

Ion™ 21 Fully Variable-Speed

# AIR CONDITIONER

# COOL INDOOR COMFORT



featuring

**R454B**

Ion 21  
with SmartSense™ Technology  
C5A1V







# COMFORT WITH CONFIDENCE



When you choose Comfortmaker 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 ION 21 AIR CONDITIONER?

### ENERGY SAVINGS



The Ion 21 Air Conditioner with SmartSense Technology delivers our best, energy-saving comfort. By stepping up to variable-speed technology, you can save energy while enjoying nearly continuous comfort. The Ion 21 air conditioner better matches changing conditions to provide more uniform comfort and higher energy efficiency than standard models. The Ion 21 air conditioner offers ENERGY STAR® qualified performance with efficiencies up to 21 SEER2 and 12 EER2.

### CONSISTENT COMFORT



Operating much like adaptive cruise control in your car, Heil variable-speed air conditioners with SmartSense Technology make many small variations to speed as conditions change so your system maintains steady temperature and consistent humidity control and comfort for your home.

### CONVENIENCE



For the ultimate of comfort, efficiency, and convenience, include the Ion Black System Control with Wi-Fi® capability in your system. Just set your preferred temperature and let the Ion system do the thinking for you, automatically adjusting for outstanding performance.

### 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, Comfortmaker 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™.

## WHAT SETS COMFORTMAKER ION 21 AIR CONDITIONERS WITH SMARTSENSE TECHNOLOGY APART?

### Variable Frequency Drive

- Powers the compressor and controls communication between components to optimize comfort and efficiency

### SmartSense™ Technology

- allows the unit to operate in longer cycles and make many small variations to work more efficiently and deliver continuous comfort.

### Variable-speed compressor

- Truly variable-speed compressor operation, providing our best temperature and summer humidity control

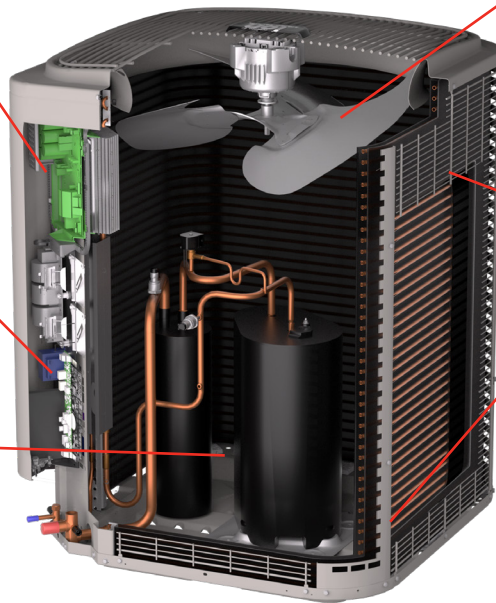
### Variable-speed fan

- works with the compressor for best levels of quiet, efficient operation. Swept fan blade design improves airflow, enhances performance and reduces sound levels.

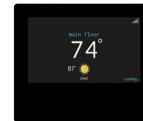
### Weather and debris protection

- Durably built with tight wire grille and protective corner posts to withstand bad weather and debris

**Ion Black Control** - Wi-Fi® enabled remote access with the Ion™ Black System Control.<sup>1</sup> Allows precise temperature control and humidity control along with programmable features to further customize your comfort.



**smartsense**  
TECHNOLOGY



### EXCEPTIONAL PEACE OF MIND

Our No Hassle Replacement limited warranty backs every Comfortmaker 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 COMFORTMAKER ION COMMUNICATING SYSTEM

We offer a complete family of products designed to provide year-round comfort, control and efficiency. A Comfortmaker 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 Comfortmaker dealer can help create a properly matched system to best fit your needs and your budget.



**Ion Black  
System Control**



**Gas Furnaces**



**Communicating  
Air Handler**



**Air Purifier  
(Optional)**

## 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, Comfortmaker 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 SERIES			PERFORMANCE SERIES		
Comfortmaker Air Conditioner Options	C5A1V	C5A8T	C5A6S	N5A8T	N5A5S	N5A4S
<b>Comfort Features</b>						
Summer Dehumidification	Best	Best	Better	Better	Good	Good
Temperature Control	Best	Best	Better	Better	Good	Good
<b>Efficiency</b>						
Cooling SEER2	Up to 21	Up to 18	Up to 16.5	Up to 18	Up to 16.5	Up to 16
<b>Design Features</b>						
Ion Communicating System Compatible	•	•	•			
Compressor Stages	Variable	2	1	2	1	1
Compressor Sound Jacket	•	•	•			
Coastal Model Available				•	•	
Multi-Speed Fan Motor	•					
<b>Peace of Mind</b>						
10-Year Parts Limited Warranty <sup>1</sup>	Yes	Yes	Yes	Yes	Yes	Yes
No Hassle Replacement Limited Warranty <sup>2</sup>	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).

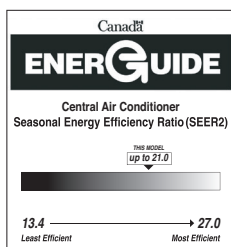
\* See warranty certificate for complete details and exclusions.

\*\* 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.



As an ENERGY STAR® partner, Carrier Corporation has determined that qualifying models meet ENERGY STAR guidelines for energy efficiency. Ask your dealer for details or visit [www.energystar.gov](http://www.energystar.gov).

All systems tested and listed by the appropriate agencies.



ISO 9001: 2015 certified



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[Comfortmaker.com](http://Comfortmaker.com)

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*A Proud Member of the Carrier Family*

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C5A1V Series

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