



Ion™ System

# HEAT PUMP

# YEAR-ROUND INDOOR COMFORT



Ion System  
Models CVH8, C4H7T, C4H5S



# COMFORT WITH CONFIDENCE



Choose Day & Night heating and cooling equipment so you can enjoy comfort with confidence. Our products deliver exceptional quality, reliability and energy efficiency, backed by time-tested engineering and leading-edge manufacturing. Every unit we make passes a performance check in all phases of operation before it leaves our facility. We call this 100% run testing, and it's one more example of how Day & Night goes the extra mile for your satisfaction.

## WHAT MATTERS IN A HEAT PUMP?

### ENERGY SAVINGS



SEER2 (Seasonal Energy Efficiency Ratio) measures the cooling efficiency of air conditioners and heat pumps during an average cooling season. EER2 (Energy Efficiency Ratio) measures cooling efficiency at a set temperature (95° F). HSPF2 (Heating Seasonal Performance Factor) measures the heating efficiency of heat pumps. For each of these ratings, the higher the number, the greater the potential for energy savings. Most Ion System heat pumps offer ENERGY STAR® qualified performance with efficiencies as high as 18 SEER2/12.0 EER2/9.0 HSPF2.

### CONSISTENT COMFORT



Two-stage/two-speed and variable-speed models with SmartSense™ technology automatically select the proper cooling stage and compressor and fan speed as needed. These models better match 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 communicating wall control with Wi-Fi® capability in your system.

### QUIET OPERATION



Enjoy comfort AND quiet – our outdoor units include compressor sound jackets for quieter performance, and our variable-speed models reduce sound even more with nearly continuous stretches of low-stage operation.

### PEACE OF MIND



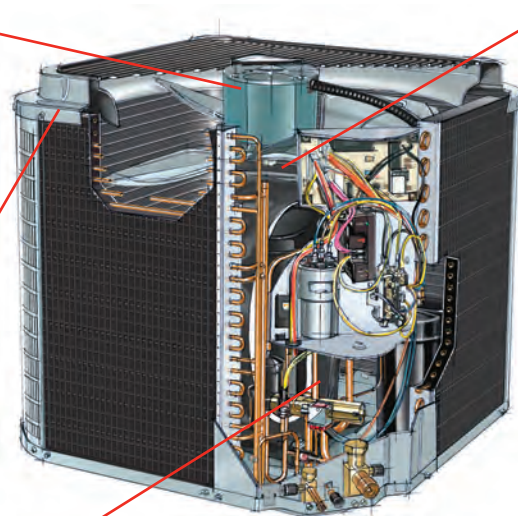
Rest easy with a 10-year parts limited warranty upon timely registration. And, our Ion System products provide additional peace of mind with our No Hassle Replacement limited warranty™.

## WHAT SETS DAY & NIGHT ION HEAT PUMPS APART?

**Smooth Operation** – The multi-speed fan motor (CVH8 only) is designed to operate most of the time at the quieter, lower speed. Aerodynamic air discharge design reduces operating sounds.

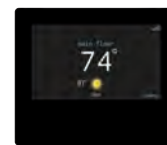
**Durable** – The painted, galvanized steel cabinet features a powder-coat, baked-on finish and narrower grille spacing to provide exceptional protection, proper airflow and easy coil cleaning.

**Quiet** – The two-stage scroll compressor (C4H7T only) is designed to operate most of the time at the quieter, lower stage. As outdoor temperatures rise and additional cooling is required, it changes over to high-stage operation. A deluxe sound blanket also reduces compressor sound levels.



**Ion System Heat Pump**

**Efficient** – The scroll compressor and the 7 mm welded aluminum fin coils work collectively to save on energy.



**Ion System Control** – Ion System heat pumps can be teamed with our innovative Ion System communicating control, offering full-color touch screen technology. They can also be matched with Day & Night communicating gas furnaces (for dual-fuel applications) and fan coils to create exceptional efficiency and complete comfort.

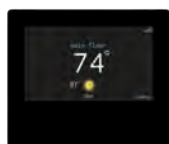


### EXCEPTIONAL PEACE OF MIND

Our No Hassle Replacement limited warranty backs every Day & Night 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 DAY & NIGHT SYSTEM

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



### Ion System Control

Pair with our communicating indoor or outdoor units and zoning system for a complete Ion™ Comfort System.



### Gas Furnace

Provides efficient, reliable heating for lasting comfort and potential energy savings.



### Fan Coil

Works with your outdoor unit to efficiently deliver comfortable air through out your home.



### Evaporator Coil

Matches to the proper outdoor unit to provide more cooling efficiency and years of reliable service.



### Air Purifier

Our patented Captures and Kills® technology treats 100% of the air flowing through your system.+

+ Based on third-party testing (2012) showing 95% of particles size 1.0 to 3.0 microns captured. Based on third-party testing (2012, 2007) showing > 99% kill rate for common cold surrogate, Streptococcus pyogenes and human influenza.



## 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 variable-speed Ion models with SmartSense technology to our single and two-stage models, Day & Night offers a solution for year-round comfort during the warm and cool seasons. Regardless of which model is right for you, we have a heat pump for every home.

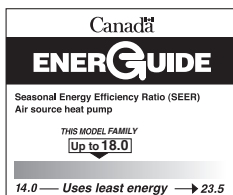
Day & Night Heat Pump Options	ION SYSTEM			PERFORMANCE SERIES	
	CVH8	C4H7T	C4H5S	N4H7T	N4H5S
<b>Comfort Features</b>					
Summer Dehumidification	Best	Best	Better	Better	Better
Temperature Control	Best	Best	Better	Better	Better
<b>Efficiency</b>					
Cooling SEER2	Up to 18	Up to 17	Up to 15.2	Up to 17	At 15.2
Electric Heating HSPF2	Up to 9	Up to 8.1	Up to 8.1	Up to 8.1	Up to 8.1
<b>Design Features</b>					
Ion Communicating System Compatible	•	•	•		
Compressor Stages	Variable	2	1	2	1
Compressor Sound Jacket	•	•	•		
Multi-Speed Fan Motor	•				
7mm Welded Aluminum Coil		•		•	
<b>Peace of Mind</b>					
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.



ISO 9001: 2015 certified



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A Proud Member of the Carrier Family

HP-002-DN-00  
01/2023  
CVH8, C4H7T, C4H5S Series  
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