AVTRON LOADBANK, INC.
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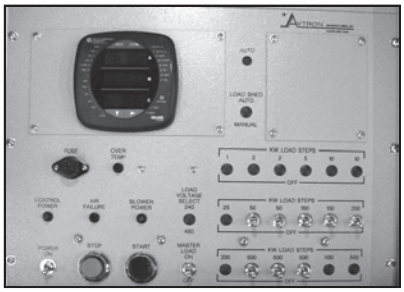
MEDIUM VOLTAGE RESISTIVE LOAD BANK

750 to 2000 KW

MODEL K875A-MV



Operator Control Panel

QUALITY SYSTEM CERTIFIED TO ISO 9001

- **Outdoor Installation**
- **Vertical Air Discharge**
- **Fully Supported Load Elements**
- **Slide Out Resistor Cases**
- **Needs No Cool Down Period**
- **Integral Step-Down Transformer**

The Avtron Model K875A-MV load bank system provides a convenient and economical means of testing power sources at utility voltages. Incorporating an integrally mounted step-down transformer, the K875A-MV provides resistive load testing for power sources at 2400, 4160, 12,470, or 13,800 volts (other voltages are available). The single skid mounted load bank system makes it practical for transportation and set up with single point termination of diesel or turbine generator sets.

The load bank features vertical air discharge for installation in areas where space is at a premium such as the rooftops of high-rise buildings. Weather-proof exhaust hoods provide maximum protection to the resistor cases and blower assemblies.

The K875A-MV incorporates state-of-the-art load bank design features and manufacturing techniques to provide years of trouble free service. This model utilizes a modular design with common parts shared throughout the product range. This assures quick delivery, easy installation, and simple operation and maintenance.

The Model K875A-MV load bank is used for resistive testing medium voltage power sources in factory production lines or in the field after installation.

Avtron's extensive line of Load Bank and Industrial Resistor Products are solid performers used throughout the world.

For total technical support or additional information, please contact Avtron at (216) 573-7600 or LBsales@avtron.com.

K875A-MV LOAD CAPACITY RATINGS

Rated KW	Rated Voltage (3 phase, 60 Hz)	Minimum Load Step Resolution KW	Height	Width	Length	Weight
750	2.4, 4.16, 12.47, 13.8 KV	5 or 50 KW	148 [3759]	60 [1524]	165 [4191]	9000 lbs [4090 kg]
1000	2.4, 4.16, 12.47, 13.8 KV	5 or 50 KW	148 [3759]	60 [1524]	165 [4191]	10000 lbs [4545 kg]
1500	2.4, 4.16, 12.47, 13.8 KV	5 or 50 KW	148 [3759]	60 [1524]	230 [5842]	12500 lbs [5681 kg]
2000	2.4, 4.16, 12.47, 13.8 KV	5 or 50 KW	148 [3759]	60 [1524]	230 [5842]	14000 lbs [6363 kg]

All dimensions and weights are approximate and based on transformer Voltage, Frequency and KVA rating. Please consult factory for exact detailed weights and dimensions.

Note: Designs for International 50/60 Hertz Design Voltages are also available.

K875A-MV SPECIFICATIONS

CONSTRUCTION: The load bank enclosure is constructed of heavy gauge aluminized steel with stainless steel exterior fasteners. Vertical air flow provides a compact footprint for tight installations. The structural skid base is designed to support the step-down transformer as well as the load bank and interconnecting wiring to provide for a single point connection for medium voltage (5 or 15 KV) applications. The skid is provided with lifting provisions at each corner.

RESISTOR ELEMENTS: The resistive elements are manufactured from corrosion resistant chromium alloy wire and are fully supported with stainless steel rods for long life.

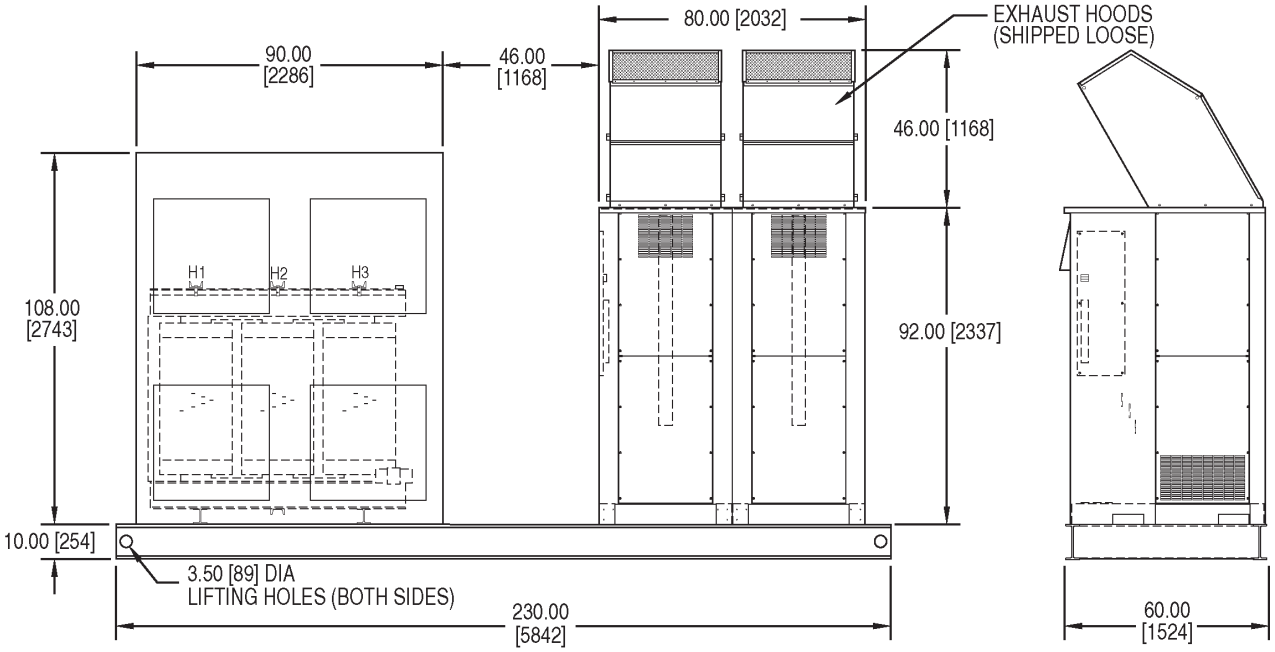
CONTROL POWER: The K875A-MV requires 120 VAC, single phase power which is derived from an integral control transformer.

COOLING: The resistive elements are air cooled by integrally mounted blower motors rated at 10 HP, 460 VAC, 3 Phase, 60 Hz. No additional cooling period is required when the load is removed.

CONTROLS: The control panel is provided as a 19" rack mount panel for remote mounting. Controls include POWER ON-OFF switch, a POWER ON light, Blower ON-OFF push buttons with a BLOWER FAILURE light, OVER-TEMPERATURE light, MASTER LOAD ON-OFF switch, and load step ON-OFF toggle switches. An optional digital metering package with data logging software is available.

PROTECTION: Secondary fusing is provided on the load side of the step-down transformer to protect the load bank feeder cable. The K875A-MV features branch circuit fusing on all load steps and over-temperature protection. Differential pressure air switches on the blowers are electrically interlocked to remove load if the airflow is not sufficient to provide proper cooling.

TRANSFORMER: Outdoor construction, Dry-Type designed for 150° C rise (220° C insulation system) with secondary fusing. Primary protection, disconnect or circuit breaker provided by others.



2000 KW system shown

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