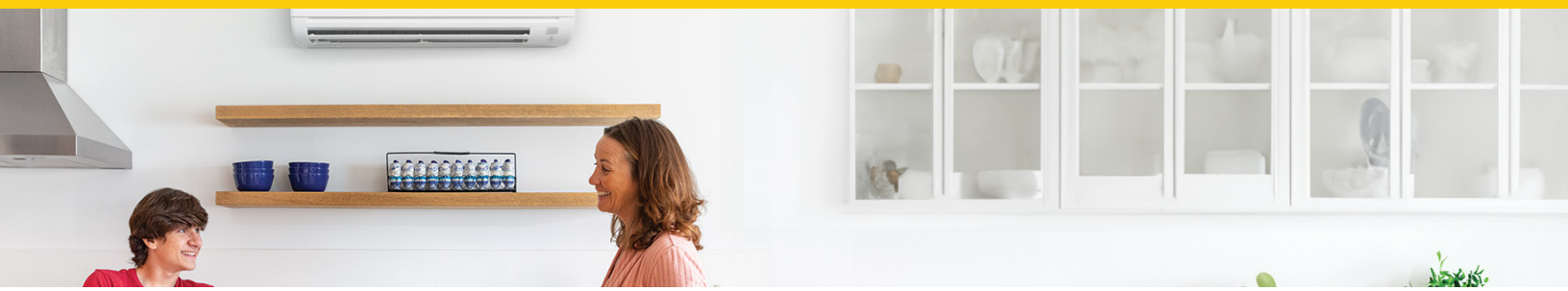
Cold-Climate Air Source Heat Pumps: Better Health, Better Comfort, Better Home

NEW YORK STATE | NYSERDA
New York State Energy Research and Development Authority



HEAT PUMPS ARE COMFORTABLE

DUAL FUNCTIONALITY

Heat pumps can **both heat and cool your home**. Modern cold-climate heat pumps are designed to **provide reliable heating even when outdoor air temperatures reach -15° Farenheit,** making them suitable for any location in New York.

QUIET OPERATION

Heat pumps are quieter than traditional furnaces and air conditioners, **producing minimal noise both inside and outside your home.** Typically, they operate at a sound level of between 18 and 30 decibels, similar to the noise level of gently rustling of leaves.

CONSISTENCY

Heat pumps **distribute comfortable temperatures evenly throughout your home** through their use of variable speed fans and compressors. This means that they respond actively based on the room's current temperature providing just the right amount of hot or cold air to keep your home consistently comfortable.

ZONING

Heat pumps are often installed with head units, or distribution points, throughout the home. This provides **greater flexibility** by allowing you to create different temperature zones in your home. **By choosing the rooms you want to heat or cool independently,** you can maximize comfort in your home.

HEAT PUMPS ARE HEALTHY

MOISTURE CONTROL: Heat pumps **act as dehumidifiers** by removing moisture from the air during cooling. This helps maintain a comfortable and healthy indoor environment by **controlling humidity levels**.

AIR QUALITY: Unlike traditional heating systems that rely on burning fossil fuels, heat pumps operate without combustion. This **eliminates sources of harmful particulates and pollutants**, inside the home and outdoors. This includes eliminating the risk of carbon monoxide exposure, providing peace of mind for a **safer living environment**.

FILTRATION: Heat pumps have **filters which remove airborne contaminants**, such as dust, dirt, allergens, smoke, fibers. They constantly circulate air, **keeping your indoor air clean** and comfortable. Ductless systems are especially effective at removing pollutants because they filter the air at the point of delivery.

WANT TO LEARN MORE?

Interested in experiencing the benefits of heat pumps firsthand? Learn from local businesses about their success with heat pumps. To find participating locations, visit cleanheat.ny.gov/experience-clean-heat.

Want to learn more about benefits of heat pumps and explore your options? To explore how a heat pump can be customized to your home, visit cleanheat.ny.gov.

NEW YORK STATE | NYS Clean Heat Supported