

## Ductless Heat Pumps

High-efficiency ductless heat pumps, also known as mini-splits, use up to 50% less energy than electric resistance heating like furnaces, baseboards and wall heaters. Ductless heat pumps also provide cooling, which means a single system can deliver year-round comfort for your home.

Heat pumps heat and cool more efficiently because they transfer heat instead of creating it, requiring significantly less energy. Ductless heat pumps use this principle to extract and concentrate heat from outdoor air. The conditioned air is delivered inside the home using refrigerant lines connected to one or more indoor “heads,” which distribute the air throughout the home.

Ductless heat pumps can replace or supplement your home’s existing electric heating and cooling system. Extended-capacity models are available for homes in particularly cold regions. Compared to a full centrally ducted system installation, ductless heat pumps are relatively easy to install and can pay for themselves in savings over time.

### Cost, Payback and Incentives

The typical cost for a ductless heat pump is \$3,500–\$6,000, including installation. The simple payback period for ductless heat pumps is typically 4 to 8 years, and systems are anticipated to last 15 to 20 years. An incentive of up to \$800 may be available. [Check with your local utility for offers.](#)

Typical Cost	Payback Period	Utility Incentives
\$3,500 – \$6,000	4 to 8 years	Up to \$800

#### Customer Benefits

- Reduce heating energy use up to 50% compared to electric resistance heating systems.
- Built-in cooling is an added benefit for homes with electric resistance heat only.
- Uniformly heat main living area, eliminating hot and cold spots common with some types of heating.
- Meet heating needs even when outdoor temperatures fall below 32 F, and 5 F for cold climate models.
- Relatively low cost and easy to install compared to a full centrally ducted system.
- Can supplement existing heating systems.

#### Recommended For

- Homes without ductwork, including baseboards, wall heaters or radiators.
- Homes with electric heating.