



# RSXC Series

Cold Climate Packaged Terminal Heat Pumps



PTHP

# RSXC Series

## Heat Pump Performance Redefined With All Electric, All Climate Comfort.

Ice Air RSXC Series Cold Climate PTHPs are efficient, sustainable, heat pumps designed for cold climate energy efficiency. Ice Air provides the best of both worlds – giving you the performance of a Variable Refrigerant Flow (VRF) system with the convenience of a PTAC.



Ice Air's RSXC models are AHRI certified. RSXC models include a variable speed compressor for optimal comfort. Heating performance is lab tested and certified down to -5°F, with a theoretical lower limit of -25°F for heating.



The RSXC Series complies with the NEEP Cold Climate Air Source Heat Pump (ccASHP) efficiency requirements. The Northeast Energy Efficiency Partnerships (NEEP) product listing identifies products best suited to electrify heating in cold climates.



The RSXC Series produce superior energy savings, which is especially important to satisfy the NYC Law 97 and other laws throughout the U.S., as well as helping projects comply with green building rating systems such as LEED®.



Rebates, incentives, and tax credits may be available through state, federal, and local utility programs.

For additional information scan the code → or visit: [ice-air.com/rebates/](https://ice-air.com/rebates/)



Ice Air RSXC units fit in a standard size wall sleeve (42" wide x 16" high) and use a sustainable R32 refrigerant.

### SPECIFICATION NOTES:

- Cooling mode performance ratings are in compliance with AHRI Standard 310/380 and CSA Standard 744.
- Heating mode performance ratings are in compliance with AHRI Standard 310/380 and CSA Standard 744.
- (OPTIONAL) If back-up electric heat is required, customer has choice of manual trigger switch OR automatic changeover at -5°F (±3°F) with manual switch override.
- Units without electric heat will operate below -5°F with derated performance. Performance below -5°F has not been certified.
- Electric heat is recommended in markets that may experience ambient temperatures below -5°F
- Performance data based on R32 green refrigerant.

### IMPORTANT:

Additional voltages and alternate electric heat and heat pump options are available. For performance data and other available options please consult factory.

\* Smart app module must be purchased separately.

Due to Ice Air's ongoing product development programs, the information in this document is subject to change without notice.

RSXC Series use advanced VRF technology to ensure the unit is pinpointing the exact amount of heating or cooling required for desired room conditions. The use of enhanced vapor injection (EVI) compressors allow Ice Air's PTHP units to operate to extreme low temperatures.

**Eco-friendly:** Operating in heat pump mode during the winter months without the need for electric heat, reducing emissions and energy consumption.

**On-demand Operation:** Variable speed compressors modulate output based on room demand.

**Fresh Air:** Outside air options are available for room conditioning.

**Steel, not plastic, for a lasting impression:** Chassis is concealed by a steel enclosure with a beautiful Designer-Grade baked powder coat finish.

**Enhanced Control Options:** Each RSXC unit comes standard with Habitat Wireless Thermostat with smart control capabilities.\*

### Features:

- Sustainable R32 refrigerant
- Highest levels of energy efficiency in the market
- Industry best sound levels
- Heating performance laboratory tested and certified to -5°F
- The theoretical lower limit for heating operation is -25°F ambient
- Fits within a standard size wall sleeve (42" W x 16" H)

SERIES MODEL #	8RSXC09	8RSXC13	8RSXC18
Cooling Capacity <sup>1</sup> (BTU/h)	9,200	12,500	16,300
Cooling Capacity Range (BTU/h)	6,300 - 11,800	6,500 - 14,900	7,300 - 18,000
EER <sup>1</sup>	12.1	11.1	10.0
Heating Capacity <sup>2</sup> (BTU/h)	10,300	13,700	17,900
Heating Capacity Range (BTU/h)	8,700 - 12,600	9,000 - 14,700	10,900 - 19,300
COP <sup>2</sup>	4.1	3.7	3.0
HSPF <sup>2</sup>	9.6	9.5	9.0
Voltage	208	208	208
Electric Heater Power <sup>3</sup> (kW)	3.0   3.5	3.0   3.5   4.3	3.0   3.5   4.3
Electric Heater Current <sup>3</sup> (A)	14.4   16.8	14.4   16.8   20.7	14.4   16.8   20.7
Cooling Mode Current (A)	3.7	5.4	7.8
Cooling Mode Power (W)	760	1,126	1,630
Heating Mode Current (A)	3.5	5.2	8.4
Heating Mode Power (W)	737	1,086	1,750
MCA (without Electric Heat)	7.9	9.9	12.9
MOCP (without Electric Heat)	15	15	15
MCA (with Electric Heat)	18.4   21.5	18.4   21.5   26.4	18.4   21.5   26.4
MOCP (with Electric Heat)	20   25	20   25   30	20   25   30
Evaporator Motor Nominal HP	1/25	1/25	1/25
Airflow (CFM)	380	400	480
Airflow Outside (CFM)	60	60	60
Weights (lbs)	127	134	151
Low Ambient Performance			
Heating Capacity @ 10°F	6,600	7,700	11,600
COP @ 10°F	2.20	2.14	2.02
Heating Capacity @ 5°F	6,100	6,900	10,600
COP @ 5°F	1.98	1.91	1.93
Heating Capacity @ -5°F	5,500	6,400	8,100
COP @ -5°F	1.74	1.62	1.60

## Electrified Product Family



\* By making energy-saving upgrades today, you can give your building a head start on upcoming changes to city regulations such as NYC Law 97.

### RSXC Series\*

Cold Climate PTHPs give you the performance of a VRF system with the convenience of a PTAC. Using breakthrough cold climate technology allows Ice Air PTHPs to efficiently provide space heating down to -5°F and below.



### iCool XC\*

iCool XC heat pumps are compact, with advanced, two-stage dual heating capabilities (partial cold climate operation down to 23°F then supplemental electric heat resistance for increased output).



### SPXC Series\*

Cold Climate SPHPs are self-contained, concealed, ducted systems. This line of vertical packaged heat pumps serves multiple spaces through concealed ductwork to efficiently provide space heating to -5°F and below.



### HPWH Series\*

Air-Source Cold Climate Heat Pump Water Heaters capture the free energy in the environment and convert it to hot water. These units are certified to operate down to -13°F.



### HPWH-SC Series\*

Air-Source Cold Climate heat pump chiller heaters capture free energy in the environment to provide both hot and chilled water. These units are certified to operate down to -13°F.



### VSHPGE Geothermal\*

Ice Air's Geothermal WSHP is a versatile geothermal heat pump that is available in a range of sizes and configurations for convenient installation. Fully compatible with geothermal conditions, it provides an ideal solution for whisper quiet cooling and heating within a tight footprint.



## Habitat Smart Technologies



The Habitat Thermostat's unique wireless mesh technology allows smart temperature control over the space it is monitoring. Transform a Fan Coil Unit into a state-of-the-art heating and cooling unit without opening walls to run wires.

Compatible with Nexus Home Automation Products **nexus** Equipment Management System™

## Other Products

### FCU

#### Fan Coil Units



This simple and easy cooling and heating solution provides reliable performance, high efficiency, ease of operation, low cost, easy installation, quiet comfort and a variety of solution-based options.

### HWCAC

#### Hybrid Water-Cooled Air Conditioners



HWCACs provide hydronic heat without using the unit's compressor through an innovative system that combines high-efficiency cooling with a hot water coil.

### WSHP

#### Water Source Heat Pumps



WSHPs provide efficient room-by-room comfort. Units function independently and are piped to a central water loop.

### PTAC

#### Packaged Terminal Air Conditioners

PTACs are designed for ultra-high efficiency and comply with LEED® criteria in a durable, user-friendly package. Available for new construction, retrofit and ExactFit™ replacement applications.



## NEW! Ice Air CEU Webinar

Learn more about the role HVAC electrification plays in building decarbonization today at [iceairceu.com](http://iceairceu.com)