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# PATRIOT LOAD BANK

500-700 KW

## 500-700 KW PORTABLE LOAD BANK

- Portable for Load Testing at Multiple Sites
- Compact Easy to Transport and Operate
- Extra Large Load Capacity – up to 700 KW
- Rugged Aluminized Steel Enclosure with Casters
- Convenient Operator Controls with Digital Metering and Data Logging Software Included



QUALITY SYSTEM CERTIFIED TO  
**ISO 9001**

**T**he Avtron Patriot Load Bank is a portable, self-contained unit that simulates electrical loads. It is ideal for routine load testing of standby diesel generating systems at remote sites or for factory production line testing of (UPS) Uninterruptible Power Supplies, turbines, or engine generator sets. This model provides resistive loading up to 700 KW at either 240/480 Volts AC in a convenient, and easy-to-use package.

The load bank features vertical air discharge and a narrow width to fit through standard doorways and freight elevators. The unit is simple to set up and operate by a single technician, saving valuable time in the field. An optional control power transformer is also available for sites where 120 VAC power is not readily available.

The new standard in digital metering includes the Avtron Advanced Digital Monitoring System (ADMS)<sup>™</sup>. The ADMS<sup>™</sup> meter provides faceplate digital display of Volts, Amps, Frequency, and Power measurements. The Communicator EXT<sup>™</sup> Data Logging Software 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.

The Patriot load bank incorporates state-of-the-art design features, including a heavy gauge aluminized steel enclosure, continuously supported resistor elements on stainless steel rods, and an industrial blower.

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

*The Avtron Patriot Load Bank is ideal for routine testing and maintenance of AC power sources such as stand-by emergency generators and UPS systems.*

*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).*

# PATRIOT LOAD CAPACITY RATINGS

Total Load KW	Voltage Rating	Minimum Load Step Resolution KW
700	240/480 VAC, 3 Phase, 60 Hz	5 or 50 KW
500	240/480 VAC, 3 Phase, 60 Hz	5 or 50 KW

## PATRIOT SPECIFICATIONS

**CONSTRUCTION:** Rugged aluminized steel enclosure with hinged front doors for easy access and quick connections. Two fixed and two lockable swivel casters provide mobility. Forklift channels provided for simplified handling.

**CONTROL POWER:** The Patriot load bank requires control power of 120 VAC, 1-Phase, 60 Hz (control transformer optional).

**COOLING:** The resistive elements are air-cooled by an integrally mounted three-phase blower, switch selectable for external source or from source under test. No additional cooling period is required when load is removed.

**CONTROLS:** The operator control panel includes a MASTER LOAD ON-OFF switch, load step ON-OFF industrial toggle switches, BLOWER ON-OFF push buttons with a BLOWER FAILURE light, and BLOWER AND LOAD VOLTAGE selector switches.

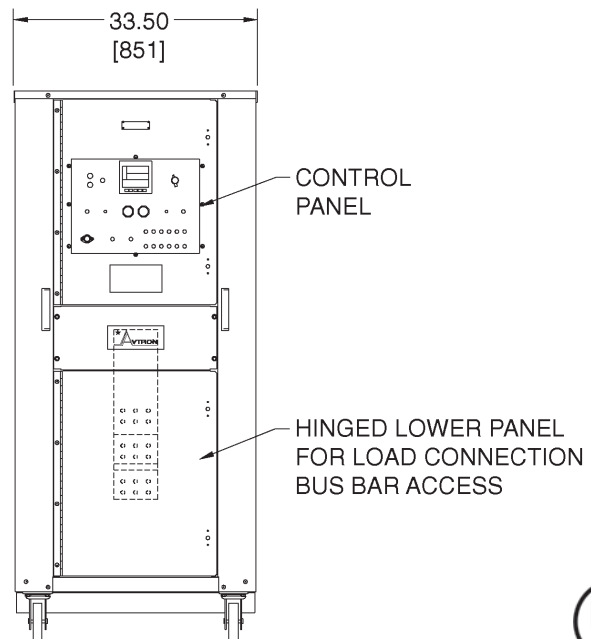
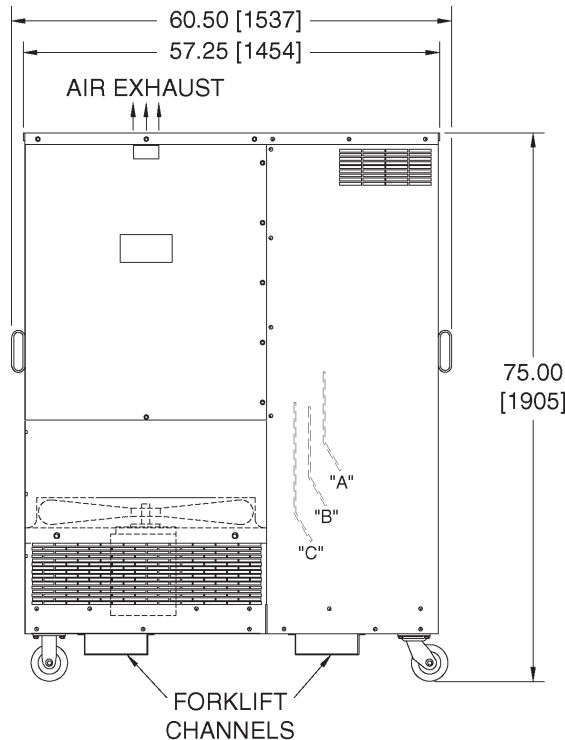
**DIGITAL METERING:** Avtron Advanced Digital Monitoring System (ADMS)<sup>™</sup> is provided for display of Volts, Amps, Frequency, and KW. ADMS<sup>™</sup> also includes Communicator EXT<sup>™</sup> Data Logging Software.

**SAFETY CIRCUITS:** The Patriot load bank features branch circuit fusing, wrong voltage protection, (dual voltage units only), motor overload protection, overtemperature protection, and cooling air loss protection.

**WEIGHT:** Approximately 1150 pounds [525 kg]

### OPTIONS:

- Control Power Transformer
- Vinyl Storage Dust Cover
- Designs for International 50/60 Hertz Voltages or Custom DC Designs are also available



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

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

