



# Minuteman Load Bank

## Model LPC-100

100 KW

The **NEW**  
**STANDARD**

in ultra-  
compact  
load banks!



The *ALL-NEW* Avtron Minuteman Load Bank is a portable, self-contained AC resistive load bank designed for indoor use.

The load bank is the new standard in ultra compact load banks! The load bank provides up to 100 KW resistive load at 480 VAC or 240 VAC, 3-phase, 60 Hz. Weighing only 78 pounds, this versatile load bank is lightweight and ultra-compact. The load bank is also rated for *continuous* operation, unlike competitive units. The Minuteman Load Bank features horizontal air discharge to provide a low profile design. Fully-rated, quick-connect load terminals and simple operation allow the load bank to be set up and operated by a single technician, saving valuable time in

the field. The load bank controls and cooling fans are powered by any standard 120 VAC, single-phase wall outlet with detachable line cord provided. An integral control panel is provided for load bank operation and includes the necessary controls and status indicators. The load bank also includes the Avtron Advanced Digital Monitoring System (ADMS)<sup>™</sup> as a standard feature. The ADMS meter provides faceplate digital display of Volts, Amps, Frequency, and KW. Data Logging Software (included at no additional cost) allows Real Time Data Acquisition and trending of all meter parameters from your Laptop PC or PDA. An Infrared/USB interface cable is included for "Plug and Play" convenience. Legendary Avtron quality combined with simple operation and maintenance will provide years of trouble free service.

### ULTRA-COMPACT PORTABLE LOAD BANK

- Rated for Continuous Operation
- Ultra-Compact, Portable, Easy to Transport and Operate
- Large Load Capacity - up to 100 KW
- Lightweight Aluminized Steel Enclosure - only 78 lbs. [35 kg]
- Load Cables and Hard Shell Travel Case are Included
- Convenient Operator Controls with Digital Metering and Data Logging Software Included

# Model LPC-100

## LPC-100 RATINGS:

### THREE PHASE

at 480 or 240 VAC:

load steps are 12.5, 12.5, 25, 25, & 25 KW for a total of 100 KW.

at 208 VAC:

load steps are 10, 10, 20, 20, & 20 KW for a total of 80 KW.

### SINGLE PHASE

at 120 VAC:

load steps are 1.7, 1.7, 3.3, 3.3, & 3.3 KW for a total of 13.3 KW.

at 240 VAC:

load steps are 6.6, 6.6, 13.2, 13.2, & 13.2 KW for a total of 52.8 KW.

## CONTROL POWER:

The load bank requires control power of 120 VAC, 1-phase, 60 HZ (line cord provided).

## CONTROLS:

The operator control panel includes a MASTER LOAD ON-OFF switch, individual load-step ON-OFF industrial toggle switches, a CONTROL POWER ON-OFF switch, and a LOAD VOLTAGE selector switch.

## COOLING:

The resistive elements are air-cooled by eight high velocity muffin fans.

## LOAD CABLES:

The load bank includes a 10' cable set with fully-rated, quick-connect load terminals.

## TRAVEL CASE:

The load bank comes standard with a hard-shell protective travel case on casters with a telescoping handle.

## DIGITAL METERING:

Avtron Advanced Digital Monitoring Systems (ADMS)<sup>™</sup> is provided for display of Volts, Amps, Frequency, and KW. ADMS<sup>™</sup> also includes Data Logging Software at no additional cost.

## SAFETY FEATURES:

The Minuteman Load Bank features multiple-array overtemperature protection and wrong voltage detection circuitry. Load Bus is short circuit protected by main line fuses (one for each phase).

## WEIGHT:

Approximately 78 lbs. [35 kg]

## OUTLINE DRAWING

ADMS<sup>™</sup> is a trademark of Avtron.  
All dimensions are in inches [millimeters].  
Specifications subject to change without notice.

