

Natural Gas Heat Pumps



Efficient Heating & Cooling for Everyone

Gas heat pumps can utilize a range of gaseous fuels including natural gas, renewable natural gas and hydrogen. Advanced gas heat pump systems can provide homes and businesses with highly-efficient space heating, water heating and cooling options. Gas heat pumps dramatically improve efficiency compared to the most efficient gas products traditionally used for these applications.

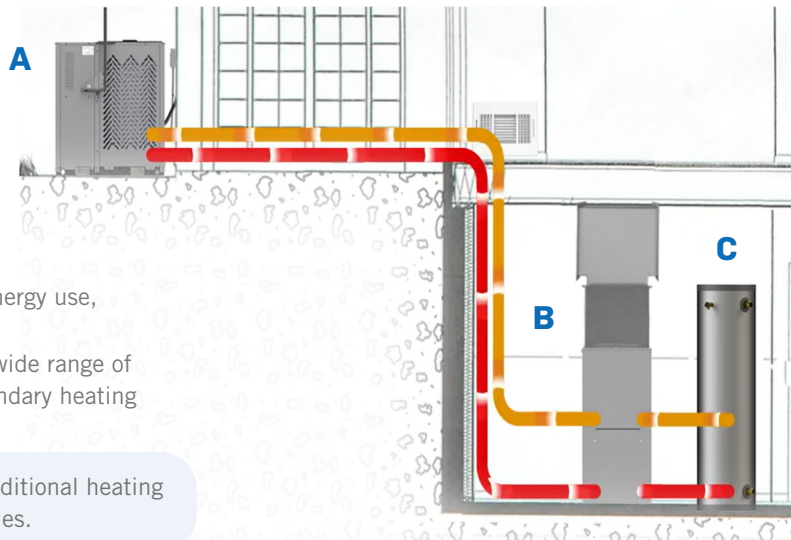
ABOUT GAS HEAT PUMPS

Gas heat pumps move heat from one place (“the source”) to another (“the sink”). Because gas heat pumps move heat rather than generate heat, they can achieve efficiency ratings over 100%. They use about half the energy of a typical furnace or water heater to provide the same services.

Gas heat pumps differ from their electric counterparts. Gas heat pumps use gas-powered technology to pressurize refrigerants and heat exchangers to move heat efficiently from outside a building to the inside. **These units can operate in heating and cooling modes and can heat spaces and water.** Importantly, gas heat pumps used for space heating can maintain their high efficiency even in colder climates. Gas heat pumps systems can consist of the gas heat pump, an air handler and a hot water storage tank.

GAS HEAT PUMPS SYSTEMS CONSIST OF

- A** the gas heat pump
- B** an air handler
- C** a hot water storage tank



BENEFITS OF GAS HEAT PUMPS

- **Save Money And Energy:** Gas heat pumps reduce energy use, emissions and bills.
- **Versatile For Any Climate:** These systems handle a wide range of heating and cooling needs without needing a secondary heating source for colder days.
- **Easy Replacement:** Gas heat pumps can replace traditional heating and water systems without expensive home upgrades.
- **Safe And Clean:** All combustion, refrigerants and venting take place outside the building.

The Future of Gas Heat Pumps

Gas heat pumps are already available for commercial buildings. With the market growing rapidly, we can expect various new products for both residential and commercial uses in the coming years. Gas heat pumps provide substantial energy, emissions and customer benefits, making them ideal candidates for both homes and commercial buildings.

The efficiency and environmental benefits of natural gas heat pumps are recognized in the Inflation Reduction Act of 2022. The bill provides a federal tax credit of up to \$2,000 for the purchase and installation of natural gas heat pumps.