

Save up to \$350 on a new heat pump.

Progress Energy's Heat Pump Rebates make heating your home more economical than ever before. If you've participated in a free Home Energy Check and received a recommendation for a new heat pump, you can receive as much as \$350 toward your new heat pump. Just contact Progress Energy for details about our Heat Pump program.

**Heat Pump Replacing Resistance Heat
(Strip Heat):**

14 SEER & 7.8 HSPF = \$250 credit

15 SEER & 8.0 HSPF = \$350 credit

**Heat Pump Replacing Less Efficient
Heat Pump:**

14 SEER & 7.8 HSPF = \$100

15 SEER & 8.0 HSPF = \$150

For more information on heat pumps or to perform an online Home Energy Check, visit progress-energy.com/save.

Heat pump must be installed by a licensed, insured air conditioning dealer. Rebate amount is determined by the efficiency rating of the heat pump and existing heat type. The condensing unit and the air handler must be changed at the same time.

HOME ENERGY IMPROVEMENT | **Heat Pump**

The high-efficiency **heat pump** is just one of the many home energy improvement recommendations offered by Progress Energy. These money-saving ideas are part of our ongoing commitment to helping customers use energy more efficiently. Visit progress-energy.com/save for more ways to save.



progress-energy.com/save

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HOME ENERGY IMPROVEMENT | **Heat Pump**



**IT HEATS.
IT COOLS.
IT SAVES.**

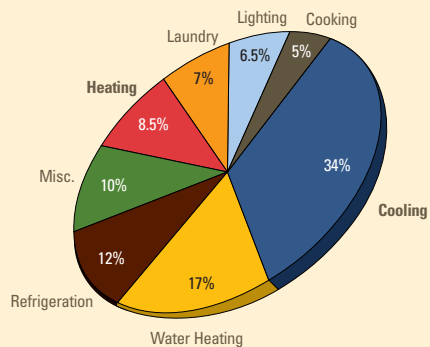
IT'S MAKING LOTS OF FRIENDS.



Cut your heating costs in half with a new heat pump.

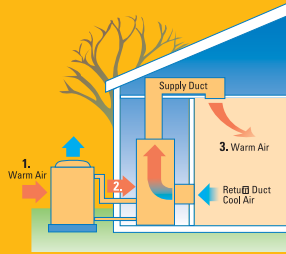
A heat pump is one of the most cost-efficient heating systems you can buy. In fact, it can reduce your heating costs by as much as 50 percent. And, if you already have a heat pump, upgrading its efficiency will also reduce your heating costs.

Typical energy usage for a 1500-square-foot home in Central Florida:



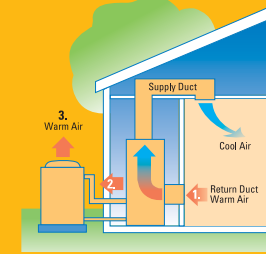
Based on a home with an average efficiency heat pump for cooling/heating and typical weather conditions. Your family's energy patterns and usage may vary substantially due to weather, house and family size, use and efficiency of appliances and indoor temperature settings.

Winter Heating



1. Heat is extracted from the air by the outdoor coil.
2. Refrigerant gas carries heat to the indoor unit.
3. Circulating indoor air picks up heat and carries it throughout the home.

Summer Cooling



1. Heat is extracted from the home's air by the indoor coil.
2. Refrigerant gas carries heat to the outdoor unit.
3. Heat is transferred to the outdoors.

How does a heat pump work?

Unlike conventional systems, a heat pump transfers warm and cool air to where it is needed. And moving heat from one place to another is much more efficient than generating heat.

In the cooling mode, a heat pump extracts heat from indoor air and transfers it outdoors. For heating, the process is reversed – heat from the outdoors is transferred indoors. (Even air at 35° F contains a lot of extractable heat. In fact, the air temperature would have to fall below -200° F to contain no heat at all.)

For those infrequent, but very cold Florida nights, many heat pumps contain a supplemental heat source that automatically provides additional heat.

The high-efficiency heat pump versus electric resistance heat.

Heat Pump	Electric Resistance Heat
Cuts heating costs more than 50 percent	Twice as costly to operate
Produces two or more units of heat for every dollar	Produces one unit of heat for every dollar
Less likely to dry out air	Tends to dry air more
Fewer temperature fluctuations	Greater temperature fluctuations

What else should I know about heat pumps?

Heat pumps are rated by their Seasonal Energy Efficiency Ratio (SEER) for cooling and by Heating Seasonal Performance Factor (HSPF) for heating. The higher the rating, the more efficient the system is and the less costly it will be to operate.

Also, for your heat pump to operate efficiently, it must be properly sized to your home. Ask your air conditioning contractor to size your system by *Manual J* standards or an equivalent method.