RESISTIVO INDUCTIVO
A Cal Power Company

2000 SERIES

Model 2775



The Avtron Model 2775 are resistive, AC load banks designed for operation indoors when up to 265 kW of resistive load is required. Ideal for data center commissioning and testing

Hot/Cold aisle easily.

LOAD BANK RATINGS

Standard capacityratingsof: 3 Phase, 60 Hz

- 265 kW at 480V
- 257 kW at 240V
- 198 kW at 415V
- 192 kW at 208V

Load step resolution of 5 kW at 480V. 1kW load step resolution is optional. Please consult factory for non-standard ratings.

Fan and Control Power

Anexternal120V, 1 Phase, 60 Hz, 15 amp power source is required for the blower motor and control circuit. This power source can be derived from an external source connected to the power receptacle located on the front of the load bank with the selector switch set to external. With the selector switch set to internal, the 120V control power source is derived from the internal buspower.

Cooling System

Proper cooling is provided by integral TEFC or TEAO motor which is direct coupled to the cooling fan blade. The fan motor is fully protected with fuses, motor starter contactor,and overload relay.

Operator Controls

Thestandard local mode is manual control via "digital toggle" switches. The local mode features full digital monitoring and individual load steps with LED indications. The integral control panel is provided for load bank operation and includes the necessary controls and status indicators.

The optional remote control mode is via the hand-held touchscreen controller. It features a 4.3" color touch screen housed in a rugged and easy to grip industrial grade enclosure. Load selection can be the sum of the entire load string (up to 25 load banks) or individual units within that string. Extremely fast and reliable CANbus communication protocol is used in the SIGMA LT for networking. CANbus protocol reduces network sag which is typically found in RS232 network load banks. A USB port is provided for data download andsoftware updates.

Construction

The 2775 is constructed using heavy gauge aluminized steel per ASTM A463. It is designed for continuous indoor operation. Two (2) moveable and two (2) fixed casters are provided for easy mobility. All exterior fasteners are stainless steel. The 2775 load banksare listed to UL standard 508A.

Finish

The2775 has a high quality baked polyester powder coated finish with a film thickness of2.8+/- 0.4 milsper coat. Thestandard color is gray (ANSI 61).

Two Year Warranty Included

Theequipmentiscoveredbyanindustry exclusive 24-month parts and labor warranty.

Model 2775 Specifications

Resistor Elements

Avtronload banksusehelically wound chromium alloy Helidyne elements. Elements are supported by ceramic insulators on internal frame supports. 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 conserva- tive watt densities. No cool down period required after use.

The overall load tolerance of the 2775 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

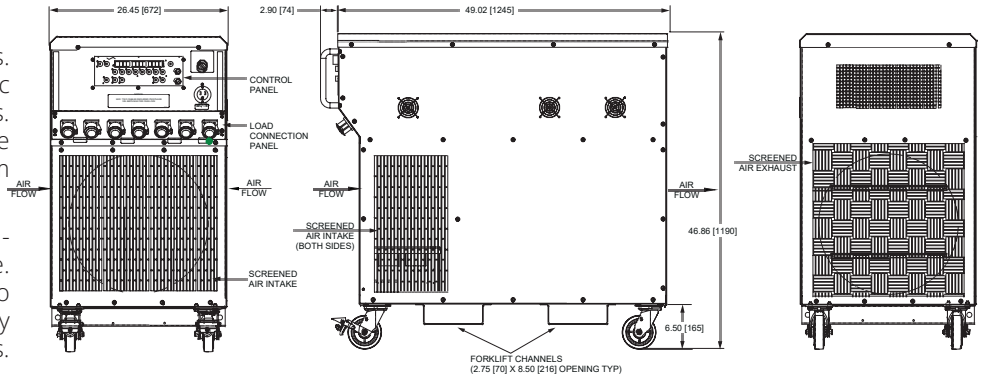
Exhaust temperature sensors are provided to monitor the flow of cooling air. These switches are electrically interlocked with the load application. If the fans are not working properly, the load steps are disabled.

The load bank also contains fuses for short circuit protection. The control/ blower circuit is protected with a 15 amp fuse while the individual load steps have

branch circuit fuseprotection.

Ambient Temperature

The 2775loadbankis 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].

Optional Accessories

- ControlPowerTransformer
- 4.3" Color Touchscreen Hand-Held Controller
- 5 m Interconnection Cable (other lengths available)
- 20' LoadCable Setwith Connectors

Documentation - Operating Manual

Acomprehensive operator's manual is supplied electronically via a USB drive. Sections include: Safety, Installation, Operation, Maintenance, and Troubleshooting.

Testing and Standards

Avtron loadbanks 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	
51.9 [1319]	26.45 [672]	46.86 [1190]	600* [272]*

*NOTE: Approximate weight includes optional control power transformer.