



# RSXC Series

Cold Climate Packaged Terminal Heat Pumps



**PTHP**

# RSXC Series

## Heat Pumps are Ready for the Cold

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 models are on the NEEP Cold Climate Air Source Heat Pump (ccPTHP) Product List. 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

Ice Air's RSXC Series qualifies for rebates through the New York State Clean Heat Program. Households and businesses can receive substantial rebates of up to \$2000 per unit through Con Edison electrical utilities.\*

Rebates and incentive programs are also available through other utilities and NEEPs. These programs, which exist throughout the country, help you purchase equipment to make your building more energy efficient. Please consult with your local government, utility companies and organizations like NEEP for details.

\* Con Edison rebate amounts vary on the specifics of each project. See the NYC Con Edison Program for more information.



Ice Air RSXC units fit in a standard size wall sleeve (42-inches wide x 16-inches high) and use a sustainable R-410a refrigerant.



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.

**Furniture-Grade Finish:** Chassis is concealed by a steel enclosure with a beautiful baked powder coat finish.

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

Features:

- R410A “green” 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")

Series Model #	RSXC09	RSXC13	RSXC18
<b>Cooling Capacity (Btu/hr)<sup>1</sup></b>	9,200	12,500	16,300
<b>Cooling Capacity Range (Btu/hr)</b>	6,300 - 11,800	6,500 - 14,900	7,300 - 18,000
<b>EER<sup>1</sup></b>	12.1	11.1	10.0
<b>Cooling Input (Watts)</b>	760	1,126	1,630
<b>Cooling Input (Amps)</b>	3.7	5.4	7.8
<b>Airflow (CFM)</b>	380	400	480
<b>Outside Air (CFM)</b>	60	60	60
<b>Heating Capacity (Btu/hr)<sup>2</sup></b>	10,200	12,000	17,300
<b>Heating Capacity Range (Btu/hr)</b>	5,200 - 12,600	5,600 - 14,200	9,500 - 18,700
<b>COP<sup>2</sup></b>	3.6	3.1	3.0
<b>HSPF<sup>2</sup></b>	9.6	9.5	9.0
<b>Heating Input (Watts)</b>	830	1,134	1,690
<b>Heating Input (Amps)</b>	4.0	5.5	8.1
<b>Voltage</b>	208	208	208
<b>MCA</b>	5.9	8.5	10.4
<b>MOP</b>	15	15	15
<b>Weights (lbs.)</b>	127	134	151
	Low Ambient Performance		
<b>Heating Capacity @ 10°F</b>	6,600	7,700	11,600
<b>COP @ 10°F</b>	2.2	2.14	2.02
<b>Heating Capacity @ 5°F</b>	6,100	6,900	10,600
<b>COP @ 5°F</b>	1.98	1.91	1.93
<b>Heating Capacity @ -5°F</b>	5,500	6,400	8,100
<b>COP @ -5°F</b>	1.74	1.62	1.6

**SPECIFICATION NOTES:**

1. Rated performances in cooling mode @ 80°F/67°F DB/WB Indoors and 95°F/75°F DB/WB Ambient
2. Rated performances in heating mode @ 70°F/60°F DB/WB Indoors and 47°F/43°F DB/WB Ambient
3. Optional 2.0-KW Backup Electric Heat

\* 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.

## 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.



### HPWH Series\*

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



### SPXC Series\*

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



## ICE AIR VRF



W Series



S Series



H Series

### OUTDOOR UNITS

Ice Air VRF Systems include air-cooled heat pump, air-cooled heat recovery, and water-cooled heat pump condensing units.



### INDOOR UNITS

Ice Air VRF Indoor Units are offered in a variety of different configurations to meet every application need.

## VSHPGA

## Geothermal



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

## Other Products

### FCU

#### Fan Coil Units



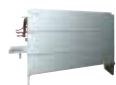
Horizontal Concealed



Horizontal Ultra Thin



Vertical Exposed



Vertical Concealed



Hi Rise

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



Vertical Closet



Horizontal



Console



Vertical Stack

The HWCAC is an innovative system that combines high-efficiency cooling with a hot water coil that provides hydronic heat without using the unit's compressor.

### WSHP

#### Water Source Heat Pumps



Vertical Closet



Horizontal



Console



Vertical Stack

WSHPs heating and cooling units provide efficient room-by-room comfort. Units function independently and are piped to a central water loop. These state-of-the-art units come with user friendly digital controls designed to optimize user comfort and ease of operation.

### SPAC/SPHP

#### Single Packaged AC/Heat Pumps



As a unique air-to-air system, SPAC/SPHPs provide versatility with ultra-quiet operation. The SPAC/SPHP is designed to

cool and heat single or multiple spaces within multi-family, lodging, dormitory or light commercial buildings.

### PTAC

#### Packaged Terminal Air Conditioners



new construction, retrofit and ExactFit™ replacement applications.

PTACs are designed for ultra-high efficiency and comply with LEED® criteria in a durable, user-friendly package. Available for



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