

# Tempstar® Split System Heat Pumps



**Ion™ System**  
**TSH4/TSH5/TSH6/TCH6/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 give you the most in home comfort so you can enjoy comfort with confidence.

## 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.\*\*



See warranty certificate for details.



Timely registration required. See warranty certificate for details and restrictions.

## ION SYSTEM HEAT PUMPS

The Ion System heat pumps offer our best comfort in every season, from our highest featured Ion™ communicating system to our more budget-friendly. With available features like single, two-stage and variable-speed compressors, as well as multi-speed fan motors, and sound-reducing compressor jackets, there's a heat pump for every home.

\* See No Hassle Replacement limited warranty certificate for complete details and exclusions.

\*\* To the original owner, Tempstar products are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is five years if not registered within 90 days of installation except in jurisdictions where warranty benefits cannot be conditioned upon registration. See warranty certificate for complete details.

## WHAT IS A SPLIT SYSTEM HEAT PUMP?

Tempstar split system heat pumps are designed for durability and comfort. Properly matched combinations of an outdoor heat pump and a separate indoor unit can be customized to provide cooling, electric heating, and/or gas heating. By combining the appropriate indoor unit with a matching outdoor unit, various combinations of cooling and heating methods can be created for a custom combination of comfort, efficiency and economy.



Heat Pump

## WHAT SETS TEMPSTAR® HEAT PUMPS APART?

- 1. Quiet**—The two-stage scroll compressor (TCH6 only) is designed to operate most of the time at the quieter, lower stage, changing over to the higher stage only when necessary. A deluxe sound blanket also reduces compressor sound levels.
- 2. Durable**—The painted, galvanized steel cabinet features a powder-coat, baked-on finish over galvanized steel with narrower spacing to provide exceptional protection as it allows for proper airflow and easy coil cleaning.
- 3. Efficient**—The scroll compressor and the 7 mm copper tubing with aluminum fin coils work collectively to save on energy.
- 4. Smooth Operation**—The multi-speed fan motor (TVH8 only) is designed to operate most of the time at the quieter, lower speed. Aerodynamic air discharge design reduces operating sounds.
- 5. Ion™ System Control**—Ion System heat pumps can be teamed with our innovative Ion System communicating control, offering full-color touch screen technology, and matched with Tempstar communicating gas furnaces and fan coils to create exceptional efficiency and complete comfort.

## WHAT MATTERS IN A SPLIT SYSTEM HEAT PUMP?

Get the most out of a split system by choosing the heat pump that fits your comfort needs. All of our heat pumps include comfort enhancing and durable features to deliver lasting performance. For the ultimate comfort, efficiency and convenience, ask about our Ion™ communicating system models with Wi-Fi® capability. For year-round efficiency in a unit, look for two-stage or variable-speed compressor operation. Our toughest and quietest outdoor units feature wire hail guard grilles, corner posts, and compressor sound jackets. And our No Hassle Replacement™ limited warranty is offered on our premium products to give you peace of mind.\* Tempstar® split system heat pumps offer energy efficiency, increased comfort, durable performance, and quiet operation.

## 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.

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

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



### TSH4 ION™ 14 HEAT PUMP

- 14 SEER/12.2 EER cooling
- Up to 8.2 HSPF heating
- Efficient single-stage scroll compressor
- Communicating capability
- Three-year No Hassle Replacement™ limited warranty\*
- 10-year parts limited warranty (upon timely registration)\*\*



### TSH5 ION™ 15/TSH6 ION™ 16 HEAT PUMP

- Up to 16 SEER/13 EER cooling
- Up to 9 HSPF heating
- Efficient single-stage scroll compressor
- Communicating capability
- Five-year No Hassle Replacement™ limited warranty\*
- 10-year parts limited warranty (upon timely registration)\*\*



### TCH6 ION™ 16 TWO-STAGE HEAT PUMP

- Up to 17 SEER/13.5 EER cooling
- Up to 9.5 HSPF heating
- Two-stage compressor for improved temperature and summer humidity control
- Communicating capability
- 10-year No Hassle Replacement™ limited warranty\*
- 10-year parts limited warranty (upon timely registration)\*\*



### TVH8 ION™ 18 HEAT PUMP WITH SMARTSENSE™ TECHNOLOGY

- Up to 19 SEER cooling
- Up to 11 HSPF heating
- Variable-speed compressor for the ultimate in quiet and efficient operation
- Superior 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)\*\*



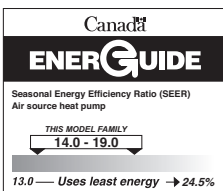
	ION™ SYSTEM			
Tempstar® Split System Air Conditioner Options	TVA9	TCA7	TSA6	TSA5
Tempstar® Split System Heat Pump Options	TVH8	TCH6	TSH5/ TSH6	TSH4
Comfort Features				
Summer Dehumidification	Best	Best	Better	Better
Temperature Control	Best	Best	Better	Better
Efficiency				
Cooling SEER	Up to 19	Up 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 (When Installed with Ion™ System Control with Wi-Fi®)	•	•	•	•
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

Many models are ENERGY STAR® qualified. Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit [www.energystar.gov](http://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. Jurisdictions where warranty benefits cannot be conditioned on registration will receive the registered limited warranty periods. Please see warranty certificate for further details and restrictions.

All systems tested and listed by the appropriate agencies.



**TEMPSTAR**  
Heating and Cooling Products

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