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# RESISTIVE LOAD BANK

200 to 500 KW

- Outdoor Installation
- 208, 480, 240/480, 380, and 300/600 Volt Designs
- Built-in Forklift Channels
- Needs No Cool Down Period
- Optional DC Designs

## MODEL K675A



QUALITY SYSTEM CERTIFIED TO  
**ISO 9001**

**T**he Model K675A Load Bank is designed for permanent outdoor installation when 200 KW to 500 KW of load is required. The K675A series is designed and built to incorporate the latest state-of-the-art load bank features.

The K675A requires no cool down period after load is dropped. The contactors are housed in a thermostatically controlled heated enclosure for protection against condensation related problems.

The load bank contains resistive elements and a blower motor in a rigid structure of formed heavy gauge aluminized steel. Designed for outdoor installation, the load bank utilizes a fixed louver on the exhaust opening to protect the motor and resistive elements from the weather.

The K675A is available with ratings of 200 KW to 500 KW. The K675A is provided with single voltages of 208, 380, or 480 and dual voltages of 240/480 or 300/600, with a load step resolution of either 5 KW, 20 KW, or 50 KW.

*The 675A is used in the generator and UPS industries. This unit is designed to be permanently mounted for dedicated, on-site testing.*

*Mobile trailer mounted load banks and portable units are also available. Contact your Avtron sales representative at (216) 641-8310.*

## K675A AVAILABLE RATINGS

Max. KW	Rated Voltages (L-L)	Resolution (KW)
200	480, 240/480, 380, 300/600	5 or 50
	208	5 or 20
250	480	5 or 50
	208	5 or 20
300	480, 240/480, 380, 300/600	5 or 50
	208	5 or 20
400	480, 240/480, 380, 300/600	5 or 50
500	480, 240/480, 380, 300/600	5 or 50

### K675A SPECIFICATIONS

**CONSTRUCTION:** The load bank enclosure is constructed of heavy gauge aluminized steel. A fixed louver is provided on the exhaust opening. The permanent base has built-in forklift channels and is designed for outdoor mounting on floor, roof, or concrete pad.

**RESISTOR ELEMENTS:** The fully supported Helidyne™ resistive elements are designed by Avtron and manufactured of corrosion resistant chromium alloy wire.

**CONTROL POWER:** The unit requires control power of 120 volts, single phase, 60 Hz. (Control power transformer optional).

**COOLING:** The resistive elements are air cooled by a self-contained 1, 2, or 5 HP blower. Blower HP varies with Load Bank maximum KW.

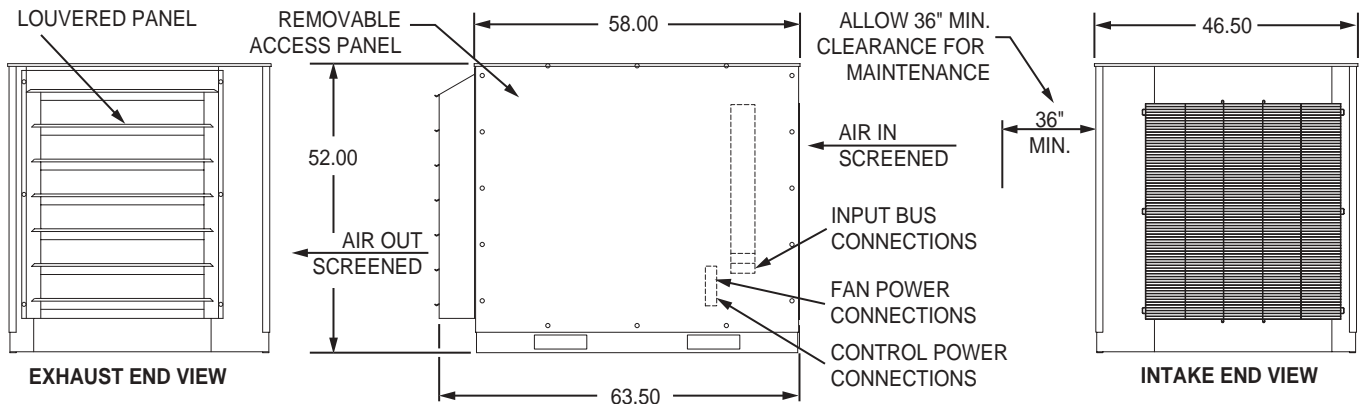
**PROTECTION:** The K675A is equipped with an exhaust temperature sensor and differential air pressure switch. The switches are electrically interlocked to remove the load if the air flow is not sufficient to produce proper cooling.

**CONTROLS:** Contactors are protected in a thermostatically controlled heated enclosure.

The 19" rack-mountable control panel for indoor use includes a POWER ON-OFF switch, a POWER ON light, a BLOWER ON-OFF switch with a BLOWER FAILURE light, and MASTER LOAD ON-OFF switch, a VOLTAGE SELECTION 240/480 or 300/600 switch (optional) and load step switches. Optional 11" x 19" x 9" enclosure available for outdoor or indoor wall mounting.

#### OPTIONS:

- Digital Metering (V, A, KW, Hz)
- Meter and Control Panel Enclosure
- Control Power Transformer
- Automatic Load Shedder
- 1 KW Load Step Resolution



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