



10409 MEECH AVENUE, CLEVELAND, OH, U.S.A. 44105
(1) 216-641-8310 • FAX: (1) 216-441-2459

RESISTIVE LOAD BANK

360 KW

- For Testing and Exercising Generators Up to 360 KW at 240 or 480 VAC
- Compact, Easily Fits in a Pickup Truck or Van
- Large Load Capacity, in a Low Profile Design
- Fully Self-Contained, Includes Test Instrumentation
- Rugged, Continuously Supported Resistive Elements
- Tests a Wide Range of Single and 3 Phase AC Power Sources



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he Avtron Model K697 is a portable, self-contained load test system. It is designed to test AC power sources on site quickly and with ease.

Because of its portability and compact size (only 47" tall), two K697s can be transported in standard size vehicles like vans and pickup trucks.

This load bank provides loads up to 360 KW at either 240/480 VAC or 300/600 VAC. For applications where greater loads are required, an Avtron K697A slave unit can be wired in parallel with the K697 to provide an additional 400 KW with 25 KW load resolution. In this type of application, all load metering is provided on the control panel of the K697 load bank which serves as the master unit.

The K697 is a rugged unit built on a heavy gauge steel frame equipped with forklift channels for simplified loading and handling. It also features two fixed and two lockable swivel casters for maximized mobility.

Electrically the K697 is as tough as its physical construction. Load elements are continuously supported to better withstand vibration and they are sized to operate at one half of their maximum temperature rating. As a result, the K697 does not require a cool down period after each load test.

The K697 is used for testing a variety of AC power sources including stand-by generator sets, UPS systems, and aircraft ground power units.

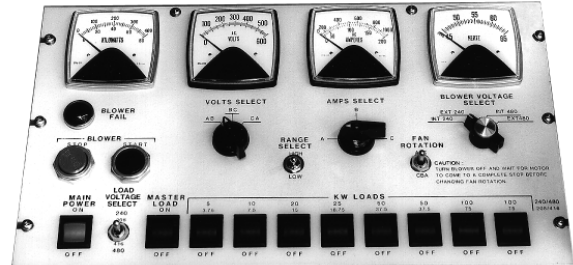
For complete information on all Avtron load bank designs, and total support in selecting the right model for your specific application, please contact your Avtron sales representative at (216) 641-8310.

K697 LOAD CAPACITY RATINGS

Total Load KW	Volts	Load Steps–KW
360	240/480	5, 10, 20, 25, 50, 50, 100, 100
360	300/600	5, 10, 20, 25, 50, 50, 100, 100

K697 METERING

The K697 load bank control panel is equipped with a large, easy to read, analog voltmeter and ammeter. The ammeter is a dual range, switch selected type, with metering ranges of 0 to 200 or 0 to 1000 amperes. Optional instrumentation includes a kilowatt meter and frequency meter.



K697 SPECIFICATIONS

CAPACITY: 360 KW at 240/480 VAC, or at 300/600 VAC.

METERS: Analog voltmeter and ammeter are standard; KW and frequency meters optional.

BLOWER MOTOR: 3 HP motor requires 208, 230/460, or 208, 230/575 VAC, 3-phase, 60 Hz power.

CONTROL POWER: 120 VAC, single phase, 60 Hz.

CONTROLS: K697 control panel comes equipped with:

- Voltage and current phase selector switches
- Load voltage selector switch
- Load step switches
- Blower start/stop push buttons
- Blower voltage selector switch – 4 position: 230/460 V, internal/external
- Fan rotation switch ABC/CBA

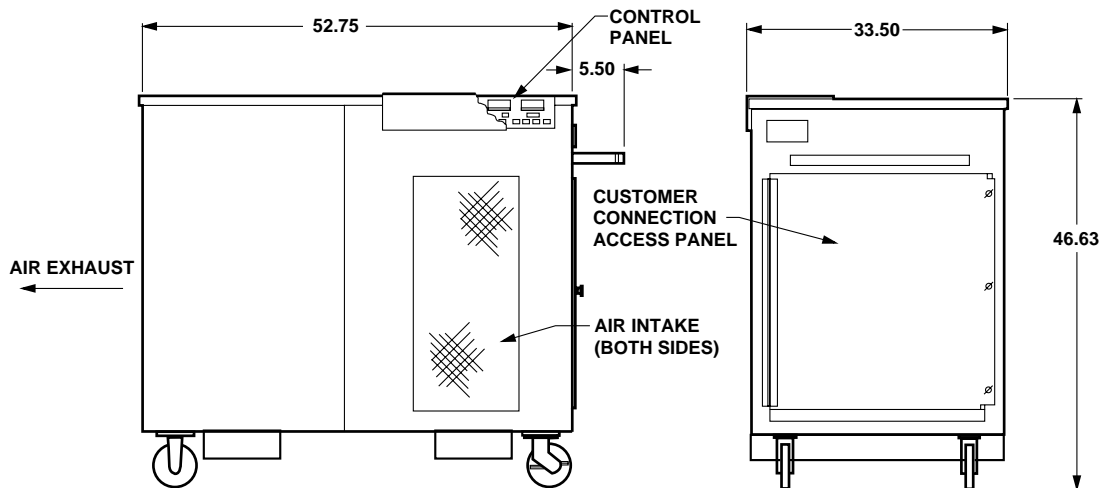
ELEMENTS: Chromium alloy. No cool down required.

SAFETY FEATURES: The load bus is protected from applying high voltage in the low voltage mode, short circuit-safe elements, fused load input, cooling air loss protection, and motor overload protection.

WEIGHT: Approximately 690 pounds.

OPTIONS:

- Control Power Transformer
- Wattmeter and/or Frequency Meter
- Vinyl Dust Cover
- Custom DC Designs also available



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

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E-MAIL: loadbanks@avtron.com • HOME PAGE: www.avtron.com