

# Avtron LTV

## High Capacity Trailer Load Bank - 1500 to 3000 KW

### Testing Your Emergency Standby Generator with a Load Bank Means Reliability When it Matters Most.

#### Key Features

- High Capacity in a Single Package
- Heavy Duty Dual Axle Trailer
- Travel/Storage Cover included
- Convenient Operator Controls with Digital Metering and Data Logging Software Included
- Optional Hand-Held Remote Controller

Superior 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@Emerson.com](mailto:LBsales@Emerson.com).

Quality System Certified to ISO 9001

### The Avtron Model LTV Load Bank is a resistive, trailer mounted unit that is ideal for high power mobile testing.

The Avtron LTV Trailer Mounted Load Bank is designed for very high power testing of large diesel generating systems, Uninterruptible Power Supplies (UPS), engine generator sets, or turbines at multiple sites.

Previously, trailer mounted load banks were limited to about 1250 KW maximum. The extra high capacity of the LTV load bank in a single mobile package eliminates the need to transport multiple load banks to a job site, saving both time and money.

The LTV Load Bank features the standard in Digital Metering which includes the Avtron Advanced Digital Monitoring System (ADMS™). The ADMS meter provides faceplate digital display of Volts, Amps, Frequency, and KW. The Communicator EXT™ 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.



*LTV 1500 KW Trailer mount Resistive Avtron Load Bank.*

# Avtron LTV

High Capacity Trailer Mounted Load Bank - 1500 to 3000 KW

## Specifications subject to change without notice.

### Construction

The load bank enclosure is made of heavy gauge aluminized steel with a polyurethane enamel paint. Vertical airflow directs hot exhaust air away from ground level and provides extra safety in an outdoor environment. The trailer features heavy duty welded construction with steel deck, dual axles, leaf spring suspension, 10,000 lbs. GVW, DOT approved. Electric brakes, 3" [76.2] adjustable lunette eye, safety chains, and stabilizer jacks are also provided.

### Resistor Elements

The resistive elements are designed by Avtron and manufactured of a corrosion resistant chromium alloy wire. Resistive elements are fully supported over their entire length with stainless steel rods for improved operating life.

### Controls

The controls and digital metering are housed in a single NEMA enclosure including a POWER ON-OFF switch, a POWER ON light, FAN ON-OFF push button with a FAN FAILURE light, OVERTEMPERATURE light, MASTER LOAD ON-OFF switch, PHASE ROTATION switch, and individual load step toggle switches.

### Cooling

The resistive elements are air cooled by multiple self-contained 10 HP fans rated at 460 volts, 3 phase, 60 Hz. No additional cooling period is required when load is removed.

### Digital Metering

Avtron Advanced Digital Monitoring System (ADMS™) is provided for display of Volts, Amps, Frequency, and KW. ADMS™ also includes Communicator EXT™ Data Logging Software.

### Safety Circuits

The LTV load bank features branch circuit fusing on all load steps. Motor overload protection, overtemperature protection, and cooling air loss protection are also provided.

### Load Capacity Ratings: (3 phase, 60 Hz)

Available Load Step Resolution: 5 or 50 KW

Rated KW	480 VAC
1500	✓
2000	✓
2500	✓
3000	✓

**NOTE** Other voltages and KW are available. Consult factory. Refer to Operation and Maintenance Manual for safe towing instructions.

### Load Bank Weight (approx.)

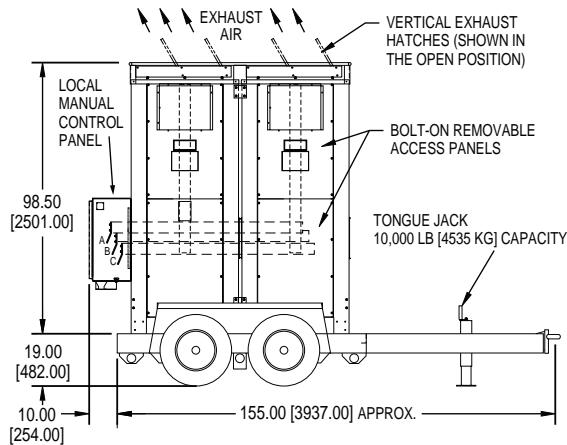
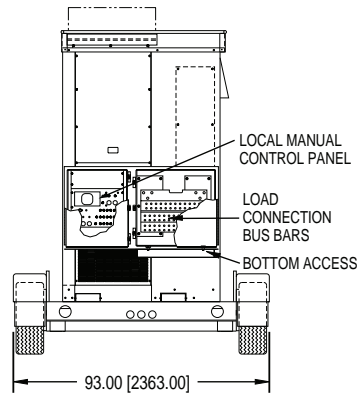
5500 - 8000 lbs. [2500-3630 kg]  
(depends on the ratings)

### Standard Features

- Local Meter and Control Panel with Enclosure
- Heavy Duty Vinyl Storage and Travel Cover with Tie Downs
- Control Power Transformer rated 480 V to 120 V, single phase, 60 Hz.

### Optional Features

- SIGMA™ Network Control
- Dual Voltage Blower and Control Power Transformer
- Hand-Held Remote Control Unit
- Hydraulic Surge Brakes
- Cable Storage Reels



All dimensions are in inches [millimeters].



Emerson Network Power

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