



## Minuteman Model LPC-100

Ultra-Compact, Portable Load Bank  
100 KW



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

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

The Minuteman Load Bank is the new standard in ultra-compact, portable load banks! The load bank provides up to 100 KW resistive load at 480 VAC or 240 VAC, 3 phase, 60 Hz. This versatile load bank weighs only 78 lbs. [35 kg], is lightweight and ultra-compact. The load bank is also rated for *continuous* operation, unlike most 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.

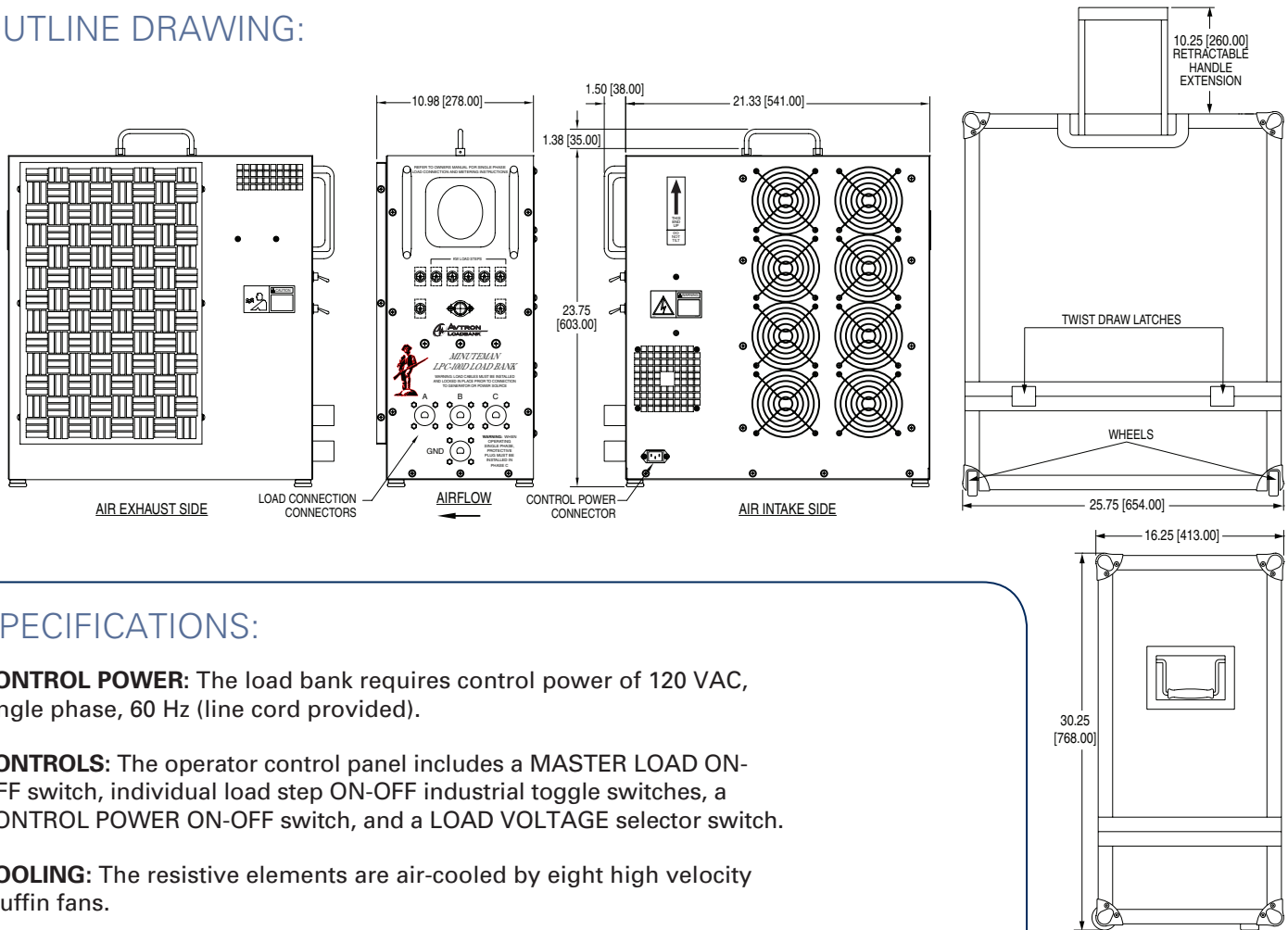
Legendary Avtron quality combined with simple operation and maintenance will provide years of trouble free service.

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](mailto:LBsales@avtron.com).

# Minuteman Portable Load Bank (Model LPC-100)

## OUTLINE DRAWING:



## SPECIFICATIONS:

**CONTROL POWER:** The load bank requires control power of 120 VAC, single 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' [3048] cable set with fully-rated, quick-connect load terminals.

**TRAVEL CASE:** The load bank comes standard with a hard-shelf protective travel case on casters with a telescoping handle.

**DIGITAL METERING:** Avtron Advanced Digital Monitoring System (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:

Load Bank is approximately 78 lbs. [35 kg]

Load Bank, Case, & Cable Set is approximately 140 lbs. [63.5 kg]

### 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

ADMS<sup>™</sup> is a trademark of Avtron LoadBank, Inc.

Communicator EXT<sup>™</sup> is a trademark of Electro Industries/GaugeTech.

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



Quality System Certified to ISO 9001

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