSAHM2417JA	24,000 (2)	13	\$ 1,498.00	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE018JAZ		18,000 (1.5)	13	\$ 1,509.99	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE024JAZ		24,000 (2)	13	\$ 1,601.66	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE030JAZ	RHSAHM3017JA	30,000 (2.5)	13	\$ 1,635.00	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE030JAZ		30,000 (2.5)	13	\$ 1,705.10	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE036JAZ	RHSAHM3617JA	36,000 (3)	13	\$ 1,735.00	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE018JAZ	RHSAHM1817	18,000 (1.5)	13	\$ 1,890.74	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE024JAZ	RHSAHM2417	24,000 (2)	13	\$ 1,941.68	10 Year Limited

						Warranty (5 Year Limited Warranty)
RPNE036JAZ		36,000 (3)	13	\$ 1,966.42		10 Year Limited Warranty (5 Year Limited Warranty)
RPNE042JAZ	RHSAHM4221JA	42,000 (3.5)	13	\$ 1,970.00		10 Year Limited Warranty (5 Year Limited Warranty)
RPNE030JAZ	RHSAHM3017	30,000 (2.5)	13	\$ 2,117.45		10 Year Limited Warranty (5 Year Limited Warranty)
RPNE048JAZ	RHLAHM4821JA	48,000 (4)	13	\$ 2,210.00		10 Year Limited Warranty (5 Year Limited Warranty)
RPNE036JAZ	RHSAHM3617	36,000 (3)	13	\$ 2,253.92		10 Year Limited Warranty (5 Year Limited Warranty)
RPPB-018JAZ	RBHK- 17J06SFD	18,000 (1.5)	14	\$ 2,265.95		10 Year Limited Warranty (5 Year Limited Warranty)
RPNE018JAZ	RHKAHM2417	18,000 (1.5)	14	\$ 2,277.75		10 Year Limited Warranty (5 Year Limited Warranty)
RPNE024JAZ	RHKAHM2417	24,000 (2)	14	\$ 2,354.40		10 Year Limited Warranty (5 Year Limited Warranty)
RPPB-024JAZ	RBHK- 17J06SFE	24,000 (2)	14	\$ 2,375.95		10 Year Limited Warranty (5 Year Limited Warranty)
RPNE060JAZ	RHLAHM6021JA	60,000 (5)	13	\$ 2,399.00		10 Year Limited

					Warranty (5 Year Limited Warranty)
RPNE042JAZ		42,000 (3.5)	13	\$ 2,436.05	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE030JAZ	RHKAHM3617	30,000 (2.5)	14	\$ 2,499.25	10 Year Limited Warranty (5 Year Limited Warranty)
RPPB-030JAZ	RBHK- 21J06SFF	30,000 (2.5)	14	\$ 2,615.95	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE048JAZ		48,000 (4)	13	\$ 2,676.98	10 Year Limited Warranty (5 Year Limited Warranty)
RPPB-036JAZ	RBHK- 21J06SFG	36,000 (3)	14	\$ 2,715.95	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE042JAZ	RHSAHM4221	42,000 (3.5)	13	\$ 2,730.62	10 Year Limited Warranty (5 Year Limited Warranty)
RPPB036JAZ	RBHK21J14SFA	36,000 (3)	14	\$ 2,769.80	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE060JAZ		60,000 (5)	13	\$ 2,945.66	10 Year Limited Warranty (5 Year Limited Warranty)
RPPB042JAZ	RBHK24J18SFA	42,000 (3.5)	14	\$ 3,103.50	10 Year Limited Warranty (5 Year Limited Warranty)
RPPB-042JAZ	RBHK- 24J06SFD	42,000	14	\$ 3,125.95	10 Year Limited

		(3.5)			Warranty (5 Year Limited Warranty)
RPNE048JAZ	RHLAHM4821	48,000 (4)	13	\$ 3,169.94	10 Year Limited Warranty (5 Year Limited Warranty)
RPPB048JAZ	RHLAHM4821	48,000 (4)	14	\$ 3,228.98	10 Year Limited Warranty (5 Year Limited Warranty)
RPNE060JAZ	RHLAHM6024	60,000 (5)	13	\$ 3,410.80	10 Year Limited Warranty (5 Year Limited Warranty)
RPPB060JAZ	RHLAHM6024	60,000 (5)	14	\$ 3,426.55	10 Year Limited Warranty (5 Year Limited Warranty)
RPPB-048JAZ	RBHK- 24J06SUE	48,000 (4)	14	\$ 3,595.95	10 Year Limited Warranty (5 Year Limited Warranty)
RPPB-060JAZ	RBHK- 25J11SUY	60,000 (5)	14	\$ 3,795.95	10 Year Limited Warranty (5 Year Limited Warranty)

Ruud (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
13AJA18A01	UHSA-HM1817JA	18,000 (1.5)	13	\$ 955.95	5 Year Limited Warranty (5 Year Limited Warranty)
13AJA24A01	UHSA-HM2417JA	24,000 (2)	13	\$ 1,065.95	5 Year Limited Warranty (5 Year Limited

						Warranty)
13AJA30A01	UHSA-HM3017JA	30,000 (2.5)	13	\$ 1,165.95		5 Year Limited Warranty (5 Year Limited Warranty)
UAND-024JAZ	USHA-HM2417JA	24,000 (2)	13	\$ 1,185.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-018JAZ	USHA-HM1817JA	18,000 (1.5)	13	\$ 1,241.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-030JAZ	USHA-HM3017JA	30,000 (2.5)	13	\$ 1,265.95		10 Year Limited Warranty (5 Year Limited Warranty)
13AJA36A01	UHSA-HM3617JA	36,000 (3)	13	\$ 1,265.95		5 Year Limited Warranty (5 Year Limited Warranty)
UAND-036JAZ	USHA-HM3617JA	36,000 (3)	13	\$ 1,415.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-018JAZ	UBHK-17J06SFD	18,000 (1.5)	14	\$ 1,415.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-024JAZ	UBHK-17J11SFB	24,000 (2)	14	\$ 1,425.95		10 Year Limited Warranty (5 Year Limited Warranty)
13AJA42A01	UHSA-HM4221JA	42,000 (3.5)	13	\$ 1,475.95		5 Year Limited Warranty (5 Year Limited Warranty)
UAND-042JAZ	USHA-HM4221JA	42,000 (3.5)	13	\$ 1,565.95		10 Year Limited Warranty (5 Year Limited

						Warranty)
UAND-030JAZ	UBHK-21J06SFE	30,000 (2.5)	14	\$ 1,565.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-024JAZ	UBHK-17J06SFDAI	24,000 (2)	15	\$ 1,575.95		10 Year Limited Warranty (5 Year Limited Warranty)
13AJA48A01	UHSA-HM4821JA	48,000 (4)	13	\$ 1,605.95		5 Year Limited Warranty (5 Year Limited Warranty)
UAND-036JAZ	UBHK-21J11SFB	36,000 (3)	14	\$ 1,725.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-048JAZ	USHA-HM4821JA	48,000 (4)	13	\$ 1,755.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-042JAZ	UBHK-24J11SFB	42,000 (3.5)	14	\$ 1,775.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-030JAZ	UBHK-21J07SFEAI	30,000 (2.5)	14	\$ 1,795.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-018JAZ	UHSA-HM1817JA	18,000 (1.5)	13	\$ 1,924.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-024JAZ	UHSA-HM2417JA	24,000 (2)	13	\$ 1,986.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-036JAZ	UBHK-21J11SFEAI	36,000 (3)	14	\$ 1,995.95		10 Year Limited Warranty (5 Year Limited

						Warranty)
13AJA60A01	UHSA-HM6024JA	55,000 (5)	13	\$ 2,005.95		5 Year Limited Warranty (5 Year Limited Warranty)
UAND-030JAZ	UHSA-HM3017JA	30,000 (2.5)	13	\$ 2,086.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-042JAZ	UBHK-24J11SBEAI	42,000 (3.5)	14	\$ 2,095.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-018JAZ	UHLA-HM2417JA	18,000 (1.5)	14	\$ 2,130.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-024JAZ	UHLA-HM2417JA	24,000 (2)	15	\$ 2,179.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-060JAZ	USHA-HM66021JA	60,000 (5)	13	\$ 2,195.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-030JAZ	UHLA-HM3617JA	30,000 (2.5)	14	\$ 2,297.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-036JAZ	UHSA-HM3617JA	36,000 (3)	13	\$ 2,342.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-024JAZ	UHLA-HM2417JA	24,000 (2)	16	\$ 2,365.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-048JAZ	UBHK-24J11SFGAI	48,000 (4)	14	\$ 2,455.95		10 Year Limited Warranty (5 Year Limited

						Warranty)
UAND-036JAZ	UHLA-HM3617JA	36,000 (3)	14	\$ 2,475.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-042JAZ	UHSA-HM4221JA	42,000 (3.5)	13	\$ 2,543.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-030JAZ	UHLA-HM3617JA	30,000 (2.5)	15	\$ 2,602.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-042JAZ	UHLA-HM4821JA	42,000 (3.5)	14	\$ 2,737.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-060JAZ	UHLA-HM6024JA	60,000 (5)	14	\$ 2,755.95		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-036JAZ	UHLA-HM3617JA	36,000 (3)	14	\$ 2,849.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-048JAZ	UHLA-HM4821JA	48,000 (4)	13	\$ 2,999.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-042JAZ	UHLA-HM4821JA	42,000 (3.5)	15	\$ 3,047.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAND-060JAZ	UHLA-HM6024JA	60,000 (5)	13	\$ 3,404.00		10 Year Limited Warranty (5 Year Limited Warranty)
UAPC-048JAZ	UHLA-HM4821JA	48,000 (4)	15	\$ 3,598.00		10 Year Limited Warranty (5 Year Limited

Warranty)

UAPC-060JAZ	UHLA-HM6024JA	60,000 (5)	15	\$ 3,914.00	10 Year Limited Warranty (5 Year Limited Warranty)
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Ruud (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
UPNE018JAZ	RCSA-H2417	18,400 (1.5)	13	\$ 2,152.00	10 Year Limited Warranty (5 Year Limited Warranty)
UPNE024JAZ	RCSA-H2417	23,600 (2)	13	\$ 2,225.00	10 Year Limited Warranty (5 Year Limited Warranty)
UPNE030JAZ	RCSA-H3617	30,200 (2.5)	13	\$ 2,437.00	10 Year Limited Warranty (5 Year Limited Warranty)
UPNE036JAZ	RCSA-H3617	35,400 (3)	13	\$ 2,598.00	10 Year Limited Warranty (5 Year Limited Warranty)
UPNE042JAZ	RCSA-H4821	40,500 (3.5)	13	\$ 3,045.00	10 Year Limited Warranty (5 Year Limited Warranty)

Samsung (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
US07A6MA	AS07A6MA	7,000 (0.6)	10	\$ 849.00	5 Year Limited Warranty (1 Year Limited

					Warranty)
US09A6MAF	AS09A6MAF	9,000 (0.75)	10	\$ 999.00	5 Year Limited Warranty (1 Year Limited Warranty)
LS120CE		11,500 (1)	13	\$ 999.00	5 Year Limited Warranty (2 Year Limited Warranty)
QSCC-091	QSCE-091	9,000 (0.75)	13	\$ 1,099.00	5 Year Limited Warranty (1 Year Limited Warranty)
QSCC-121	QSCE-121	12,000 (1)	13	\$ 1,299.00	5 Year Limited Warranty (1 Year Limited Warranty)
US24A2RC	AS24A2RC	24,000 (2)	10	\$ 1,459.00	5 Year Limited Warranty (1 Year Limited Warranty)
QSCC-181	QSCE-181	18,000 (1.5)	13	\$ 1,699.00	5 Year Limited Warranty (1 Year Limited Warranty)
QSCC-241	QSCE-241	24,000 (2)	13	\$ 1,899.00	5 Year Limited Warranty (1 Year Limited Warranty)
US30C2BC	AS30C2BC	30,000 (2.5)	10	\$ 1,999.00	5 Year Limited Warranty (1 Year Limited Warranty)

Samsung (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
QSHC-091	QSHE-091	9,000	13	\$ 1,199.00	5 Year Limited

		(0.75)			Warranty (1 Year Limited Warranty)
QSHC-121	QSHE-121	12,000 (1)	13	\$ 1,399.00	5 Year Limited Warranty (1 Year Limited Warranty)
QSHC-181	QSHE-181	18,000 (1.5)	13	\$ 1,799.00	5 Year Limited Warranty (1 Year Limited Warranty)
QSHC-241	QSHE-241	24,000 (2)	13	\$ 1,999.00	5 Year Limited Warranty (1 Year Limited Warranty)

Tempstar (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
N2A318AKA	FSM2X1800A	18,000 (1.5)	13	\$ 1,135.95	5 Year Limited Warranty (5 Year Limited Warranty)
N2A324AKA	FSM2X2400A	24,000 (2)	13	\$ 1,215.95	5 Year Limited Warranty (5 Year Limited Warranty)
T2A318GKA	FSM2X1800A	18,000 (1.5)	13	\$ 1,255.95	10 Year Limited Warranty (5 Year Limited Warranty)
N2A330AKA	FSM2X3000A	30,000 (2.5)	13	\$ 1,315.95	5 Year Limited Warranty (5 Year Limited Warranty)
T2A324GKA	FSM2X2400A	24,000 (2)	13	\$ 1,355.95	10 Year Limited Warranty (5 Year Limited Warranty)

						Warranty)
N2A336AKA	FSM2X3600A	35,000 (3)	13	\$ 1,485.95		5 Year Limited Warranty (5 Year Limited Warranty)
T2A330GKA	FSM2X3000A	30,000 (2.5)	13	\$ 1,515.95		10 Year Limited Warranty (5 Year Limited Warranty)
N2A342AKA	FSM2X4200A	42,000 (3.5)	13	\$ 1,695.95		5 Year Limited Warranty (5 Year Limited Warranty)
T2A336GKA	FSM2X3600A	36,000 (3)	13	\$ 1,705.95		10 Year Limited Warranty (5 Year Limited Warranty)
T2A342GKA	FSM2X4200A	42,000 (3.5)	13	\$ 1,885.95		10 Year Limited Warranty (5 Year Limited Warranty)
N2A348AKA	FSM2X4800A	48,000 (4)	13	\$ 1,885.95		5 Year Limited Warranty (5 Year Limited Warranty)
T2A348GKA	FSM2X4800A	48,000 (4)	13	\$ 2,115.95		10 Year Limited Warranty (5 Year Limited Warranty)
N2A360AKA	FSM2X6000A	60,000 (5)	13	\$ 2,115.95		5 Year Limited Warranty (5 Year Limited Warranty)
T2A360GKA	FSM2X6000A	60,000 (5)	13	\$ 2,365.95		10 Year Limited Warranty (5 Year Limited Warranty)

Tempstar (Heat pumps only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
N2H318AKA	FSM2X1800A	18,000 (1.5)	13	\$ 1,285.95	5 Year Limited Warranty (5 Year Limited Warranty)
N2H324AKA	FSM2X2400A	24,000 (2)	13	\$ 1,405.95	10 Year Limited Warranty (5 Year Limited Warranty)
N2H330AKA	FSM2X3000A	30,000 (2.5)	13	\$ 1,575.95	5 Year Limited Warranty (5 Year Limited Warranty)
T2H318GKA	FSM2X1800A	17,700 (1.5)	13	\$ 1,695.95	10 Year Limited Warranty (5 Year Limited Warranty)
T2H324GKA	FSM2X2400A	24,000 (2)	13	\$ 1,815.95	10 Year Limited Warranty (5 Year Limited Warranty)
N2H336AKA	FSM2X3600A	36,000 (3)	13	\$ 1,865.95	5 Year Limited Warranty (5 Year Limited Warranty)
N2H342AKA	FSM2X4200A	42,000 (3.5)	13	\$ 2,035.95	5 Year Limited Warranty (5 Year Limited Warranty)
T2H330GKA	FSM2X3000A	30,000 (2.5)	13	\$ 2,065.95	10 Year Limited Warranty (5 Year Limited Warranty)
T2H336GKA	FSM2X3600A	36,000 (3)	13	\$ 2,295.95	10 Year Limited Warranty (5 Year Limited Warranty)
N2H348AKA	FSM2X4800A	48,000 (4)	13	\$ 2,325.95	5 Year Limited

					Warranty (5 Year Limited Warranty)
N2H360AKA	FSM2X6000A	60,000 (5)	13	\$ 2,555.95	5 Year Limited Warranty (5 Year Limited Warranty)
T2H342GKA	FSM2X4200A	42,000 (3.5)	13	\$ 2,595.95	10 Year Limited Warranty (5 Year Limited Warranty)
T2H348GKA	FSM2X4800A	48,000 (4)	13	\$ 2,795.95	10 Year Limited Warranty (5 Year Limited Warranty)
T2H360GKA	FSM2X6000A	60,000 (5)	13	\$ 3,195.95	10 Year Limited Warranty (5 Year Limited Warranty)

Unionaire (Condenser only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
ORTC009W40	HWC009A4CO	9,500 (0.75)	10	\$ 499.00	5 Year Limited Warranty (1 Year Limited Warranty)

Unionaire (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
ORTC025W60	HWC024A6CO	24,000 (2)	10	\$ 899.00	5 Year Limited Warranty (1 Year Limited Warranty)
PORTC015W60	PHWC015A6CO	14,500	13	\$ 999.00	5 Year Limited

		(1.25)			Warranty (1 Year Limited Warranty)
PORTC027W60	PHWC027A6CO	27,200 (2.25)	13	\$ 1,429.00	5 Year Limited Warranty (1 Year Limited Warranty)
G+OTSM(12+12)R6	ITWM012R6 (2) 6.000BTU EACH	11,800 (1)	12	\$ 1,799.00	5 Year Limited Warranty (1 Year Limited Warranty)
G+OTSM(18+18)R6	ITWM018R6 (2) 9.000BTU EACH	18,000 (1.5)	12	\$ 2,099.00	5 Year Limited Warranty (1 Year Limited Warranty)

Westinghouse (Condenser only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
FS4BF024K	FB4VMX24KB	24,000 (2)	15	\$ 2,167.00	10 Year Limited Warranty (8 Year Limited Warranty)

Westinghouse (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
FS5BD024KA	FB5BMT025KA	24,000 (2)	13	\$ 1,365.00	8 Year Limited Warranty (8 Year Limited Warranty)
FS5BD030KA	FB5BMT030KA	30,000 (2.5)	13	\$ 1,495.00	8 Year Limited Warranty (8 Year Limited Warranty)
FS5BD030KA	FB5BMT036KB	36,000 (3)	13	\$ 1,595.00	8 Year Limited

						Warranty (8 Year Limited Warranty)
FS5BD024K	GB5VMT025KB	24,000 (2)	14	\$ 1,735.00		8 Year Limited Warranty (8 Year Limited Warranty)
FS5BD042KA	FB5BMT042KB	42,000 (3.5)	13	\$ 1,795.00		8 Year Limited Warranty (8 Year Limited Warranty)
FS5BD030K	FB5VM030KB	30,000 (2.5)	14	\$ 1,845.00		8 Year Limited Warranty (8 Year Limited Warranty)
FS5BD036K	FB5VM036KB	36,000 (3)	14	\$ 1,945.00		8 Year Limited Warranty (8 Year Limited Warranty)
FS5BD048KA	FB5BMT048KB	48,000 (4)	13	\$ 1,995.00		8 Year Limited Warranty (8 Year Limited Warranty)
FS5BD060KA	FB5BMT060KB	60,000 (5)	13	\$ 2,295.00		8 Year Limited Warranty (8 Year Limited Warranty)
FS5BD048K	FB5VM048KC	48,000 (4)	14	\$ 2,425.00		8 Year Limited Warranty (8 Year Limited Warranty)
FS4BF036K	FB4VMX36KC	36,000 (3)	16	\$ 2,495.00		10 Year Limited Warranty (8 Year Limited Warranty)
FS5BD060K	FB3VMT060KC	60,000 (5)	14	\$ 2,675.00		8 Year Limited Warranty (8 Year Limited Warranty)
FS4BF048K	FB4VMX48KC	48,000 (4)	16	\$ 2,954.00		10 Year Limited

					Warranty (8 Year Limited Warranty)
FS4BF060K	FB4VMX60KC	60,000 (5)	15	\$ 3,299.00	10 Year Limited Warranty (8 Year Limited Warranty)

York (Condenser and evaporator coils only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
CMB018		18,000 (1.5)	13	\$ 1,075.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB024		24,000 (2)	13	\$ 1,105.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB030		30,000 (2.5)	13	\$ 1,195.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB036		36,000 (3)	13	\$ 1,345.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB048		48,000 (4)	13	\$ 1,515.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB042		42,000 (3.5)	13	\$ 1,575.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB060		60,000 (5)	13	\$ 1,995.95	10 Year Limited Warranty (5 Year Limited

Warranty)

York (Condenser, evaporator coil and air handlers only)

Condenser Model Number	Air Handler Model Number	BTUH (tonnage)	SEE R	Price (\$US)	Compressor Warranty (Parts Warranty)
AC018X1322	F2FP018N06	18,000 (1.5)	13	\$ 1,057.00	5 Year Limited Warranty (5 Year Limited Warranty)
AC024X1322	F2FP024N06	24,000 (2)	13	\$ 1,135.00	5 Year Limited Warranty (5 Year Limited Warranty)
AC030X1322	F2FP030N06	30,000 (2.5)	13	\$ 1,245.00	5 Year Limited Warranty (5 Year Limited Warranty)
AC030X3622	F2FP036N06	36,000 (3)	13	\$ 1,379.00	5 Year Limited Warranty (5 Year Limited Warranty)
AC042X1322	F2FP042S06	42,000 (3.5)	13	\$ 1,599.00	5 Year Limited Warranty (5 Year Limited Warranty)
CMB018	AHP18B3XH21	18,000 (1.5)	13	\$ 1,655.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB024	AHP24B3XH21	24,000 (2)	13	\$ 1,705.95	10 Year Limited Warranty (5 Year Limited Warranty)
AC048X1322	F2FP045H06	48,000 (4)	13	\$ 1,824.00	5 Year Limited Warranty (5 Year Limited Warranty)
CMB030	AHP30B3XH21	30,000	13	\$ 1,845.95	10 Year Limited

		(2.5)			Warranty (5 Year Limited Warranty)
AC060X1322	F2FP060H06	60,000 (5)	13	\$ 1,935.00	5 Year Limited Warranty (5 Year Limited Warranty)
CMB036	AHP36B3XH21	36,000 (3)	13	\$ 2,045.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB042	AHP42B3XH21	42,000 (3.5)	13	\$ 2,375.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB048	AHP48B3XH21	48,000 (4)	13	\$ 2,635.95	10 Year Limited Warranty (5 Year Limited Warranty)
CMB060	AHP60B3XH21	60,000 (5)	13	\$ 2,935.95	10 Year Limited Warranty (5 Year Limited Warranty)

Definitions

BTUH

British Thermal Units per Hour. Air conditioner cooling capacity is generally measured in either BTUH or tons.

Central Air Conditioner

Air Conditioners are made up of two fundamental units: the evaporator coil and the condensing unit. Residential central air conditioners typically "split" these two units, placing the louder condensing components outside and the quieter evaporative coil indoors. It is rare to find central air conditioners with a capacity smaller than 18,000 BTUs per hour (about 1.5 tons).

Condenser

A condenser is that portion of a central air conditioner or heat pump that removes unwanted heat from the air. The most common type of condenser is the air-cooled condenser. Air-cooled condensers typically blow warm air across a set of refrigerant-filled coils. (Note, this condenser coil is different from the evaporator coil,

which is installed indoors in a split-system central air conditioner.) The refrigerant condenses into a liquid, and releases heat in the process.

Compressor

The compressor is typically located outside in a split system air conditioner or heat pump. It increases the pressure and the temperature of the gaseous refrigerant, and then sends that the refrigerant to the condenser coil.

HVAC

HVAC is an abbreviation for Heating, Ventilation and Air Conditioning. HVAC Contractors specialize in the installation and maintenance of furnaces, boilers, heat pumps and central air conditioners.

SEER

Seasonal Energy Efficiency Rating. It is the most commonly used measure of the efficiency of consumer central air conditioning systems. (EER, or Energy Efficiency Rating is the most commonly used measure of efficiency for commercial air conditioning systems.)

An air conditioner must have a SEER of at least 10 to be sold in the United States. Beginning January 23, 2006, all new central air conditioners manufactured in the US must have a SEER of at least 13.

Ton

A ton of cooling capacity is the amount of cooling that would be provided by melting a ton of ice. Thus, a central air conditioning system that is rated as a 2-ton system would provide the same cooling power as melting two tons of ice per hour. A ton is equal to 12,000 BTUs. Thus, a 2-ton air conditioner is roughly equivalent to a 24,000 BTU air conditioner.