

# HVAC HEAT PUMP SYSTEMS

Your guide to efficient heating and cooling.

A heating, ventilation, and air conditioning (HVAC) heat pump system is an energy-efficient way to heat and cool your home all year round. They are similar to an air conditioner that also works in reverse to heat your home in the winter. Heat pumps work well in all California climate zones, and they are a clean and efficient alternative to a gas furnace and electric air conditioner.

## BENEFITS OF HVAC HEAT PUMP SYSTEMS

- **Save Money** | With limited-time incentives now available on heat pump systems, you save right from the start. Plus, you can save on energy costs with our specially-designed clean technologies rate plan, TOU-D-PRIME. When coupled with exceptional energy efficiency, heat pumps provide significant savings compared to other heating and cooling systems.
- **Energy Efficient** | The ability to heat and cool, combined with technological advances in variable speed capacity, make heat pumps an excellent option for consumers interested in energy efficiency.
- **Help the Environment** | Propane, natural gas, or oil-powered heating systems emit substantial amounts of greenhouse gases into the atmosphere when used. Heat pumps significantly reduce harmful emissions and help protect our environment.
- **Health and Wellness** | Heat pumps eliminate the risk of carbon monoxide poisoning that can occur with natural gas, propane, or heating oil use.

## DID YOU KNOW?

### Special Low Rate for Heat Pumps

Households with clean energy technologies, like heat pump systems, are able to take advantage of our specially-designed TOU-D-PRIME rate.

#### Details

- Lowest rates: 8 a.m. - 4 p.m. and 9 p.m. - 8 a.m.
- Highest rates: All year 4 - 9 p.m.

This TOU rate plan varies the cost of electricity based on time of day, according to energy demand. TOU-D-PRIME offers the lowest off-peak rates of all TOU rate plans. Visit [sce.com/tourates](https://www.sce.com/tourates) to learn more.



- **Comfort and Control** | Certain heat pump technologies enable heating and cooling by zone, providing households with the control to adjust temperatures where needed for maximum comfort while reducing energy usage. Variable capacity heat pumps systems are known for being quiet as well.
- **Flexibility** | With many options to choose from, there is flexibility in selecting the best type of heat pump solution, based on household needs and savings goals.

## DISCOUNTED HEAT PUMP PRICING

We are partnering with manufacturers and distributors to offer discounts on Heating Ventilation and Air Conditioning (HVAC) heat pump equipment for installation in existing residential homes in the SCE service territory. For a limited time, save \$300/ton or more on central heat pump systems, and up to \$600/ton on mini-split heat pumps.

### The savings are instant!

No need to complete a rebate application or wait for an incentive check to come in the mail — just enjoy the instant savings when you make your purchase.

## FOR MORE INFORMATION

Visit us at [sce.com/rebates](https://www.sce.com/rebates)

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## TYPES OF HVAC HEAT PUMPS

- **Central HVAC Heat Pump** | The most common heat pump option and a natural replacement for a central gas/electric split system. An outside heat pump unit works in conjunction with an indoor air handling unit to circulate air through ductwork, operating as an air conditioner in the summer and a heating system in the winter.
- **Variable Capacity Heat Pump** | Utilizes the industry's most advanced technology for reduced energy use. Continuously adjusts heating or cooling delivery in response to the indoor and outdoor conditions. VCHPs boast an energy efficiency advantage of 60% or more, compared to single- or two-speed split systems.
- **Ducted Mini-Split HVAC Heat Pump** | Offers conventional appearance while maximizing energy efficiency. Ducted mini-split systems use variable capacity technology, while providing exceptional comfort and air filtration. Often a perfect option for two-story homes with a system serving each floor.
- **Ductless Mini-Split HVAC Heat Pump** | Offers the ability to heat or cool one room at a time based on occupancy and need, resulting in lower energy usage and room-by-room comfort. Often a perfect option for homes without an existing central heating and air-conditioning system, and where exceptional energy efficiency is desired.

## HOW DOES A HEAT PUMP WORK?

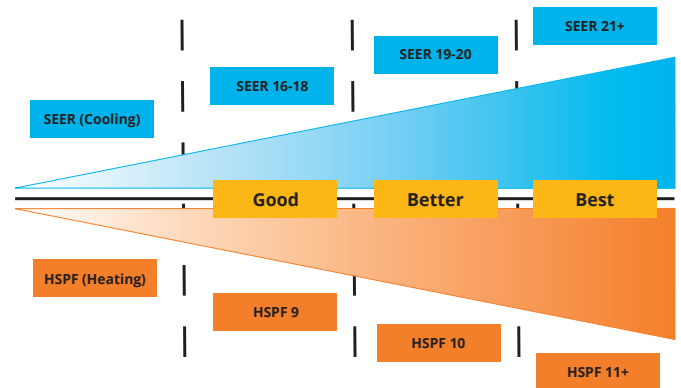
As part of a home heating and cooling system, a heat pump transfers heat from one place to another — to either heat or cool a living space — using a compressor, similar to your refrigerator. When it's cold outside, a heat pump extracts outside heat and transfers it inside. When it's warm outside, it reverses direction and acts like an air conditioner, removing heat from your home.



## GETTING THE MOST FROM YOUR HVAC HEAT PUMP SYSTEM

HVAC heat pumps are each given two ratings—Seasonal Energy Efficiency Ratio (SEER) and Heating Season Performance Factor (HSPF).\*

SEER ratings quantify a system's cooling efficiency while HSPF ratings refer to a system's heating efficiency. The higher the ratings, the more efficiently the system operates.\*\*



\*Actual HVAC heat pump performance may vary depending on climate zone, home envelope and other factors.

\*\*Lower energy costs are a combination of savings derived from the use of an efficient electric heat pump system, in addition to the elimination of gas usage.

## SECURE THE SAVINGS

To ensure savings and energy efficiency, look for ENERGY STAR®-certified units with high SEER and HSPF ratings. Also make sure your system is properly sized and installed for the highest level of comfort and energy savings.