



10409 MEECH AVENUE, CLEVELAND, OH, U.S.A. 44105  
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## RESISTIVE LOAD BANK

500 or 650 KW

- Portable
- Self-Contained and Compact
- Large Loading Capacity
- Continuous, Dependable Operation
- 380 Volts, 50 Hertz Models Available

### MODEL K700



**ISO9001**  
QUALITY SYSTEM CERTIFIED

**T**he Avtron Model K700 load bank is a lightweight, portable, self-contained unit designed for flexible, convenient testing of generators on a production line, job site, or in the laboratory. This unit features a master load switch for instantly applying and removing pre-selected loads in a single step. The K700 is available with a total load capacity of 500 or 650 KW (at 240 or 480 V, 3-phase) with 5 KW load step resolution.

Designed for indoor use, the K700 is equipped with a host of safety features that include automatic shutoff should an overvoltage, overtemperature, or fan failure condition develop, plus complete branch fusing of load steps. The load bus is protected from applying high voltage in the low voltage mode.

The K700 is also available with an optional metering panel containing a voltmeter, ammeter, kilowatt and frequency meter. These units may be used in parallel with other existing Avtron load banks.

The extra capacity of the K700 often allows fewer individual load banks to be used to complete a test.

*The K700 is a versatile mobile unit typically used for testing AC generator sets, UPS systems, and other AC sources.*

*Avtron designs and manufactures a wide range of standard load banks and has a long history of producing custom designed units for specialized applications.*

*For complete support in defining the right load bank for your specific needs, consult your Avtron sales representative at (216) 641-8310.*

## K700 LOAD CAPACITY RATINGS

Total Load KW	Voltage	Load Steps KW
500	240/480	5, 10, 10, 25, 50, 100, 100, 200
500	240/480	100, 200, 200
500	300/600	5, 10, 10, 25, 50, 100, 100, 200
650	240/480	5, 10, 10, 25, 50, 50, 100, 200, 200
650	240/480	50, 100, 100, 200, 200
650	300/600	5, 10, 10, 25, 50, 50, 100, 200, 200

### K700 SPECIFICATIONS

**BLOWER POWER:** 5 HP motor requires 208, 230/460 VAC 3 phase, 60 Hz power; switch selectable for external source or from source under test.

**CONTROL POWER:** 120 V, single phase, 50/60 Hz.

**CONSTRUCTION:** Rugged aluminized steel enclosure with hinged front doors for easy access and quick connections. Four casters with 5" rubber wheels – two fixed and two lockable swivel type. Forklift channels provided for simplified handling.

**RESISTIVE ELEMENTS:** Wound coils of chromium alloy rigidly supported. Coils operate at one half of rated temperature to ensure long life.

**PROTECTIVE CIRCUITS:** Individually fused load steps. Overtemperature sensor, and an airflow switch to automatically drop load in the event of insufficient airflow.

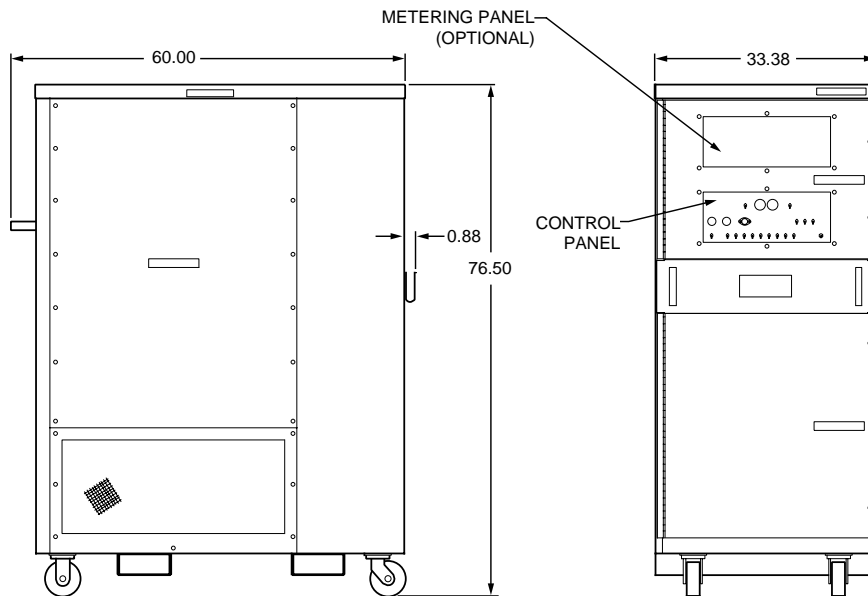
Fuse protected motor and control circuits. Motor is also protected by overload relays.

**CONTROLS:** Logically placed controls for simplified operation include a POWER ON/OFF switch, MASTER LOAD ON/OFF switch, VOLTAGE SELECT 240/480 switch, FAN ROTATION switch, a blower motor POWER SELECT INTERNAL/EXTERNAL/230/460 V and load step switches.

**WEIGHT:** Approximately 1200 Lbs.

#### OPTIONS:

- Control Transformer
- Digital Metering Unit (Volts/Amps/Hz/KW)
- 1 KW Load Step Resolution
- Running Time Meter
- Vinyl Dust Cover



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

