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FREEDOM LOAD BANK

100 KW

100 KW PORTABLE LOAD BANK

- Rated for Continuous Operation
- Compact, Portable, Easy to Transport and Operate
- Large Load Capacity – up to 100 KW
- Aluminized Steel Enclosure with Casters
- Convenient Operator Controls with Digital Metering Standard



QUALITY SYSTEM CERTIFIED TO
ISO 9001

The Avtron Freedom Load Bank is a portable, self-contained AC resistive load bank designed for indoor use. The load bank gives users the *freedom* of a high capacity load in an ultra compact package.

The load bank provides up to 100 KW resistive load at 480 VAC, 3-phase, 60 Hz and 93.75 KW at 240 VAC, 3-phase, 60 Hz.

Weighing only 105 pounds, this versatile load bank is less than half the weight and size of traditional load banks of similar capacity. The load bank features horizontal air discharge to provide a low profile design. 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, status indicators and a digital metering unit for monitoring volts, amps, kilowatts and frequency. Legendary Avtron quality combined with simple operation and maintenance will provide years of trouble free service.

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

Avtron's extensive load bank products are solid performers and are used the world over at thousands of sites.

For total support and information on Avtron's products, please contact your Avtron sales representative at (216) 641-8310.

FREEDOM LOAD CAPACITY RATINGS

Total Load KW	Voltage	Load Step Resolution KW
100 / 93.75	480 / 240 VAC, 60 Hz	5, 10, 10, 25, 50 / 3.75, 7.5, 7.5, 25, 50
100	600 VAC, 60 Hz	5, 10, 10, 25, 50
70	400 VAC, 50 Hz	3.5, 7, 7, 17.5, 35

FREEDOM LOAD BANK SPECIFICATIONS

CONSTRUCTION: A compact aluminized steel enclosure with screened inlet and exhaust openings houses the Freedom load bank. Four swivel casters provide mobility. Heavy duty lifting handles are also provided.

CONTROL POWER: The load bank requires control power of 120 VAC, 1-Phase, 50/60 Hz (line cord provided).

COOLING: The resistive elements are air-cooled by four high velocity muffin fans for quiet operation.

CONTROLS/METERING: The operator control panel includes a MASTER LOAD ON-OFF switch, load step ON-OFF industrial toggle switches, a BLOWER ON-OFF switch, and a LOAD VOLTAGE selector switch. A digital

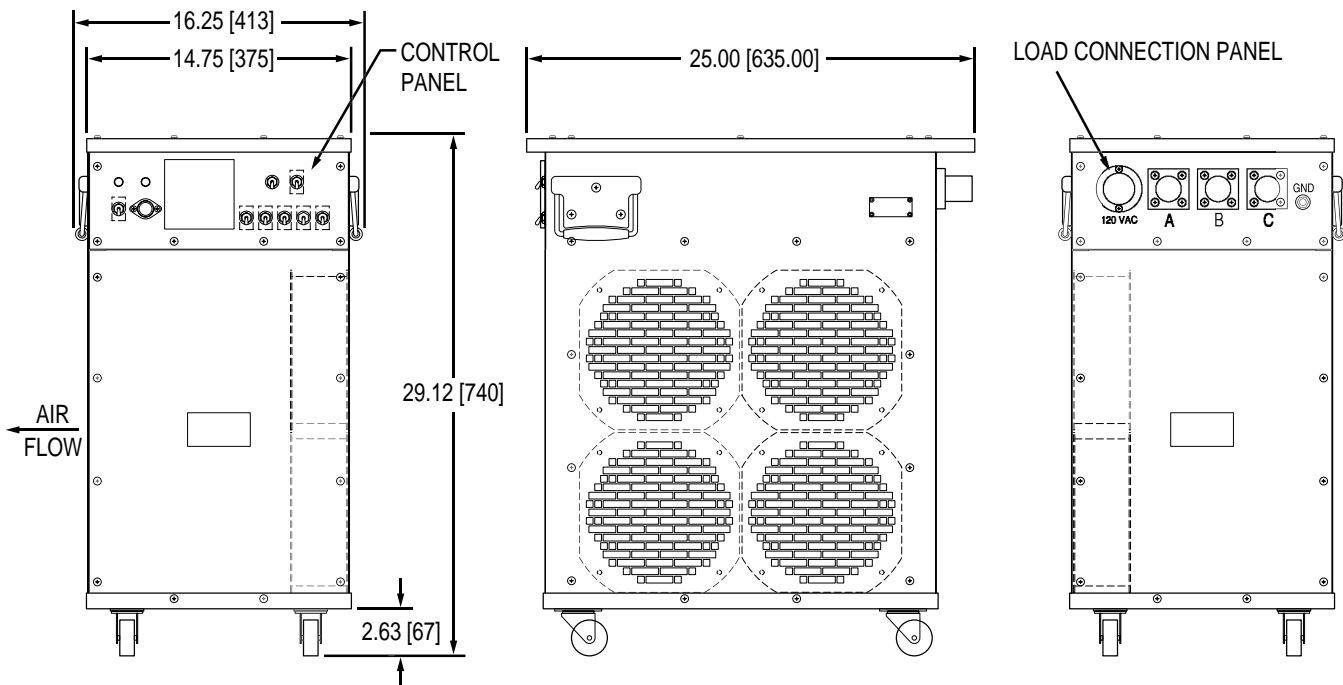
power metering unit to measure volts, amps, frequency, and KW is standard.

SAFETY CIRCUITS: The Freedom load bank features main line circuit fusing, wrong voltage protection (dual voltage unit only), and overtemperature protection.

WEIGHT: Approximately 105 pounds [48 kg]

OPTIONS:

- 20 foot cable set with connectors
- Heavy Duty Shipping Case
- Optional DC versions also available



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