



The ASCO Model 2400 are resistive, DC load banks designed for indoor use when up to 1000 Amps of load is required.

LOAD BANK RATINGS

Standard capacity ratings of:

- 900 Amps
- 1000 Amps

Standard load step resolution of 5 or 50 Amps.

Select from standard voltage ratings of:

- 28 VDC
- 52 VDC

Please consult factory for non-standard ratings.

Blower Motor Control

A 2400 load bank requires an external 120V, 1 Phase, 60 Hz source for control and fan operation. A power cord for control power is provided with the load bank.

Cooling System

Approximately 2,400 CFM cooling is provided by integral 1/3 HP motor. To insure years of reliable operation, the motor is direct coupled to the cooling fan blade.

The fan motor circuit is fuse protected and includes a motor start relay.

Operator Controls

The standard load control for the 2400 is a local manual control with toggle switches. Digital Volt and Amp monitoring is provided (model dependent).

Construction

The 2400 is constructed using heavy gauge aluminized steel per ASTM A463. It is designed for continuous indoor operation.

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

Finish

The 2400 has a high quality baked polyester powder coated finish with a film thickness of 2.8 +/- 0.4 mils per coat. 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 2400 Specifications

Resistor Elements

ASCO load banks use helically wound chromium alloy Helidyne elements. 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 load bank is -0, +5%. This ensures that advertised capacity 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 provided to detect air loss. The switch is interlocked with the load application controls to prevent load from being supplied if cooling air is not present.

The load contactors are interlocked with the fan controls to ensure load can be applied only when the fan is running.

A door interlock circuit is provided. If main hinged door is not properly secured, load bank will not operate.

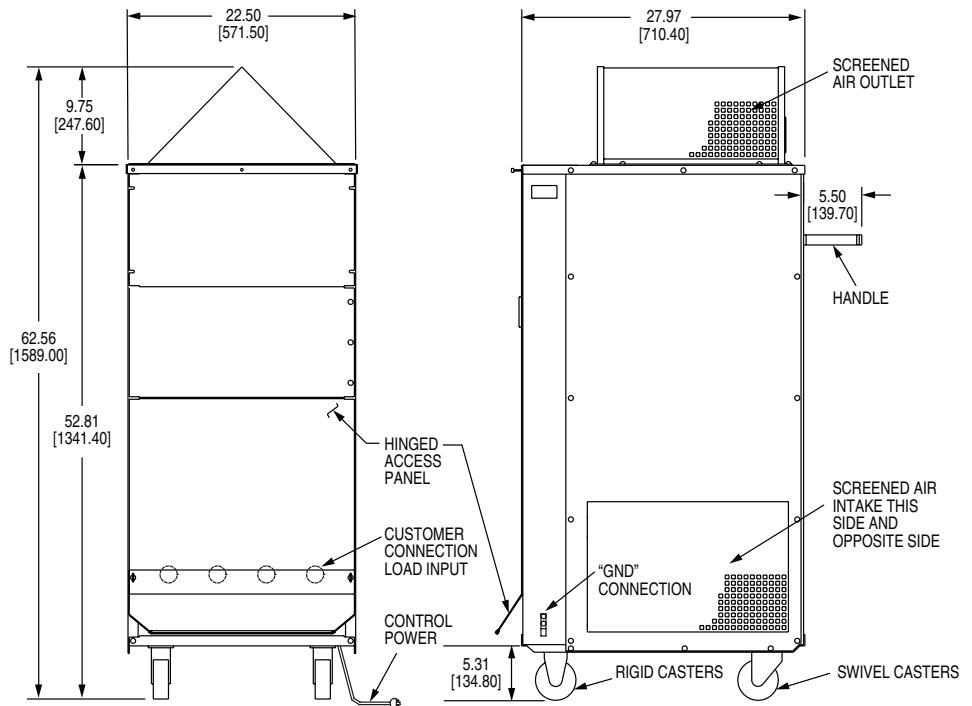
The exterior of the load bank has appropriate warning and caution statements on access panels.

The air intake on the 2400 is designed to prevent objects greater than 0.50" diameter from being ingested into the unit.

Vertical air discharge is directed away from personnel.

Ambient Temperature

The 2400 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.

Environment

The 2400 is designed for continuous indoor portable operation.

Power Terminals and Cable Entry

The power terminals are located behind a hinged and latched access panel. An external ground stud is provided on the exterior of the chassis.

Optional Accessories

- Digital Volt and Ammeter
- Analog Volt and Ammeter
- Vinyl Dust Cover
- 15' Load Cable Set

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 (approx. lb/kg) |
|----------------------------|----------------|---------------|------------------------|
| Length | Width | Height | |
| 28/ 710.4 | 22.5/ 571.5 | 62.5/ 1589 | 305/ 138.3 |