



# ComRent International

LOAD BANK RENTALS AND SALES

## 2500kW Resistive Load Bank — K975A

### Great For Load Testing Mission

### Critical Power Systems:

- Generators ▪ Switchgear ▪ Turbines
- UPS Systems ▪ Rotary UPS
- Easy Operator Controls & Remote Operation Available up to 1000'
- Compact Footprint for Space Limited Areas; Vertical Air Discharge
- Portable — For Multiple Site Load Testing
- Multiple Units Can Be Placed on a Trailer
- Use for 1.0 PF Test, or With Reactive Load Bank(s) for 0.8 PF Test



Two 2500kW Load Banks Testing Diesel Generators At Casino

▶ 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 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.

ComRent International is your complete source world wide for load bank rentals, sales, and refurbishments. Products include:  
Load Banks 1kW – 30mW • Resistive • Reactive • Capacitive • 1–1000 VDC • Electronic Loads • Power Cables  
Medium Voltage Resistive, Reactive & Capacitive • 4mW @ 4160 VAC • 5mW @ 13.8 kV • 20–30mW @ 11-13.8 kV

# K975A Ratings and Specifications

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
2000	480	5, 10, 10, 25, 50, 100, 100, 200, 500, 500, 500
		50, 50, 100, 100, 200, 500, 500
2500	480	50, 50, 100, 100, 200, 500, 500, 500

## K975A Load Bank Specifications

► **CONSTRUCTION:** Heavy gauge steel structure provides a rigid enclosure. Removable panels with rubber gaskets protect contractors from the weather. Screened air inlet and louvered exhaust openings protect the load bank from foreign objects and the 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 coercion resistant chromium ally wire. Resistive elements are fully supported over their entire length for improved operating life.

► **CONTROL POWER:** The load requires control power of 120 volts, single phase, 60 Hz, 15 Amps (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 period is required when load is removed from the elements.

► **CONTROLS:** Contractors 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.

► **SAFETY:** A differential pressure air switch is electrically interlocked to remove the load if the air flow is not sufficient to produce proper cooling. Over temperature 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

All dimensions are in inches.  
Specifications subject to change without notice.  
Printed in U.S.A. Rev. -

