

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

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 R32 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 ² (BTU/h)	12,900	18,100	28,400
Sensible Capacity ² (BTU/h)	10,000	15,000	21,900
Cooling Capacity Range (BTU/h)	8,900 - 14,500	12,400 - 20,300	18,900 - 32,600
EER ²	11.1	10.7	10.5
SEER ²	14.7	13.8	14.0
Cooling Operating Range	38°F TO 115°F		
Cooling Mode Power (Watts)	1,162	1,692	2,705
Cooling Mode Current (A)	5.6	8.1	13.0
Heating Capacity ³ (BTU/h)	11,800	16,500	23,100
Heating Capacity Range (BTU/h)	8,100 - 13,300	11,700 - 18,200	16,400 - 25,400
COP ^{2,3}	3.5	3.5	3.2
HSPF ²	7.6	7.4	7.4
Heating Outdoor Operating Range	-5°F TO 70°F		
Heating Mode Power (Watts)	988	1,382	2,116
Heating Mode Current (A)	4.8	6.6	10.2
Voltage	208	208	208
Total Unit FLA (without Electric Heat)	9.8	13.7	22.2
MCA (without Electric Heat)	11.5	16.0	26.2
MOP (without Electric Heat)	15	25	40
Electric Heat ⁴ (kW)	3.5 5	5 7.5	5 7.5
Electric Heat (A)	16.8 24	24 36.1	24 36.1
Total Unit FLA (with Electric Heat)	18.8 26	26 38.1	27.6 39.7
MCA (with Electric Heat)	23 32	32 47.1	33.6 48.7
MOP (with Electric Heat)	25 35	35 50	40 50
Airflow (CFM)	450	720	1,000
Max External Static Pressure - ESP (in.wg.)	0.3	0.3	0.3
Weights (lbs)	220	280	360

LOW AMBIENT PERFORMANCE

Heating Capacity @ 10°F	8,500	13,000	19,800
COP @ 10°F	1.85	1.95	1.9
Heating Capacity @ 5°F	7,700	12,300	19,400
COP @ 5°F	1.7	1.85	1.85
Heating Capacity @ -5°F	6,100	10,900	18,400
COP @ -5°F	1.4	1.7	1.75



SPECIFICATION NOTES:

1. Performance data according to CAC/HP AHRI 210/240 standard.
2. Rated performances in cooling mode @ 80°F/67°F DB/WB Indoors and 95°F/75°F DB/WB Ambient
3. Rated performances in heating mode @ 70°F/60°F DB/WB Indoors and 47°F/43°F DB/WB Ambient
4. If the electric heat option is selected, the heat pump operation is disabled and electric heat enabled below -5°F (+/- 3°F)
5. Units without electric heat will operate below -5°F with derated performance. Performance below -5°F has not been certified.
6. Performance data based on R32