

Central Air Conditioners  
 (formerly known as Single Package Vertical Heat Pumps, or SHPHs)

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# SPXC Series

Central Air Conditioners (CACs) are as convenient to service as a PTAC while providing the benefits of concealed ducted systems. CACs 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 SPXCs would allow for efficient heat pump operation on the coldest days.



## 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 #                              | 8SPXC12        | 8SPXC18         | 8SPXC24         |
|---|----------------|-----------------|-----------------|
| Cooling Capacity (Btu/h) <sup>1</sup>       | 11,200         | 16,800          | 24,000          |
| Sensible Capacity (Btu/h) <sup>1</sup>      | 9,900          | 12,900          | 18,500          |
| Cooling Capacity Range (Btu/h)              | 9,700 - 15,700 | 10,500 - 19,500 | 13,900 - 25,600 |
| EER <sup>1</sup>                            | 13.0           | 11.0            | 11.0            |
| Cooling Operating Range                     | 38°F TO 115°F  |                 |                 |
| Cooling Input (Watts)                       | 862            | 1,527           | 2,182           |
| Cooling Input (Amps)                        | 4.1            | 7.3             | 10.4            |
| Heating Capacity (Btu/h) <sup>2</sup>       | 11,400         | 15,200          | 21,000          |
| Heating Capacity Range (Btu/h)              | 7,600 - 14,500 | 11,500 - 19,200 | 15,100 - 25,900 |
| COP <sup>2</sup>                            | 3.5            | 3.3             | 3.3             |
| HSPF <sup>2</sup>                           | 9.0            | 9.0             | 9.0             |
| Heating Outdoor Operating Range             | -5°F TO 70°F   |                 |                 |
| Heating Input (Watts)                       | 955            | 1,350           | 1,865           |
| Heating Input (Amps)                        | 4.6            | 6.5             | 9.0             |
| Electric Heat (kW)                          | 3.5   5.0      | 5.0   7.5       | 5.0   7.5       |
| Voltage                                     | 208            | 208             | 208             |
| MCA (without Electric Heat)                 | 9.8            | 14.8            | 18.8            |
| MOP (without Electric Heat)                 | 15             | 20              | 25              |
| MCA (with Electric Heat)                    | 22.5   27.8    | 28.7   47.4     | 28.9   47.8     |
| MOP (with Electric Heat)                    | 25   30        | 30   50         | 30   50         |
| Airflow (CFM)                               | 400            | 600             | 800             |
| Outside Air (CFM)                           | 60             | 60              | 60              |
| Max External Static Pressure - ESP (in.wg.) | 0.3            | 0.3             | 0.3             |
| Weights (lbs.)                              | 220            | 260             | 360             |

### LOW AMBIENT PERFORMANCE

|                         |       |        |        |
|-------------------------|-------|--------|--------|
| Heating Capacity @ 10°F | 9,100 | 12,100 | 20,800 |
| COP @ 10°F              | 2.34  | 2.11   | 2.18   |
| Heating Capacity @ 5°F  | 8,800 | 11,700 | 16,200 |
| COP @ 5°F               | 2.17  | 2.05   | 2.00   |
| Heating Capacity @ -5°F | 8,200 | 10,900 | 18,700 |
| COP @ -5°F              | 1.85  | 1.75   | 1.68   |

## 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. If the electric heat option is selected, the heat pump operation is disabled and electric heat enabled below -5°F (+/- 3°F).
4. Units without electric heat will operate below -5°F with derated performance. Performance below -5°F has not been certified.