

Ductless Heat Pumps

High-efficiency ductless heat pumps, also known as mini-splits, can reduce your electricity use for heating by up to 75% compared to electric resistance heating like furnaces, baseboard and wall heaters¹. Plus, ductless heat pumps also provide cooling, meaning a single system can deliver year-round comfort for your home.

Heat pumps cool and warm the home more efficiently by transferring heat instead of creating it, which requires significantly less energy. Ductless heat pumps use this principle to extract and concentrate heat from outdoor air. That 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 even pay for themselves in savings over time.

Cost, Payback and Incentives

The typical cost for a ductless heat pump is \$5,500–\$12,000, including installation. The simple payback period for ductless heat pumps is typically 5 to 12 years. Ductless systems are anticipated to last 15–20 years. A utility incentive of up to \$920 may be available. [Check with your local utility](#) for offers. Tax credits and state rebates may also be available.

Typical Cost	Payback Period	Utility Incentives
\$5,500 – \$12,000	5 to 12 years	Up to \$920

Customer Benefits

- Reduce heating energy use up to 75% compared to electric resistance heating systems.
- Built-in cooling is an added benefit for homes with electric resistance heat only.
- Provide efficient heating to the main living space when ductwork does not exist.
- Meet heating needs even when outdoor temperatures fall below 32 °F, and down to 5 °F for cold climate models.
- Relatively low cost and easy to install compared to a full centrally ducted system.
- Can replace or supplement existing heating systems.

Recommended For

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

1. Source: U.S. Department of Energy, *Heat Pump Systems* (Energy Saver)



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