

Product ID

Model#: S9160-18KH-3

18,000 BTU A/C

208 VOLT

3 PHASE

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

The air conditioner is a horizontal compact air conditioner with a nominal cooling capacity of 18,000 British Thermal Units per hour (BTU/hr) and a nominal heating capacity of 13,400 BTU/hr. The air conditioner is intended primarily for use in mobile technical electronics shelters. Capabilities and features are as follows:

- Lightweight, compact, and horizontal
- Wall/Floor-mounted and air-cooled
- Electric motor driven and designed for continuous operation under varying loads
- Furnishes 18,000 BTU/hr for cooling; 13,400 BTU/hr for heating
- Handles for lifting
- Alternate power input source
- Roll-up canvas condenser cover.

EQUIPMENT DATA

• Air Conditioners Part No. S9160-18KH-3

Nomenclature S9160-18KH-3 Air Conditioner, Horizontal, Compact, 18,000 BTU/HR, 208 Volt, Three-Phase, 50/60 Hertz

Manufacturer Environmental Systems Corp., a Snowbird, ESC Company

Capacity:

- Cooling 18,000 BTU/HR (Nominal)
- Heating 13,400 BTU/HR (Nominal)
- Three-Phase, S9160-18KH-3
- Hertz 50/60

CAUTION

When operating the S9150-18KH-1 unit on "50" cycles, the voltage must not exceed 220 volts. Operating at the 230 volt, 50 cycle, 1 phase power input may result in unit shutdown over an extended period of time. Compressor rating for 50 cycles operation requires a maximum of 220 volts. The manufacturer recommends 208 volts be utilized during 50 cycles operation for the S9150-18KW-1 unit. Test results have dictated this recommendation.

- A/C Volts 230 \pm 10%, S9150-18KH-1
- 208 \pm 10%, S9160-18KH-3
- Current input, full load, amperes:
- Cooling 22.9 (maximum) S9150-18KH-1
- 14.6 (maximum) S9160-18KH-3
- Heat 22.9 (maximum) S9150-18KH-1
- 14.6 (maximum) S9160-18KH-3
- Ventilating 3.0 (maximum)
- Refrigerant R22
- Amount of Charge 2 lbs. 12 oz.

Dimensions and Weight

- Depth 27.94 inches (70.970 cm) Nominal
- Height 20 inches (50.8 cm) Nominal
- Width 30 inches (76.2 cm) Nominal
- Evaporator Air Discharge Grill 20.12 inches x 8.76 inches (51.10 x 22.25 cm) Nominal
- Evaporator Air Intake Grill 22.52 inches x 9.96 inches (57.20 x 25.30 cm) Nominal
- Weight 290 pounds (maximum)

Operating Temperature Range

- -50°F (-45°C) to 80°F (+26.7°C) HEATING
- 0°F (-17.8°C) to 125°F (+52°C) COOLING