

## COOL INDOOR COMFORT



Ion 21  
with SmartSense™ Technology  
T5A1V







# 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 AIR CONDITIONER?

### ENERGY SAVINGS



SEER2 (Seasonal Energy Efficiency Ratio) measures the cooling efficiency of an air conditioner during an average cooling season. EER2 (Energy Efficiency Ratio) measures cooling efficiency of an air conditioner at a set temperature (95° F). For both ratings, the higher the number, the greater the potential for energy savings. The Ion 21 air conditioner offers ENERGY STAR® qualified performance with efficiencies up to 21 SEER2 and 12 EER2.

### CONSISTENT COMFORT



The fully variable-speed Ion 21 with SmartSense technology automatically selects the proper cooling stage and compressor and fan speed as needed. It better matches 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 21 runs much quieter than traditional single or 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 21 AIR CONDITIONER WITH SMARTSENSE TECHNOLOGY

The Ion 21 Air Conditioner with SmartSense Technology offers our best comfort in the warm seasons. The SmartSense Technology quietly delivers our highest efficiency 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 21 Air Conditioner 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 air conditioner will adjust itself to run efficiently based on the needs of the home, saving you energy.

### Steady, Quiet Comfort

Summer dinners on the patio are uninterrupted with SmartSense Technology. It runs much quieter than traditional two-stage units, so your evenings outside are 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 21 Air Conditioner with SmartSense Technology is at its 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 the outstanding performance. And, with the 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.



### 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 air conditioner is a properly matched combination of an outdoor air conditioner 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**



**Gas Furnaces**



**Fan Coils**



**Evaporator Coils**

ION SYSTEM AIR CONDITIONERS

Our Ion System air conditioners can deliver cool, calm relief from soaring outdoor temperatures. From our exceptionally quiet and humidity-controlling fully variable-speed models with SmartSense technology to our single- and two-stage models that offer dependable comfort during warm weather, Tempstar Ion System air conditioners include features like available variable-speed scroll compressors, available multi-speed fan motors, and sound-reducing components and designs. Regardless of which model is right for you, we have an air conditioner for every home.

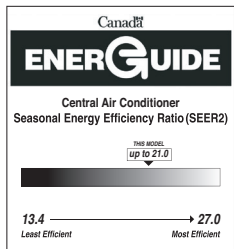
	ION SYSTEM		
Tempstar Air Conditioner Options	T5A1V	T5A8T	T5A6S
Comfort Features			
Summer Dehumidification	Best	Best	Better
Temperature Control	Best	Best	Better
Efficiency			
Cooling SEER	Up to 21	Up to 18	Up to 16.5
Design Features			
Ion Communicating System Compatible	•	•	•
Compressor Stages	Variable	2	1
Compressor Sound Jacket	•	•	•
Multi-Speed Fan Motor	•		
Peace of Mind			
10-Year Parts Limited Warranty**	•	•	•
No Hassle Replacement Limited Warranty*	10-Year	10-Year	5-Year

Many models are ENERGY STAR® qualified. Ask your contractor for details or visit [www.energystar.gov](http://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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