

## LP Series Portable Load Banks

Load Banks Direct, LLC is a leading manufacturer of high-capacity Load Banks. The LP Series of Portable Indoor Load Banks offers the most robust, high-capacity designs in the industry. LBD is setting the standard with intelligent operator controls, safety indication layouts, adjustable load step resolution and lightweight designs. The LP Series of portable products is the perfect solution for regularly scheduled maintenance testing and commissioning of mission-critical standby emergency power systems.

- > Industry-leading, robust, compact, lightweight designs
- > Rated for continuous duty with no cool-down period
- > Quick-connect, color-coded Cam-Lok power connectors
- > Branch circuit fusing virtually eliminates catastrophic failure
- > Intelligent Safety Circuits, Indicators, and Operator Controls

## PowerDyne™ | When Quality Matters

PowerDyne™ Resistors are the most rugged in the industry and can handle the rigors of over-the-road use. They are fully supported across their entire length within the air stream by stainless steel support rods which are insulated with heavy-duty, high-temperature ceramic insulators. Load step stability is maintained by conservative resistor designs.

## Construction | Built to Last

LBD products are constructed of galvanized steel with the highest quality durable powder-coat paint finish. Portability and ease of positioning are provided with moving handles and heavy-duty casters. Tie-down provisions allow for secure transportation to and from job sites.



## Quick Connects When Time Matters

All LP Series Portable Load Banks come equipped with fully-rated, industry exclusive Cam-Lok power connectors which are color coded for operator safety and ease-of-phase identification. Protective snap-back covers provide added safety during storage and operation.



# Portable Load Banks

200kW, 500kW and 800kW

400 Volt AC ■ 3-Phase ■ 50 Hertz

## Operator Protection | When Safety Matters

LP Series Portable Load Banks come equipped with an Emergency-Stop push button allowing the operator to take the unit off-line should a critical hard-stop condition occur. Branch circuit fuse protection provides short-circuit fault protection of all load steps eliminating the potential for catastrophic failure. Blower On, Motor Overload, Air-Flow Failure, and Over-temperature circuits disable all load steps during a fault condition with operator visual indicators. The Load Dump circuit provides the operator visual indication if all load steps have been removed.

## Operator Controls

- > Emergency Stop (E-Stop)
- > Illuminated Main Power On/Off switch
- > Illuminated Blower Start/Stop Push Button
- > Fan-Phase Reversal switch
- > Master Load On/Off switch
- > Individual Load Step Switches
- > Fault condition smart indicators provide operator display and load disconnect during Air-Flow Failure, Overtemperature, Motor Overload and Load Dump



## Digital Power Meter

A fully equipped, 3-phase Digital Power Metering System that measures a standard range of 16 load parameters. Includes RS485 (Modbus protocol) for remote reading - compatible with PC, PLC, and data loggers.



## Control Power

All control circuits are powered by an integral 400:115 Volt AC, 1-Phase, 50 Hertz Control Power Transformer which is wired to the blower motor circuit and is both primary and secondary fused.



# Your Complete Solutions Provider

400 Volt AC ■ 3-Phase ■ 50 Hertz

Model	Power Rating (KW)	Resolution	Dimensions [mm] Width x Depth x Height	Weight [kg]
LP200	200	5 KW	675 x 840 x 1220	125
LP500	500	5 KW	850 x 1230 x 1590	410
LP800	800	5 KW	850 x 1230 x 1945	590



## Cooling System

> Integrally mounted blower motor with high-performance, direct-driven fan blade delivers the required airflow volume (CFM) for cooling resistor load elements



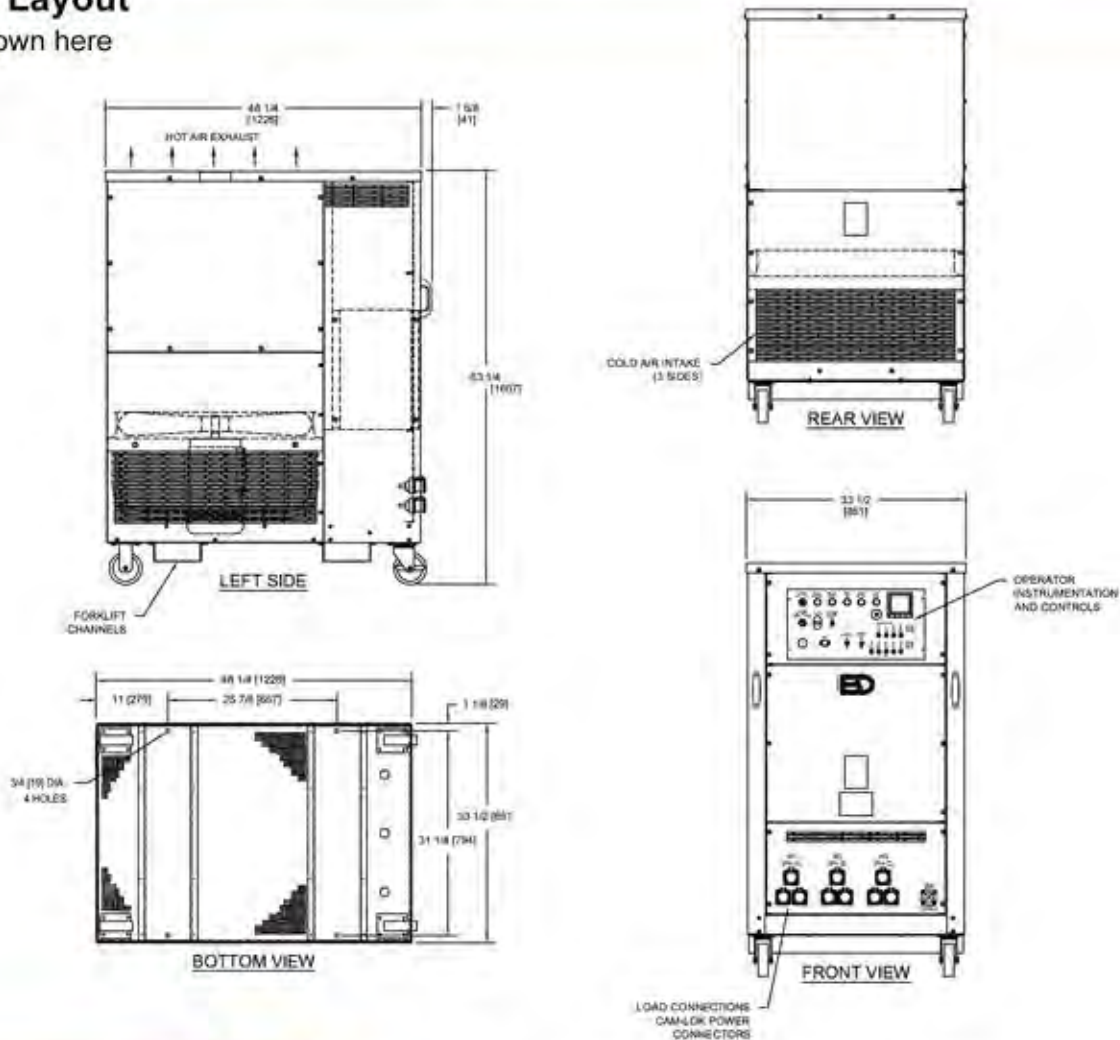
> Blower motor is selectable to operate internally off the main input load bus or from an external 3-phase power source

> Motor circuits are short-circuit protected by current-limiting fuses and thermally protected by overload relays

> Convenient operator Fan-Phase Reversal switch is provided with 3-phase motors

## Typical Layout

500kw shown here



## Your Complete Solutions Provider

LBD's complete line of portable and stationary Load Bank products offers industry exclusive load testing solutions for generator set dealer/distributor networks, service arms, rental companies, end users, and original equipment manufacturers of generator sets, UPS systems, turbines, fuel cells, wind power and battery systems.

**LBD is your factory-direct complete solutions partner.**

