



## **SPXC Series**

Cold Climate Single Packaged Heat Pumps

SPAC/SPHP

# SPXC Series

## Heat Pumps Beat the Cold

A perception persists that heat pumps can't hold up in extreme cold climates such as an Upper Midwest or New England winter. With the introduction of Ice Air's breakthrough cold climate technology, our line of SPXCs would allow for efficient heat pump operation on the coldest days.

Ice Air SPXC Series Cold Climate Single Packaged Heat Pumps (SPHPs) are efficient, sustainable, heat pumps designed for cold climate. Ice Air provides **the best of both worlds** – giving you the performance of a Variable Refrigerant Flow (VRF) system with the convenience of a packaged heat pump, while providing the benefits of a ducted system. SPHPs can be hidden in a closet or behind a wall and serve multiple spaces via concealed ductwork.

SPXC 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 SPXC 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®.



With Ice Air technology, cost-effective electrification for residential new build is possible even in cold climates.



SPXC 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 SPHP units to operate to extreme low temperatures.

**Eco-friendly:** The system operates 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.

**Space-saving Design:** Unit concealed in mechanical closet saving valuable floor space.

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

Features:

- R410A “green” refrigerant
- Highest levels of energy efficiency in the market
- Supply air can be ducted for conditioning multiple rooms
- Heating performance laboratory tested and certified to -5°F
- The theoretical lower limit for heating operation is -25°F ambient
- Fully packaged chassis for self-contained conditioning

SERIES MODEL #	SPXC12	SPXC24
Cooling Capacity (Btu/hr) <sup>1</sup>	11,500	24,000
Cooling Capacity Range (Btu/hr)	9,700 - 15,700	13,900 - 25,600
EER <sup>1</sup>	13.0	11.0
Cooling Input (Watts)	884	2,182
Cooling Input (Amps)	4.3	10.4
Airflow (CFM)	400	800
Outside Air (CFM)	60	60
Outside Air with Fan Assist Option (CFM)	80	80
External Static Pressure - ESP (in.wg.)	0.3	0.3
Heating Capacity (Btu/hr) <sup>2</sup>	11,400	19,000
Heating Capacity Range (Btu/hr)	7,600 - 14,500	15,100 - 25,900
COP <sup>2</sup>	3.5	3.3
HSPF <sup>2</sup>	9.0	9.0
Heating Input (Watts)	955	1,687
Heating Input (Amps)	4.6	8.1
Voltage	208	208
MCA	9.8	18.8
MOP	15	20
Weights (lbs.)	220	360

**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. Emergency backup electric heater is offered as a factory option.

\* 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