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How much does it cost to replace a 3.5 ton ac unit

There are many ways to cool your home's air, and most of them are sized to the square feet you plan on cooling. The bigger your home, the bigger the system must be. Size is only one component of your project's cost, however. The system type, insulation, zone or climate, and efficiency preferences affect your costs. You can get a rough estimate of how much it costs to cool your home per square foot. Depending on the system, you will likely pay between \$2 and \$6 a square foot for your installed air conditioning system. New ducts, different zones, and higher energy ratings increase the project cost. Existing ducts, lower energy ratings, and single-zone systems cost less. Compare prices from air conditioner installers near me New AC Unit Cost by Type There are many ways to cool the air in your home. These include traditional air conditioning and other methods, such as geothermal heat pumps, mini-splits, and evaporative coolers. Each has different costs and varying results. TypeAverage Costs per Unit (Installed)Window AC\$3,200 - \$1,000Portable\$300 - \$1,500Swamp Cooler\$1,500 - \$3,500Ductless\$3,150 - \$9,000Central Air\$3,500 - \$12,000Variable Capacity\$4,200 - \$15,600Packages\$10,000 - \$14,000Geothermal AC\$12,000 - \$30,000Window AC Unit Cost Window AC units average \$200 to \$1,000. Window units can be put in DIY, or you can have them professionally mounted. The average cost for professional mounting is around \$500. Window units come in all sizes and cool rooms from 100 to 1,000 sq.ft. Most are designed to fit a sash-hung window, but some models fit casement and other styles. Window units for non-standard-sized windows cost more than those for a single or double-hung window. Portable Air Conditioner Price The cost of a portable air conditioner is between \$300 and \$1,500. These units do not have any associated installation costs. They are large units typically on wheels. They move around your home as needed. Some require window access or another opening to work correctly, while others do not. Like all air conditioners, they come in many sizes that cool various room sizes. Swamp Cooler Cost The average cost of an evaporative cooler or swamp cooler is \$1,500 to \$3,500. This system works the opposite of an air conditioner. An air conditioner removes water from the air as it condenses and cools it. A swamp cooler adds water to the air to cool it, so it is a better choice in dry climates like Arizona. Swamp coolers need open windows. They also do not cool the air as effectively as air conditioners but can make the air more comfortable in hot and dry climates. Ductless AC Cost Ductless air conditioners, or mini-split air conditioners, range from \$3,150 to \$9,000. Ductless AC units are a good choice for retrofitting homes with boilers or other forms of non-ducted heating. They are also a good choice for additions. They are a type of split system with the condenser outside and the air handler inside, which is why it is a mini-split. You can have several air handlers for one condenser, allowing you to cool several rooms. You can also install different zones to make the system more efficient. Something that is less commonly known about ductless mini-splits (especially when they're being referred to as ductless A/Cs) is that they both heat and cool. They are extremely efficient and currently offered in efficiency ratings up to 33 SEER in certain brands. You can also turn them off in spaces where you aren't currently using them, saving even more on energy bills. Central air conditioners cost between \$3,500 and \$12,000. If you also use a forced hot air furnace, these are sometimes referred to as split HVAC systems. Central air conditioning uses ducts to deliver cooled air to every room. There is just one unit with the condenser and air handler. It is usually installed outside, although it can be installed in an attic in rare instances. It is installed indoors if you have a furnace so that both systems use the same ducts. Variable Capacity Air Conditioner Cost A variable capacity air conditioner ranges from \$4,200 to \$15,600. This is a central air conditioner. It uses ducts and is usually installed as part of a split system. This is a very efficient air conditioner. Most air conditioners have two stages. By upgrading to a variable capacity, the unit lasts longer and uses less energy. They cost 20-30% more than typical central air conditioning systems of the same size. HVAC Package Unit Cost A package unit costs between \$10,000 and \$14,000. A package unit contains the AC and furnace in one piece. It is smaller than a split system and is typically installed outdoors. This is not the most efficient system and is best used in small homes and moderate climates. While it can be less expensive than installing a separate furnace and air conditioners, it can cost more long-term because the entire unit must be replaced if one section breaks. These units most frequently use gas, and it can be difficult to find models that use other fuels. Geothermal Air Conditioning Cost Geothermal heat pumps cost \$12,000 to \$30,000. Geothermal heat pumps are not air conditioners, but they can cool the air. In cold weather, they take heat from the ground and move it into your home. In hot weather, they take the hot air out of your home and move it into the earth. This is a very efficient method of heating and cooling and works best in cold climates. Once installed, it has much lower lifetime costs than other HVAC systems. Air Conditioner Price by Energy-Efficiency You can save money on your energy costs with an energy-efficient air conditioning unit. Check out EER and SEER ratings to see which units provide the most efficiency. According to Energy Star, EER stands for "energy efficiency ratio" and measures the unit's efficiency when the outdoor temperature is 95° Fahrenheit. SEER stands for "seasonal energy efficiency rating" and measures the unit's efficiency over a season. Both measurements are good indicators of energy efficiency. Products with the Energy Star label have good scores in both areas. If you see a product with a light blue "Energy Star" marking, you know that unit is a good choice from an efficiency perspective. Only true air conditioners have a SEER rating - evaporative coolers and heat pumps do not use SEER. These products can be more efficient than traditional air conditioning and use less energy. Heat pumps, geothermal or ductless mini-splits, are considered more efficient than air conditioning. Geothermal heat pumps use the least electricity to heat and cool your home. Swamp coolers use only 25% of the electricity needed for a same-sized air conditioner, making this a very efficient way to cool your home. Below are the costs for central air conditioning units according to their SEER ratings. The more efficient the model, the higher the cost. A high SEER model can pay for itself more quickly than a lower SEER model if you live in a very hot climate. Conversely, using a high SEER model in a climate that does not get very high temperatures regularly means you pay more upfront and do not necessarily recoup the savings. SEER Efficiency Average Cost (Materials Only) 13 - 14 Standard \$1,500 - \$3,000 15 - 16 High \$2,000 - \$4,000 17 - 18 High \$2,500 - \$5,000 19 - 21 Super-High \$3,000 - \$6,000 22 - 24 Highest \$5,000 - \$7,000 13 - 14 SEER AC Unit Cost A 13 to 14 SEER AC unit costs between \$1,500 and \$3,000. This is considered standard efficiency or the minimum efficiency needed today. Most of today's air conditioners are much more efficient than older types. Upgrading to a 13 to 14 SEER unit still makes a big difference in your monthly bills if you have an older unit and live in a moderate climate. The cost of an American Standard air conditioner is \$2,470 to \$7,000. American Standard is considered a mid to high-end air conditioner. They have a full range of sizes and options to choose from. They also have a full range of SEER ratings. This means you can easily find the unit that best fits your needs. These units also have a long history of quality and durability and are known to last. York Air Conditioner Price The cost of a York air conditioner ranges from \$2,590 to \$5,980. York is also a mid to high-end air conditioner. They are known for their quality and durability. They make a full range of differently sized units. They also have a complete array of SEER ratings. This makes it easy to find the unit that best fits your home. Many installers carry York, making it easy to find the unit and an installer. Lennox Air Conditioner Prices Lennox air conditioners cost between \$3,160 to \$7,230. Lennox is considered a high-quality brand. They make several lines of units. This includes some lower-cost options and more expensive models. All their units come in a full range of sizes. Their higher-end models typically have variable capacity and higher SEER ratings. Bryant Air Conditioner Prices Bryant air conditioners cost between \$3,200 and \$7,120. Bryant is also considered a high-end or high-quality air conditioner. They are well-known for having high-efficiency models that can save on power bills. Their units have features like variable capacity and many sizes. Many installers also carry Bryant. This makes finding the unit and installer easier. Carrier Air Conditioner Prices Carrier air conditioners cost between \$3,420 and \$7,680. Carrier makes a wide range of air conditioners. This includes lower SEER models that are more affordable and very high SEER models that, while more expensive, pay for themselves over time. Carrier is a popular brand with homeowners and installers. Many installers carry Carrier air conditioners, which makes it easy to find the model you want and a qualified installer. Carrier is considered a high-quality air conditioner brand. Air Conditioning Installation Cost The cost of installing your air conditioning system varies by the system type. Some systems, such as window ACs and swamp coolers, can be installed DIY. Their installation costs are fairly low, even when you hire a professional. Other systems have much higher costs. TypeAverage Labor CostsTotal Average CostsWindow AC\$50 - \$150\$200 - \$1,000Swamp Coolers\$150 - \$2,000\$1,500 - \$3,500Mini-Split AC\$300 - \$3,000\$3,150 - \$9,000Central AC\$1,400 - \$3,500\$3,500 - \$12,000Variable Capacity\$1,400 - \$3,500\$4,200 - \$15,600HVAC Packages\$2,000 - \$5,000\$10,000 - \$14,000Geothermal\$7,000 - \$22,000\$12,000 - \$30,000Labor Cost to Install a Window Air Conditioner The labor cost to install a window air conditioner is \$50 to \$150. Window air conditioners are fairly easy to install. Many homeowners choose to put them in and take them out each year. However, you can have it professionally installed if you want it permanently mounted or it is too heavy to lift. Most handyman do this installation. You can also sometimes have the store or company do the installation. Costs vary depending on the unit size and installation type. Swamp Cooler Installation Cost The cost of a swamp cooler installation averages \$150 to \$2,000. Swamp coolers are generally easy to install. Some smaller models can be installed by the homeowner. Larger models and whole-house models may need professional installation. The exact cost depends on the unit size and type. Several swamp coolers are available. Some can be mounted indoors, others on the roof. The placement has an impact on the final costs. Mini-Split AC Installation Cost The cost of a ductless or mini-split AC installation is between \$300 and \$3,000. The cost of installation varies depending on how many air handlers you have and the system's placement. Mini-splits can be installed in walls, ceilings, and in many configurations. They can also cool one or several zones, depending on the air handler placement. The more zones you have, the higher the installation and final project costs. Single-zone installations cost the least. Central AC Installation Cost Central AC or a split system installation ranges from \$1,400 to \$3,500 for labor. In a split system, the air conditioner and furnace are installed separately. They use the same ducts but do not interact. The air conditioning unit is usually installed outside on a pad. Its size, placement, and whether you need a new pad, coils, or ducts impact the installation's final cost. The more components and the larger the system, the higher the installation costs. Variable Capacity Air Conditioner Installation Cost Installing a variable-capacity air conditioner costs \$1,400 to \$3,500 for labor. A variable capacity air conditioner is a central air conditioner. It can adjust as needed rather than having a single or two-stage motor. This makes it more efficient than other models. While the unit costs more, it is installed like other central air conditioning units. That means it has the same labor costs as a less-efficient model. HVAC Package Unit Installation Cost The cost to install an HVAC package unit is between \$2,000 and \$5,000. This HVAC system packages a furnace and air conditioner in one cabinet. It can take up less space than two separate units, which makes it a good choice for smaller homes. The entire unit must be installed outdoors. It requires ducts to run like other central air systems. This system requires frequent maintenance and has higher installation fees. Geothermal Air Conditioning Installation Cost The labor cost of installing geothermal systems is between \$7,000 and \$22,000. Geothermal systems use the earth or water. Rather than cooling or heating the air, they move the heat between your home and the earth. In the summer, this means they take the heated air from your home and move it to the earth. This cools your home while using very little electricity. Because it is not as effective at cooling as true air conditioning, it is recommended for homes in northern or moderate climates. Get free estimates from trusted air conditioner installation companies near me Air Conditioner Price by Location While central air is one of the most popular types of air conditioning for homes, your costs can be different if you have a smaller area to cool. Condos, apartments, townhouses, and mobile homes may have different needs. In some of these cases, a window or portable unit might be your best or only option. In other cases, a ductless installation might be appropriate. For that reason, installing air conditioning in an area that is not a house has different costs. Location / House TypeAverage Costs (Installed)Apartments\$300 - \$1,500Condos\$300 - \$3,500Townhouses\$300 - \$3,500Mobile Homes\$1,500 - \$3,500Garages\$1,500 - \$3,500Apartment AC Unit Cost The average cost of an AC unit for an apartment ranges from \$300 to \$1,500. Most apartments do not allow changes to the walls or other building structures. That means you must add a window unit or purchase a portable unit if the unit does not currently have AC. Depending on your apartment's layout and size, either may work well to meet your needs. If your apartment is larger, a portable unit may be your best option. You can wheel it from area to area or purchase one large enough to effectively cool a large, open space. Condo Air Conditioning Unit Cost The cost of air conditioning for a condo is between \$300 and \$3,500. Since condos are individual units owned by the resident, you have more leeway in what you can use. You may need to check with the association before doing anything visible. This may mean using a window unit, installing a "window" unit in a wall permanently, or using a split system. These plus portable units make great choices for condos. Because running ducts likely means dealing with shared spaces or running through other people's properties, going ductless or using an in-wall, window, or portable unit are your best options. Cost of an AC Unit for a Townhouse The cost of an AC unit for a townhouse averages \$300 to \$3,500. Townhouses are like condos because you own the space you reside in, but you also have shared walls and spaces. You may also be governed by an association dictating what can be visible from the outside. This may mean that while window, in-wall, and ductless units may all be good choices for a townhouse, you may need to check with the association before installation. You can also choose a portable unit. Since townhouses tend to be on two floors, a ductless system with two air handlers may be the best cooling. Mobile Home Air Conditioning Unit Prices The cost of mobile home air conditioning is between \$300 and \$3,500. Mobile homes come in many sizes and configurations. Some have ducts installed for a furnace, so you could add central air. If you do not have ducts, you can use a ductless system with good results. Many mobile homeowners find that in-wall, window, and portable units also work well. Due to the window size and that space is often at a premium, in-wall and ductless systems are the two most common methods of adding cooling to a mobile home. Cost to Install a Mini-Split in a Garage The cost to install a mini-split air conditioner in a garage ranges from \$1,500 to \$3,500. Garages are unique in their layout and construction, which limits the air conditioning you can use there. Most garages do not have windows, meaning window units cannot be used. Most portable units also need some window access, meaning they are not a good fit for garages. Most garages also do not have ducts, meaning a ductless system is the best in most cases. If your garage has a room above it, the same system could also cool this by adding a second air handler to the installation. Cost to Install an HVAC System with Ductwork Ducts are an important part of central air conditioning systems. The ducts allow the cooled or heated air to travel to different parts of your home. There are many duct types and installation styles. Ducts cost between \$0.80 and \$1.50 a linear foot. Most duct installation costs between \$2,000 and \$4,000. The cost to install a new central air conditioning system with ducts is between \$5,000 and \$12,000. Air Conditioning Size Choosing the right air conditioning unit makes a big difference in your home's overall comfort. Cooling capacity is measured by British Thermal Units (BTUs). BTUs measure energy. One BTU is enough to heat or cool a pound of water by 1° Fahrenheit. The more square footage the space has, the more BTUs required to keep that space heated or cooled. Energy Star recommends choosing a unit with the appropriate BTU capacity. Some people assume a higher BTU capacity is better, no matter the room size. But if a unit's BTU capacity is too high, it can waste energy and leave too much humidity. Determine your ideal BTU capacity based on the square footage of the room(s) you want to cool. Window air conditioners, portable air conditioners, and mini-splits are all sold by the BTU. Use your home's size to determine the number of BTUs and find a system in that range. Central air conditioning, however, does not use BTUs. It uses tons. Square Feet to Be Cooled BTUs Recommended 100 - 150 sq.ft. 5,000 150 - 200 sq.ft. 5,500 200 - 300 sq.ft. 6,000 300 - 400 sq.ft. 6,500 400 - 500 sq.ft. 7,000 500 - 600 sq.ft. 7,500 600 - 700 sq.ft. 8,000 700 - 800 sq.ft. 8,500 800 - 900 sq.ft. 9,000 900 - 1,000 sq.ft. 9,500 1,000 - 1,100 sq.ft. 10,000 1,100 - 1,200 sq.ft. 10,500 1,200 - 1,300 sq.ft. 11,000 1,300 - 1,400 sq.ft. 11,500 1,400 - 1,500 sq.ft. 12,000 1,500 - 1,600 sq.ft. 12,500 1,600 - 1,700 sq.ft. 13,000 1,700 - 1,800 sq.ft. 13,500 1,800 - 1,900 sq.ft. 14,000 1,900 - 2,000 sq.ft. 14,500 2,000 - 2,100 sq.ft. 15,000 2,100 - 2,200 sq.ft. 15,500 2,200 - 2,300 sq.ft. 16,000 2,300 - 2,400 sq.ft. 16,500 2,400 - 2,500 sq.ft. 17,000 2,500 - 2,600 sq.ft. 17,500 2,600 - 2,700 sq.ft. 18,000 2,700 - 2,800 sq.ft. 18,500 2,800 - 2,900 sq.ft. 19,000 2,900 - 3,000 sq.ft. 19,500 3,000 - 3,100 sq.ft. 20,000 3,100 - 3,200 sq.ft. 20,500 3,200 - 3,300 sq.ft. 21,000 3,300 - 3,400 sq.ft. 21,500 3,400 - 3,500 sq.ft. 22,000 3,500 - 3,600 sq.ft. 22,500 3,600 - 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