

Tempstar® Variable-Speed Inverter Heat Pumps



**Ion™ 18 Heat Pump with
SmartSense™ Technology
TVH8**

TEMPSTAR®
Heating and Cooling Products
Quality you can feel.



Built with strength

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.



TVH8 Ion™ 18 Heat Pump with SmartSense™ Technology

- Up to 19 SEER cooling efficiency
- Up to 11 HSPF heating efficiency
- Variable-speed compressor for quiet and efficient operation
- Enhanced summer dehumidification
- High leaving air temperatures in the cold months for increased comfort
- Multi-speed fan motor for even temperatures
- Communicating capability
- 10-year No Hassle Replacement™ limited warranty*
- 10-year parts limited warranty (upon timely registration)**

ION™ 18

HEAT PUMP

WITH SMARTSENSE™ TECHNOLOGY

The Ion 18 Heat Pump 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 18 Heat Pump with SmartSense Technology delivers our best, energy-saving comfort at a cost comparable to a two-stage unit. 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 inverter products 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 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. And during cooler months, you'll experience higher leaving air temperatures for a steady, warming comfort.

Easy

The Ion 18 Heat Pump with SmartSense Technology is at its best when matched with a compatible, communicating indoor unit and the Wi-Fi®-enabled Ion™ 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 System Control, you can control your settings from anywhere in the Internet-connected world with an iOS® or Android™ smart device and the My Ion app. As a result, your home can always be at your desired comfort level when you walk through the door.

smartsense
TECHNOLOGY

Efficiency ratings – what do they mean?



Seasonal Energy Efficiency Ratio (SEER)

Measures the cooling efficiency of air conditioners and heat pumps during an average cooling season. The higher the SEER, the greater the energy economy.



Energy Efficiency Rating (EER)

Measures the cooling efficiency of air conditioners and heat pumps during a set temperature (95° F).



Heating Seasonal Performance Factor (HSPF)

Measures the heating efficiency of heat pumps. The higher the HSPF, the greater the efficiency and energy savings potential during heat pump heating.



ENERGY STAR®

A U.S. Environmental Protection Agency program to identify and promote energy-efficient products in order to reduce energy consumption.



| | ION™ SYSTEM | | | |
|--|-----------------|------------------|-----------------|------------------|
| Tempstar® Split System Heat Pump Options | TVH8 | TCH6 | TSH5/ TSH6 | TSH4 |
| Comfort Features | | | | |
| Summer Dehumidification | Best | Best | Better | Better |
| Temperature Control | Best | Best | Better | Better |
| Efficiency | | | | |
| Cooling SEER | Up to 19 | Up to 17 | Up to 16 | Up to 15 |
| Electric Heating HSPF (Heat Pumps only) | Up to 11 | Up to 9.5 | Up to 9 | Up to 8.2 |
| Design Features | | | | |
| Ion™ System Compatible | • | • | • | • |
| Compressor Stages | Variable | 2 | 1 | 1 |
| Compressor Sound Jacket | • | • | • | • |
| Multi-Speed Fan Motor | • | | | |
| Peace of Mind | | | | |
| 10-Year Parts Limited Warranty** | • | • | • | • |
| No Hassle Replacement™ Limited Warranty* | 10-yr | 10-yr | 5-yr | 3-yr |

Backed by exceptional warranties

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.**

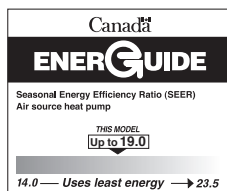


Many models are ENERGY STAR® qualified. Ask your contractor for details or visit www.energystar.gov.

* See No Hassle Replacement limited 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.



ISO 9001: 2000 Registered

TEMPSTAR®
Heating and Cooling Products

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