TURCOTTE - THE PIONEER OF THE HEAT PUMP IN QUEBEC

FRANÇAIS

CENTRAL INVERTER HEAT PUMP TURBOFIN

Developed for the Quebec climate

Designed and developed for low temperatures, with an operating range between -30°C ≈ 55°C.

INVERTER HEAT PUMP

Equipped with a compressor, a internal fan motor and external variable speed.

Up to 30 SEER*
Up to 4.88 COP
in heating mode*.

*Tests carried out according to AHRI 210/240 standard.

UNIQUE CHARACTERISTICS

Wi-Fi connection, allows you to control the temperature and the mode of operation of anywhere.

Quick response from compressor heating or cooling of the house in a few minutes in mode 3.

Made in Quebec.

MORE ECONOMIC THAN GEOTHERMAL

Intelligent operating logic. Increases thermal comfort by avoiding temperature variations and reducing energy costs.

LOW COST COMPARED TO OTHER TYPES OF RESIDENTIAL HEATING SOURCES

Developed for the Quebec climate

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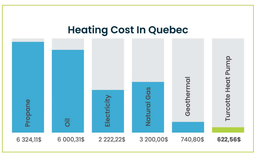
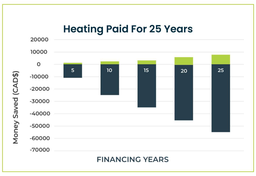


Statistics based on a 1600 ft² old – 100GJ. All applicable fees except taxes. Calculation source: www.nrcan.gc.ca

MORE EFFICIENT THAN GEOTHERMAL AND 4X CHEAPER TO PURCHASE!

Considering a 25-year loan, with an interest rate of 7%, the money saving with the TURCOTTE heat pump is obvious than with geothermal energy.



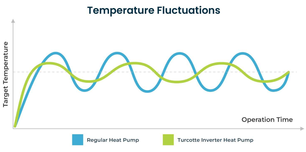
EASY-TO-USE THERMOSTAT

Modes: Heating, Cooling and Ventilation.

Three operating modes:
1.5 TON (1), 2 TON (2) and 3 TON (3).

WiFi connection.

MUCH LOWER TEMPERATURE FLUCTUATIONS



Turcotte

Our mission

We are committed to ensuring the well-being of our employees, creating jobs, achieving customer satisfaction, and exercising our social responsibility as a company.

Our vision

As the only Quebec and Canadian manufacturing company specializing in residential heat pumps, we strive to offer products with very high energy efficiency, ecological (zero carbon) and

adapted to our climate. As a manufacturer of swimming pool heat pumps, our goal is to stay at the cutting edge of technology while providing top-notch professional service.

Our values

We are guided on a daily basis by a passion for energy saving and attentive listening to our customers.

The pioneer of the heat pump in Quebec

Laboratory

Since 1986, we have established a constantly improving laboratory to design high-performance, efficient and energy-saving products. Our laboratory allows us to test our units in temperature conditions ranging from -15 to 45 degrees Celsius, with precise humidity control.

Inverter Technology

An inverter heat pump is a heating and cooling system that uses inverter technology to regulate compressor speed and adjust heating or cooling capacity based on actual needs. The main characteristic of the inverter heat pump is the use of a variable speed compressor. Unlike traditional systems that operate at a constant speed, an inverter compressor can adjust its speed continuously to meet heating or cooling needs more precisely. By adjusting the compressor speed, the inverter heat pump can modulate the power output to match the actual heat load of the home. This makes it possible to maintain a stable temperature more efficiently to optimize energy consumption by avoiding frequent starts and stops of the compressor. This reduces power consumption, thereby improving the energy efficiency of the system.

The Turcotte inverter heat pump is equipped with multiple probes and pressure sensors that measure operating conditions in real time. This data is used to dynamically adjust the speed of the compressor as well as the indoor and outdoor fan motors. The continuous regulation of the compressor speed allows the heat pump to quickly adapt to changes in ambient conditions, thus ensuring constant comfort inside the house as well as energy savings. It is this ability to adjust that gives the Turcotte Heat Pump the status of a complete Full Inverter system.

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