ASCO Power Technologies™

9000 SERIES
Data Sheet

Model 9200

The ASCO Model 9200 is a Direct Connect Medium Voltage load bank. It is designed for outdoor installation when up to 3500 kW is required.

LOAD BANK RATINGS

Standard capacity ratings of:

- 1000 kW
- 2000 kW
- 3000 kW
- 3500 kW

Typical load step resolution of 500 kW.

Select from standard three phase voltage ratings of:

- 4160
- 12470
- 13200
- 13800

Please consult factory for non-standard ratings.

Blower Motor Control

External blower connection is required. Terminal block(s) are provided for 3 phase blower input.An external 120V, 1 Phase, 60 Hz supply is required for control circuit operation.

An optional step-down transformer is available to provide the required control power. The transformer receives its power from the blower motor circuit.

Cooling System

Approximately 20,000 CFM (per resistor stack) of cooling is provided by integral TEFC or TEAO motor which is direct coupled to the cooling fan blade. The fan motors are fully protected with fuses, motor starter contractor, and overload relay.

Operator Controls

The standard load control for the 9200 is a remote manual 19" rack panel. Controls include: Power On/Off switch, Blower Start/Stop push buttons, Master Load On/Off switch, and Individual Load Step switches. Visual indicators include: Power On, Blower On, and Blower/Air Failure.

Other control options are available, please consult factory.

Construction

The 9200 is constructed using heavy gauge steel. It is designed for continuous outdoor weatherproof operation. Welded lifting cleats are provided for overhead lifting.

All exterior fasteners are stainless steel. The main input bus, load step contactors, fuses, and blower/control relays are located in the main enclosure.

Finish

The 9200 has a high quality baked polyester powder coated finish or two part polyurethane. The standard color is gray (ANSI 61).

Two Year Warranty Included

The equipment is covered by an industry exclusive 24-month parts and labor warranty.

Model 9200 Specifications

Resistor Elements

ASCO load banks use helically wound chromium alloy Helidyne elements. Elements are fully supported across their entire length by segmented ceramic insulators on stainless steel rods. These elements are designed to operate at approximately 1/2 of their maximum continuous wire rating.

Elements are positioned within the cooling airstream for optimal performance. Changes in resistance due to temperature are minimized by maintaining conservative watt densities.

The overall load tolerance of the 9200 load bank is -0, +5%. This ensures that advertised kW is delivered at rated voltage.

The elements are continuously rated at the specific voltage. Tests at lower voltages, with a corresponding reduction in overall rating, may be carried out.

Safety Features

A differential pressure switch is interlocked with the load application controls to prevent load from being supplied if cooling air is not present.

An overtemperature switch is provide to sense the load bank exhaust. The switch is interlocked with the load application controls to disable load from being supplied if an overtemperature condition is present.

The fan motors are protected with fuses and overloads.

The exterior of the load bank has appropriate warning and caution statements on access panels.

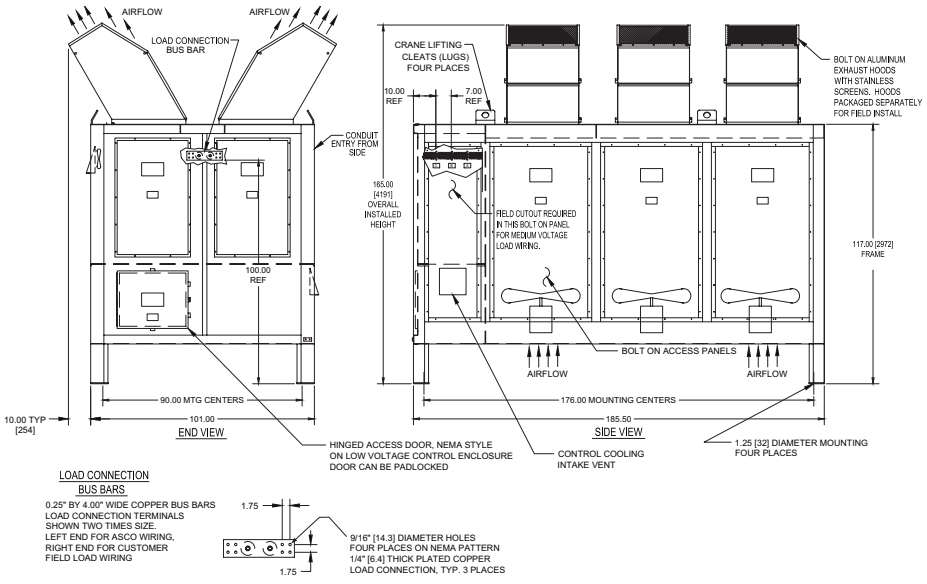
Internal access is restricted by bolt on exterior panels.

The air intake on the 9200 is designed to prevent objects greater than 0.50" diameter from being ingested into the unit.

Vertical air discharge is provided and exhaust air is directed upward away from personnel.

Ambient Temperature

The 9200 load bank is designed for continuous duty cycle with no limitations. The ambient temperatures range is -20°F to 120°F (-28°C to 50°C).



All dimensions are in inches [millimeters].
Specifications subject to change without notice.

Mounting

The 9200 is designed for outdoor installation on a concrete pad or structural base.

Power Terminals and Cable Entry

The power terminals are located behind a bolt-on access panel. The 9200 has a recommended conduit entry area underneath the power terminal assembly to facilitate load cable installation.

Optional Accessories

- Control Power Transformer
- NEMA 4 Type Control Panel Enclosure
- Digital Monitoring
- Remote I/O Control
- Pilot Relay Control
- PLC Control
- Arctic Rating (low temperature)

Documentation - Operating Manual

A comprehensive operator's manual is supplied electronically via a USB drive.

Sections include: Safety, Installation, Operation, Maintenance, and Troubleshooting.

Testing and Standards

ASCO load banks comply with NEMA, NEC, and ANSI standards. Quality control system is certified to ISO9001 standards.

Weight and Dimensions

Dimensions (approx. in/mm)			Weight
Height	Width	Length	
165/4191	101/2565	*	*

*NOTE: Length and weight values are dependent on capacity and voltage.

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