



QUALITY SYSTEM CERTIFIED TO  
**ISO 9001**

The Avtron Model K975A load bank can be utilized independently or as a modular building block for larger systems to meet a variety of requirements. Standard units are designed for 480 volt operation, 3-phase, and are available in 1500, 2000, or 2500 KW load capacity models. This load bank series incorporates the latest state-of-the-art load bank design features, and manufacturing techniques.

The contactors are enclosed in a thermostatically controlled heated enclosure to help prevent problems caused by condensation. This enclosure is sealed with a rubber gasket to protect the components from environmental contamination.

The load bank contains resistive elements and blower motors in a rigid structure of formed heavy gauge steel. Designed for outdoor installation, the K975A utilizes a screened air inlet and exhaust louver to protect

the motors and resistive assemblies.

Carefully engineered and manufactured resistive elements are designed to operate at a fraction of their maximum temperature rating. This ensures more stable loading, extends their operating life and eliminates the need for a cool down period after each loading session.

## Model K975A

Resistive Load Bank 1500 KW

- Indoor/Outdoor Installation
- Temperature Controlled, Weatherproof Contactor Enclosure
- Needs No Cool Down Period
- Optional DC Designs
- Standard 19" Remote Control Panel With Optional Enclosure
- Fully Supported Load Elements

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**The Model K975A is designed for testing AC generating systems, Uninterruptible Power Supplies (UPS), in production line and laboratory environments.**

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# K975A LOAD CAPACITY RATING

Total Load KW	Voltage	Load Steps in KW
1500	480	5, 10, 10, 25, 50, 100, 100, 200, 500, 500
		50, 50, 100, 100, 200, 500, 500

## SPECIFICATIONS

**CONSTRUCTION:** Heavy gauge steel structure provides a rigid enclosure. Removable panels with rubber gaskets protect contactors from the weather. Screened air inlet and louvered exhaust openings protect the load bank from foreign objects and weather. Horizontal airflow provides maximum protection and reliability in an outdoor environment. Upright construction minimizes footprint. Permanent base is designed for mounting on floor, roof, or cement pad and is equipped with built-in forklift channels.

**RESISTOR ELEMENTS:** The resistive elements are designed by Avtron and manufactured of a corrosion resistant chromium alloy wire. Resistive elements are fully supported over their entire length for improved operating life.

**CONTROL POWER:** The K975A requires control power of 120 volts, single phase, 60 hertz, 15 amperes (control transformer optional).

**COOLING:** The resistive elements are air cooled by dual self-contained 5 HP, 10 HP, or 15 HP blowers requiring 460 volts, 3-phase, 60 Hz. No additional cooling period is required when load is removed from the elements. Optional voltages available.

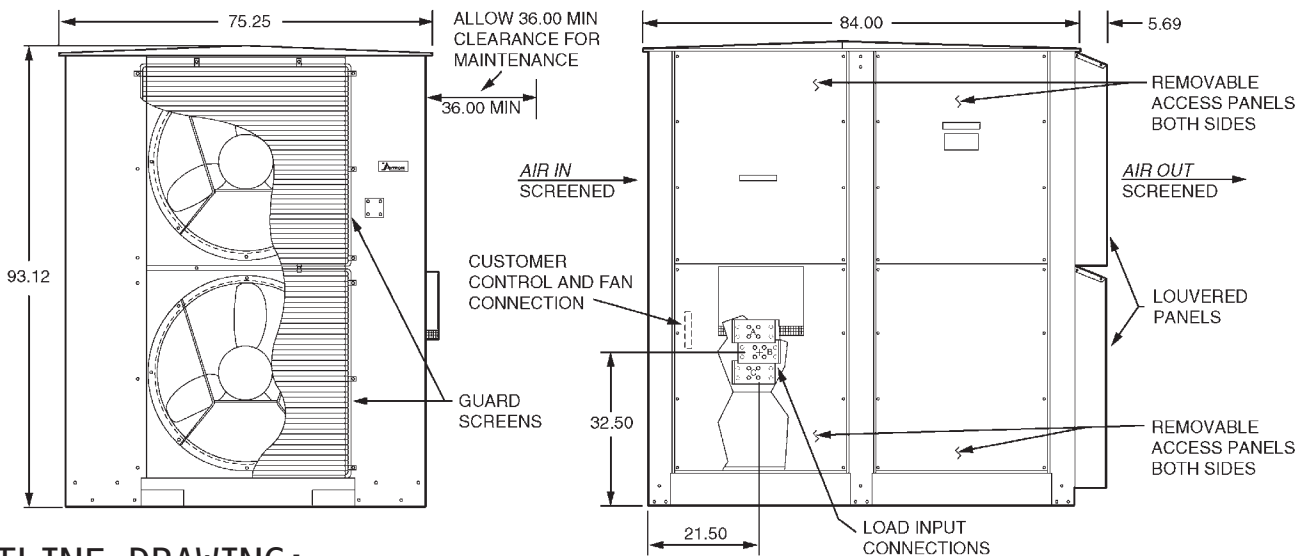
**CONTROLS:** Contactors are protected in a thermostatically controlled, heated enclosure. The 19" rack-mounted control panel for indoor use includes a POWER ON-OFF switch, a POWER ON light, BLOWER ON-OFF push buttons with a BLOWER FAILURE light, MASTER LOAD ON-OFF switch, and load step switches.

**PROTECTION:** The K975A differential pressure air switch is electrically interlocked to remove the load if the air flow is not sufficient to produce proper cooling. Overtemperature protection and branch circuit fusing is also provided

**WEIGHT:** Approximately 3700 pounds.

### OPTIONS:

- KW Meter, Voltmeter, Ammeter, and Frequency Meter
- Meter and Control Panel Enclosure
- 230/460, 208, 230, or 575V Blowers
- Control Transformer for 208, 230, 460, 230/460, or 575 Volt Power



**OUTLINE DRAWING:**

ADMS™ is a trademark of Avtron.  
Communicator EXT™ is a trademark of Electro Industries/GaugeTech.

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

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