

## WHY CHOOSE A DUAL FUEL HEAT PUMP?



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### **+ VERSATILITY AND SAVINGS**

Heat pumps can heat and cool from one system using electricity. A modern one or two-stage heat pump with a gas back up has an advantage when it comes to versatility. Depending on the cost of your natural gas, your HVAC contractor can set the balance point on your system to save you money. If gas prices spike, you can set a lower outdoor temperature and heat your home with electricity down to 15°F before your gas furnace kicks on. If prices are low, set your furnace to kick on at 40°F instead of 15°F. Either way, you have the power to choose how to heat your home.

### **+ COMFORT**

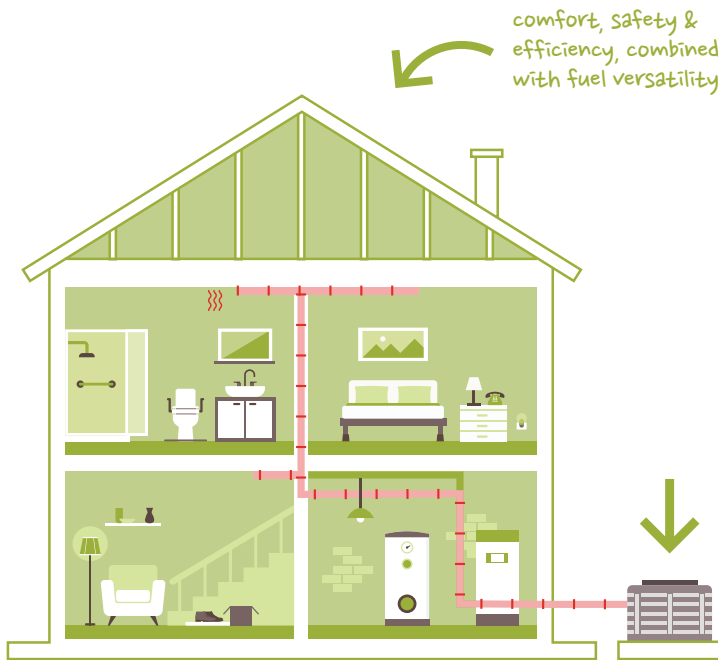
If you're looking for comfort, choose a variable speed, dual heat pump instead of a one or two-stage heat pump. Variable speed heat pumps are meant to run constantly to maintain comfort and reduce costs. A standard heat pump or furnace turns on and off several times within an hour to regulate temperature, causing wear to the equipment and struggling to keep a consistent temperature.

A variable speed heat pump is meant to continuously run. Not only does this reduce the cost to operate, but it keeps your home more comfortable by constantly adjusting air flow to maintain a steady temperature. They're also an efficient way to cool your home during warmer months because they switch to cooling mode and operate at a lower cost than standard air conditioners. They even help reduce humidity, unlike an evaporative cooler or swamp cooler.

### **+ SAFETY**

One of the best features of a dual fuel heat pump is the safety it provides. If your gas gets shut off for a neighborhood repair or the heat exchanger on your furnace cracks, you still have central heat. Your contractor can even add an electric strip heating package for full redundancy, so you don't have to buy seven or eight space heaters. You just activate the heat pump on your dual fuel heat pump system and maintain your home's heating and cooling.

# HOW DO HEAT PUMPS WORK?



## HIGH EFFICIENCY HVAC

As the name implies, heat pump transfers heat energy between inside and outside spaces, heating or cooling as desired. So, in the winter they move heat indoors and in the summer they move heat outside. Heat pumps eliminate the need to have two separate systems to perform heating and cooling, and a properly maintained, high-quality heat pump will last at least 15-20 years. Heat pumps provide an efficient HVAC solution for new homes and additions, renovations, adding air conditioning, or consolidating your current HVAC system.

## DUAL FUEL AIR-SOURCE HEAT PUMPS

- + A heating and cooling system for your home
- + Good airflow exchange, filtration and humidity control
- + Whisper-quiet operation

Dual fuel air-source heat pumps are central systems that heat and cool using your existing duct work and can help with overall energy savings. Dual fuel heat pumps include natural gas or a propane furnace to give you options on how to heat your home in the most economical way.

Note: All ducted air-source heat pumps can be backed up with electric options if your goal is to have an all-electric home.

## ECONOMIC BALANCE POINT

Propane and gas prices can fluctuate, so be sure to ask your contractor how to change your balance point. In most homes when the outdoor air is 17°F and above propane has to be below \$1.65 to be competitive with an electric heat pump.

High quality variable speed heat pumps can provide 100% capacity at 5F and near 100% capacity at -17°F providing the ultimate savings potential and choice.

