

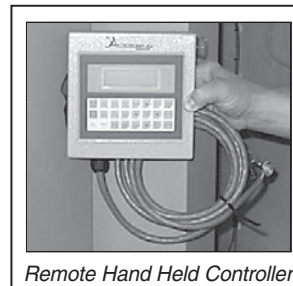
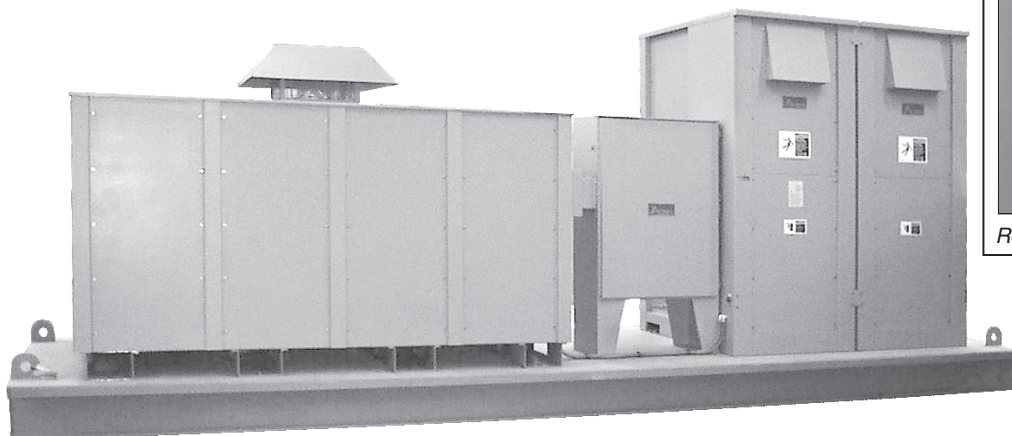


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## HIGH CAPACITY RESISTIVE/REACTIVE PORTABLE LOAD BANK

1875 to 2500 KVA

### MODEL LPS



Remote Hand Held Controller

- Resistive and Reactive Loading
- Outdoor Weatherproof Design
- Single Point Load Connection
- Modern Hand Held PLC Controller
- Aluminized Steel Construction
- Vertical Air Discharge

**T**he Avtron Model LPS Load Bank System provides an economical and convenient means for high capacity resistive and reactive loading of AC power systems such as diesel generator sets, turbines, or Uninterruptible Power Supplies (UPS). Many specifications and local codes demand that such testing be performed at less than unity power factor, typically 0.8 p.f. lagging.

To achieve a 0.8 power factor, the LPS combines resistive load (KW) with reactive load (KVAR). This combination provides a true test of the actual generator or UPS nameplate rating (KVA) and simulates a "real world" load.

The LPS features a durable, water resistant and lightweight remote Hand Held Controller. This controller is "user friendly" and controls the functions of the entire system. The controller displays Volts, Amps, Frequency, KW, KVAR, KVA, and Power Factor along with any alarm conditions.

The Avtron LPS System is integrated on a rugged structural steel skid with provisions for overhead, four point lifting.

*The Model LPS load bank is ideal for high power resistive and reactive testing of AC generating systems in factory production lines or in the field after installation.*

*For complete information on all Avtron load banks and assistance in selecting the right load bank for your application, contact your Avtron sales representative at (216) 573-7600.*

## LPS LOAD CAPACITY RATINGS

Total Load KVA at 0.8 p.f.	Resistive Load KW	Reactive Load KVAR	Minimum Load Step Resolution
1875	1500	1125	5 KW, 3.75 KVAR
2500	2000	1500	5 KW, 3.75 KVAR

Standard voltage is 480VAC, 3 Phase, 60 Hz. Other voltages and frequencies are available – consult factory.

## LPS SPECIFICATIONS

**CONSTRUCTION:** The system consists of individual resistive and reactive load banks, and a load connection box factory mounted on a rugged structural steel skid. All load bank exterior panels are constructed out of aluminized steel for superior corrosion protection. Hot air exhaust is vertical away from personnel.

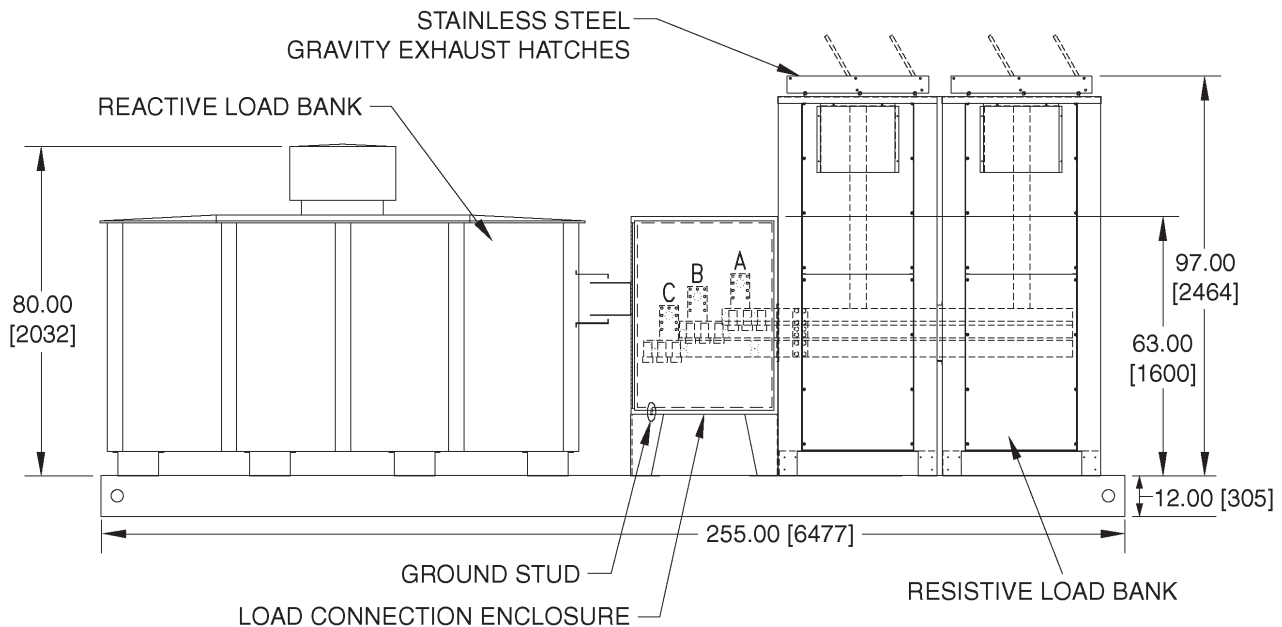
**CONTROLS:** The entire system is controlled by a rugged, compact (7"x7"x2"), lightweight Hand Held Controller. The controller is easy to operate and load values are activated by pressing a membrane style keypad. All resistive, reactive, jog, and blower functions are displayed on an LCD display. A hard wired E-Stop pushbutton is provided on the controller. The controller communicates to load bank PLC via a 200 foot cable with an MS style connector.

**RESISTOR ELEMENTS:** The resistive elements are manufactured from corrosion resistant chromium alloy wire and are fully supported on stainless steel rods for long life.

**REACTIVE ELEMENTS:** The reactive elements are non-saturating single and 3 Phase iron core reactors impregnated with a high dielectric varnish.

**COOLING:** The LPS resistive elements are cooled by two integrally mounted fan motors each rated 10HP, 460VAC, 3 Phase, 60 Hz.

**PROTECTION:** The LPS features branch circuit fusing on all load steps and overtemperature protection. Air switches on the fans are electrically interlocked to remove load if airflow is not sufficient to provide proper cooling.



APPROX. WEIGHT: 13,000 LBS. [5,900 KG.]  
APPROX. WIDTH: 76.00 [1930]

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



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