

Ion™ 20 and 23 Fully Variable-Speed

HEAT PUMPS

YEAR-ROUND INDOOR COMFORT



featuring

R454B

Ion 20 and 23
with SmartSense™ Technology
C5H0V, C5H3V





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 ION 20 AND 23 HEAT PUMPS?

ENERGY 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. These models better match changing conditions to provide more uniform comfort and higher energy efficiency than standard models. The Ion 23 system heat pump offers ENERGY STAR® qualified performance with efficiencies as high as 23 SEER2 and 9.5 HSPF2.

CONSISTENT COMFORT



Operating much like adaptive cruise control in your car, Comfortmaker variable-speed heat pumps 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 20 and 23 heat pumps run 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 20 AND 23 HEAT PUMPS WITH SMARTSENSE TECHNOLOGY APART?

Variable Frequency

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

Advanced electronic

control - quietly switches between heating, cooling and defrost modes

Variable-speed

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

Variable-speed

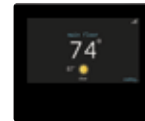
fan - works with the compressor for best levels of quiet, efficient operation. Swept fan blade design improves airflow, enhances performance and reduces sound levels.

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.¹ Allows precise temperature control and humidity control along with programmable features to further customize your comfort.

smartsense
TECHNOLOGY

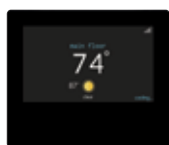


EXCEPTIONAL PEACE OF MIND

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

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. When this heat pump is installed as part of a complete Ion communicating system, your home will operate at exceptional comfort levels no matter the temperature outside.



**Ion Black
System Control**



**Ion Series
Gas Furnaces**



**Ion Series
Fan Coils**



**Air Purifier
(Optional)**

¹ Wi-Fi® is a registered trademark of the Wi-Fi Alliance Corporation.

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, Comfortmaker offers a solution for year-round comfort during the warm and cool seasons. No matter your comfort needs, Comfortmaker has a heat pump for your home.

	ION SYSTEM				PERFORMANCE SERIES	
Comfortmaker Heat Pump Options	C5H3V	C5H0V	C5H8T	C5H6S	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 18.5	Up to 16.5	Up to 18.5	Up to 16.0
Electric Heating HSPF2	Up to 9.5	Up to 9.5	Up to 8.5	Up to 8.5	Up to 8.5	Up to 8.1
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.

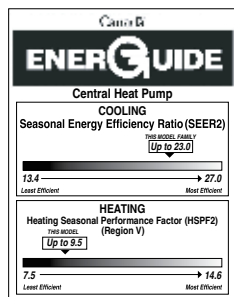
* See warranty certificate for complete details and exclusions.

** 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



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.

All systems tested and listed by the appropriate agencies.



ISO 9001: 2015 certified



PO Box 128
Lewisburg, TN 37091
Comfortmaker.com

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A Proud Member of the Carrier Family

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C5H3V, C5H0V Series
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