

Buying guide for air-source heat pumps



Thanks to advances in technology, ASHPs are becoming more popular – even in the coldest parts of Ontario. Newer systems are easier to install, with a wider range of models and features that will fit any home. An ASHP can also cool and even dehumidify your home more efficiently than a central air conditioner, giving you year-round comfort with a reduced carbon footprint for years to come.

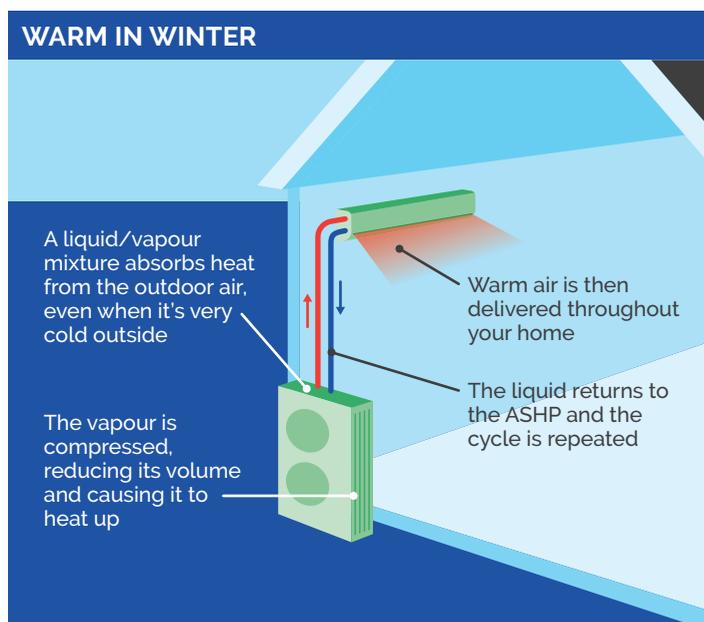
This offer is only available for homes that use electricity, propane, or heating oil as a primary heating source.

GET
REBATES UP TO
\$5,800
FOR ELIGIBLE
ASHPs

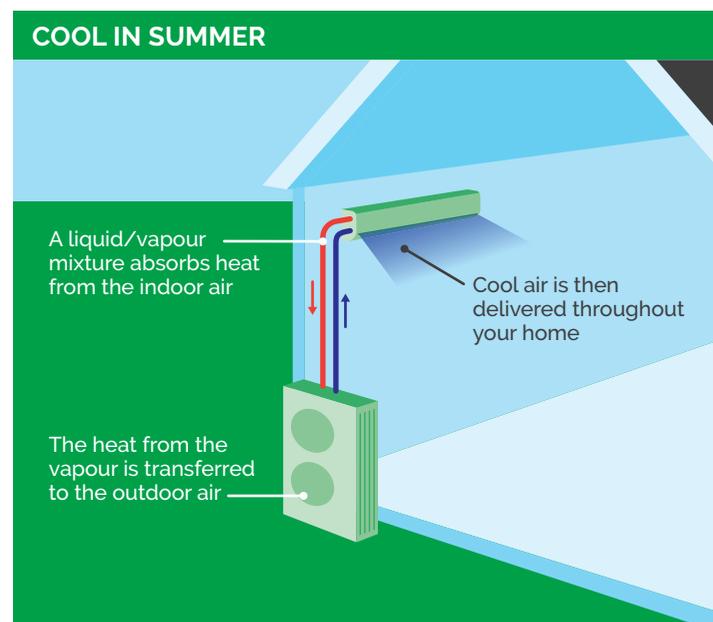
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How it works

Air-source heat pumps transfer heat from one place to another. Because ASHPs move heat rather than produce it, they are much more efficient than electric furnaces and baseboard heaters – using much less energy. Some models can heat water and provide radiant floor heating, too.



During the heating cycle, heat is taken from the outdoor air and pumped indoors, where it passes through a heat exchanger and warms your home. Even at very low temperatures, outdoor air contains some heat.



During the cooling cycle, the system works in reverse, removing heat and humidity from your home and transferring it outdoors – just like an air conditioner, only much more efficient.

Which system is right for me?

Based on your home's size, age and existing heating system and the climate of your area, your options include:

- Ducted ASHP
- Cold Climate Ducted ASHP

For a home with a central electric furnace with existing ductwork



- Ductless ASHP
- Ductless Multiport ASHP
- Cold Climate Ductless ASHP
- Cold Climate Ductless Multiport ASHP

For a home with electric baseboard heaters without existing ductwork



What if I live in a very cold climate?

Today's cold climate ASHPs are specially designed to provide more heating capacity and higher efficiency at outdoor temperatures as low as -25°C . Some systems work at even lower temperatures.

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Questions? Ask us!

Contact GreenON Support for independent expert advice.

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The Green Ontario Fund is a not-for-profit provincial agency that invests proceeds from Ontario's carbon market into climate actions that help people and businesses reduce greenhouse gas emissions and use cleaner technology to power their homes and workplaces. The GreenON Rebates Program is delivered by the Independent Electricity System Operator, with partial funding for Air-Source Heat Pumps for electrically-heated customers provided by the Save on Energy Program offered by the Independent Electricity System Operator. Equipment must be purchased from and installed by a participating contractor. Actual energy savings may vary. Rebates under this program cannot be combined with other rebates or offers and are subject to additional terms and conditions. For more information, visit greenon.ca/terms-and-conditions.
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What do HSPF and SEER mean?

To qualify for rebates, your ASHP must be a new **ENERGY STAR**[®] certified system, or one that meets the CEE Tier-1 qualification (i.e., has a minimum efficiency rating of HSPF 8.5/SEER 15/EER 12.5). A heat pump's label will also tell you how efficient the model is and how it compares to similar systems. Here are two important terms to know:

Heating Seasonal Performance Factor (HSPF)

Measures the ASHP's heating efficiency. Look for a minimum HSPF of 8.5; some models go as high as 13.

Seasonal Energy Efficiency Ratio (SEER)

Measures the ASHP's cooling efficiency. Look for a minimum SEER of 15; some models go as high as 20.

Choose an ASHP with an HSPF as high as your budget will cover. Remember, high-efficiency products may cost more up front, but they can pay for themselves over time in lower electricity bills.

Go with a pro

ASHPs require specialized design and installation. Be sure to choose a GreenON participating contractor, obtain at least three quotes to compare, and check references. For independent expert advice, contact GreenON Support at 1-888-728-8444 or info@GreenON.ca.

Questions to ask your GreenON participating contractor

- What energy savings can I expect from my new system?
- Which rebates do I qualify for?
- Will I need backup heating? If so, how will it affect my energy savings?
- How can I maximize my energy savings?
- What is the warranty coverage and maintenance schedule?