TEMPSTAR®
Heating and Cooling Products

Ion™ 20 and 23 Fully Variable-Speed

HEAT PUMPS

YEAR-ROUND INDOOR COMFORT

featuring R454B

Ion 20 and 23
with SmartSense™ Technology
T5H0V, T5H3V

COMFORT WITH CONFIDENCE

When you choose Tempstar heating and cooling equipment, it means your home comfort is backed by advanced engineering and quality manufacturing so you can enjoy more important things. Each unit is 100% run tested, and we design our products to give you exceptional quality, energy efficiency and reliability. We deliver products that deliver home comfort you can enjoy with confidence.

WHAT MATTERS IN AN HEAT PUMP?

ENERGY SAVINGS

SEER2 (Seasonal Energy Efficiency Ratio) measures the cooling efficiency of air conditioners and heat pumps during an average cooling season. HSPF2 (Heating Seasonal Performance Factor) measures the heating efficiency of heat pumps. For each of these ratings, the higher the number, the greater the potential for energy savings. The Ion 23 system heat pump offers ENERGY STAR® qualified performance with efficiencies as high as 23 SEER2 and 10.0 HSPF2.

CONSISTENT COMFORT

To keep comfort consistent, our T5H0V and T5H3V split system heat pumps operate with a multi-speed fan motor and include SmartSense technology that automatically selects the proper cooling stage and compressor and fan speed as needed. These models better match changing conditions to provide more uniform comfort and higher energy efficiency than standard models.

CONVENIENCE

For the ultimate of comfort, efficiency, and convenience, include the Ion Black System Control with Wi-Fi® capability in your system.

QUIET OPERATION

Enjoy comfort AND quiet – The Ion 20 and 23 heat pumps run much quieter than traditional two-stage units due to nearly continuous stretches of low-stage operation. In addition, the unit's compressor includes a sound jacket for quieter performance .

ENVIRONMENT

With R-454B refrigerant, Tempstar proudly displays our commitment to environmental stewardship. It's a refrigerant that delivers a 75% decrease in global warming potential while maintaining the non-ozone depleting properties of R-410A.

PEACE OF MIND

Rest easy with a 10-year parts limited warranty upon timely registration. And get additional peace of mind with our 10-year No Hassle Replacement Limited Warranty™.

ION 20 AND 23 HEAT PUMPS WITH SMARTSENSE TECHNOLOGY

The Ion 20 and 23 Heat Pumps with SmartSense Technology offers our best heating and cooling comfort. The SmartSense Technology quietly delivers our highest efficiency heating and cooling, enhanced humidity control and even comfort levels, all in a smaller package. When it's installed as part of a complete Ion communicating system, your home will operate at exceptional comfort levels no matter the temperature outside.

Savings

The Ion 20 and 23 Heat Pumps with SmartSense Technology deliver our best, energy-saving comfort. By stepping up to variable-speed technology, you can save energy while enjoying nearly continuous comfort. Operating much like adaptive cruise control in your car, Tempstar variable-speed heat pumps with SmartSense Technology make many small variations to speed as conditions change so your system maintains steady temperature and humidity for your home. When installed as part of a complete Ion communicating system, this heat pump will adjust itself to run efficiently based on the needs of the home, saving you energy.

Steady, Quiet Comfort

Whether it's quiet summer days on the patio or fall evenings under the stars, your comfort will stay uninterrupted with SmartSense Technology. It runs much quieter than traditional single- or two-stage units, so your time outside is peaceful. During warmer months it runs at lower, more efficient speeds in between cooling cycles, providing your home with consistent humidity control and comfort.

smartsense™ TECHNOLOGY

Easy

The Ion 20 and 23 Heat Pumps with SmartSense Technology operate best when matched with a compatible, communicating indoor unit and the Wi-Fi-enabled Ion Black System Control. All of the components of this communicating system work together to deliver exceptional comfort and energy efficiency. Just set your preferred temperature and let the Ion system do the thinking for you, automatically adjusting for outstanding performance. And, with a Wi-Fi-connected Ion Black System Control, you can control your settings from anywhere in the Internet-connected world with an iOS® or Android™ smart device and the Ion Home mobile app. As a result, your home can always be at your desired comfort level when you walk through the door.

NO HASSLE REPLACEMENT LIMITED WARRANTY™

See warranty certificate for details.

EXCEPTIONAL PEACE OF MIND

Our No Hassle Replacement limited warranty backs every Tempstar Ion System product. It means comfort with no questions. We'll replace your unit if the compressor or coil fails within the covered period.* This provides extra coverage in addition to a 10-year parts limited warranty.**

COMPONENTS OF A COMPLETE TEMPSTAR SYSTEM

We offer a complete family of products designed to provide year-round comfort, control and efficiency. A Tempstar split-system heat pump is a properly matched combination of an outdoor heat pump and a separate indoor unit such as a natural gas, oil, propane or electric furnace or a fan coil. Your Tempstar dealer can help create a properly matched system to best fit your needs and your budget.

Ion Black System Control

Ion Series Gas Furnaces

Ion Series Fan Coils

Evaporator Coils

ION SYSTEM HEAT PUMPS

Our Ion System heat pumps can deliver cool relief from soaring outdoor temperatures and efficient, warm indoor comfort when the outside air turns cooler. From our exceptionally quiet and humidity-controlling fully variable-speed models with SmartSense technology to our single and two-stage models, Tempstar offers a solution for year-round comfort during the warm and cool seasons. No matter your comfort needs, Tempstar has a heat pump for your home.

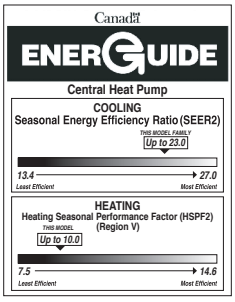
	ION SYSTEM				PERFORMANCE SERIES	
Tempstar Heat Pump Options	**T5H3V**	**T5H0V**	**T5H8T**	**T5H6S**	**N5H8T**	**N5H5S**
Comfort Features						
Summer Dehumidification	Best	Best	Best	Better	Good	Good
Temperature Control	Best	Best	Best	Better	Good	Good
Efficiency						
Cooling SEER2	Up to 23.0	Up to 20.0	Up to 18.0	Up to 16.5	Up to 18.0	At 15.2
Electric Heating HSPF2	Up to 10.0	Up to 9.5	Up to 8.5	Up to 7.8	Up to 8.5	Up to 7.8
Design Features						
Ion Communicating System Compatible	•	•	•	•		
Compressor Stages	Variable	Variable	2	1	2	1
Compressor Sound Jacket	•	•	•	•		
Coastal Model Available					•	•
Peace of Mind						
10-Year Parts Limited Warranty**	•	•	•	•	•	•
No Hassle Replacement Limited Warranty*	10-Year	10-Year	10-Year	5-Year		

Many models are ENERGY STAR® qualified. Ask your contractor for details or visit www.energystar.gov.

* See warranty certificate for complete details and exclusions.

** Timely registration required for 10-year parts limited warranty. Limited warranty period is five years for parts if not registered within 90 days of installation except in jurisdictions where warranty benefits cannot be conditioned upon registration. Please see warranty certificate for further details and restrictions

All systems tested and listed by the appropriate agencies.



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ISO 9001: 2015 certified

TEMPSTAR®
Heating and Cooling Products

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A Proud Member of the Carrier Family

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T5H3V, T5H0V Series
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