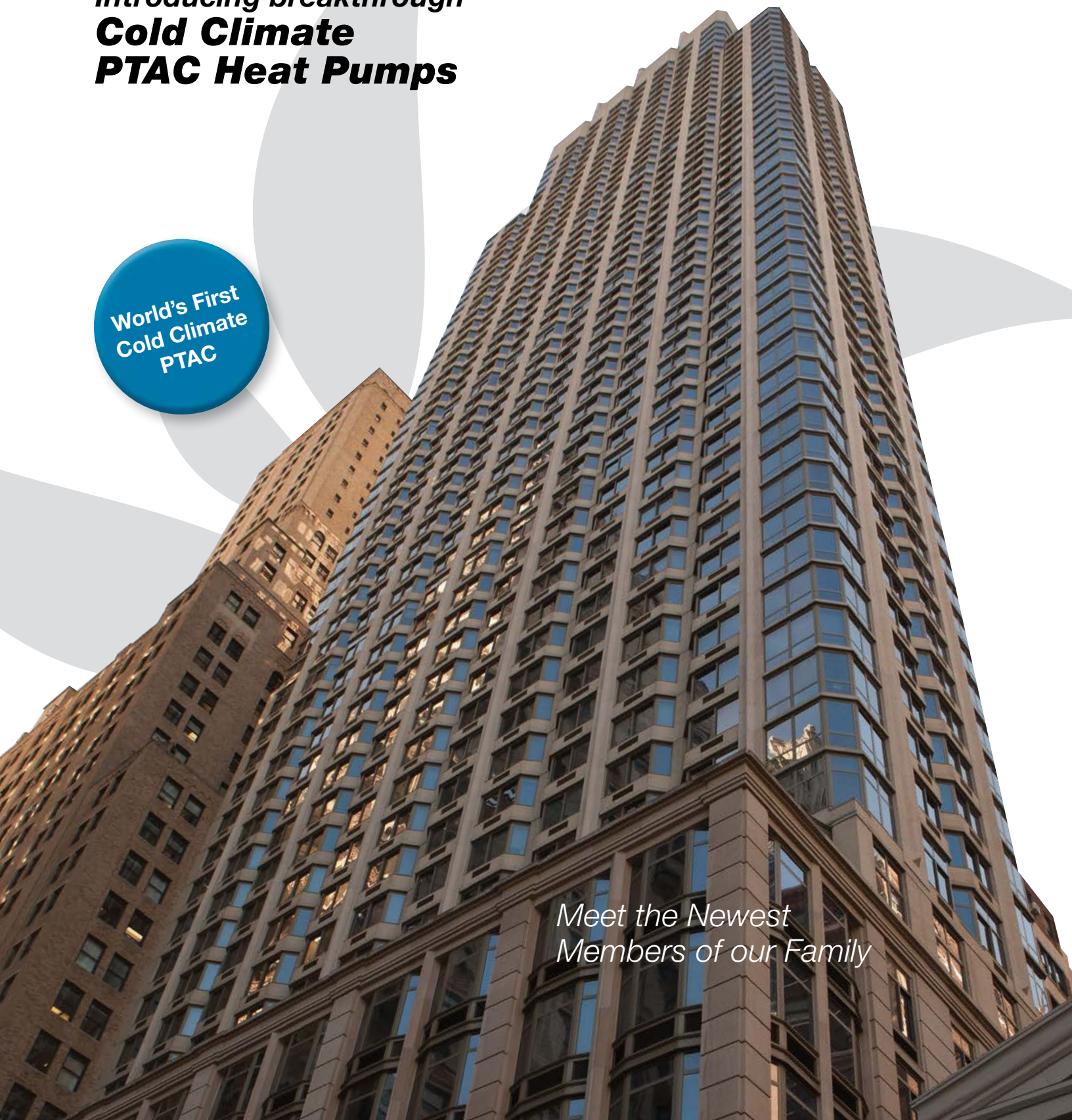
ICE AIR®
World Class Comfort®

Introducing breakthrough
Cold Climate PTAC Heat Pumps

World's First Cold Climate PTAC



Meet the Newest Members of our Family

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Packaged Terminal Air Conditioners (PTACs) have been used as cost effective cooling and heating of apartments, hotels, and dormitories since the 1950's. PTACs are convenient. If a unit goes down, a new unit can be replaced quickly. Old units can be repaired and placed back into service at a later date. The ease of service is what makes PTACs so popular.

The performance of a VRF system with the convenience of a PTAC

RSXC-Series Cold Climate Packaged Terminal Heat Pump (PTHP)

Ice Air's breakthrough cold climate technology is a paradigm shift. It allows PTHPs to efficiently provide space heating down to -5°F and below. And our advanced Variable Refrigerant Flow (VRF) technology ensures that your unit is pinpointing the exact amount of heating or cooling required for the desired room conditions. Efficient, sustainable, heat pumps designed for cold climates are finally a reality.

Defining *Cold Climate*

- Heating performance laboratory tested and certified to -5°F
- The theoretical lower limit for heating operation is -25°F ambient
- Provides cooling operation down to 38°F

What You Would Expect

- Industry leading efficiency
- Sustainable R-410a Refrigerant
- Fits within a standard size wall sleeve (42" W x 16")

Series Model #	RSXC09	RSXC13	RSXC18
Cooling Capacity (Btu/hr)[1]	9,200	12,500	16,300
Cooling Capacity Range (Btu/hr)	6,300 - 11,800	6,500 - 14,900	7,300 - 18,000
EER[1]	12.1	11.1	10.0
Cooling Input (Watts)	760	1,126	1,630
Cooling Input (Amps)	3.7	5.4	7.8
Airflow (CFM)	380	400	540
Outside Air (CFM)	60	60	60
Heating Capacity (Btu/hr)[2]	10,200	12,000	17,300
Heating Capacity Range (Btu/hr)	5,200 - 12,600	5,600 - 14,200	9,500 - 17,000
COP[2]	3.6	3.1	3.0
HSPF[2]	9.6	9.5	9.0
Heating Input (Watts)	830	1,134	1,690
Heating Input (Amps)	4.0	5.5	8.1
Voltage	208	208	208
MCA	5.9	8.5	10.4
MOP	15	15	15
Weights (lbs.)	127	134	151

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. A 2-kW emergency back-up electric heater is offered as a factory option.

Lab tested to -5°F

Cold Climate
Package Terminal Heat Pumps

SPXC-Series Cold Climate Single Packaged Heat Pumps (SPHP)

Single Packaged Air Conditioners (SPACs) are as convenient to service as a PTAC while providing the benefits of concealed ducted systems. SPACs can be hidden in a closet or behind a wall and serve multiple spaces via concealed ductwork. With the introduction of ***Ice Air's breakthrough cold climate technology*** our line of SPHPs would allow for efficient heat pump operation on the coldest days.

The performance of a VRF system with the convenience of a SPAC

Defining *Cold Climate*

- Heating performance laboratory tested and certified to -5°F
- The theoretical lower limit for heating operation is -25°F ambient
- Provides cooling operation down to 38°F

What You Would Expect

- Industry leading efficiency
- Sustainable R-410a Refrigerant
- Standard dimension wall plenum, compliant with US DOE requirements (23-5/8" W x 32-5/8" H)

SERIES MODEL #	SPXC12	SPXC18	SPXC24
Cooling Capacity (Btu/hr)[1]	11,500	16,800	24,000
Cooling Capacity Range (Btu/hr)	9,700 - 15,700	10,500 - 19,500	13,900 - 25,600
EER[1]	13.0	11.0	11.0
Cooling Input (Watts)	884	1,527	2,182
Cooling Input (Amps)	4.3	7.3	10.4
Airflow (CFM)	400	600	800
Outside Air (CFM)	60	60	60
Heating Capacity (Btu/hr)[2]	11,400	15,200	19,000
Heating Capacity Range (Btu/hr)	7,600 - 14,500	11,500 - 19,200	15,100 - 25,900
COP[2]	3.5	3.3	3.3
HSPF[2]	9.0	9.0	9.0
Heating Input (Watts)	955	1,350	1,687
Heating Input (Amps)	4.6	6.5	8.1
Voltage	208	208	208
MCA	9.8	14.8	18.8
MOP	15	20	20
Weights (lbs.)	220	260	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. A 2-kW emergency back-up electric heater is offered as a factory option.

Ice Air heat pumps keep you warm when it is cold outside!

What if there was a way to efficiently "electrify" a building's domestic hot water plant?

Ice Air's CCHPD-series ***Cold Climate*** *Heat Pump DHW heaters do just that. They capture the free energy in the environment and convert it to hot water.*

Create hot water even when it is cold outside!

To learn more, go to: www.Ice-Air.com

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