RL SERIES RESISTIVE - REACTIVE LOAD BANKS

1250 kVA - 1875 kVA
0.80 Power Factor

High Capacity

Ideal for testing and maintenance of large AC power systems at rated kVA

Weatherized & Self Contained

Built for harsh environments, the RL Series has a modular design with isolated resistive and reactive loads

Trystar, LLC is a leading manufacturer of high-capacity Load Banks. The RL Series Resistive- Reactive Load Banks offers a 0.80 power factor load and is designed for testing large generators, switchgear, transformers and UPS systems. The structural skid with fork lift pockets allows for portability and is ideal for shipyards, power plants, OEMs and data centers. The RL Series is the perfect solution for regularly scheduled maintenance testing and commissioning of mission-critical standby emergency power systems where rated kVA, rated power factor and rated current testing is required.

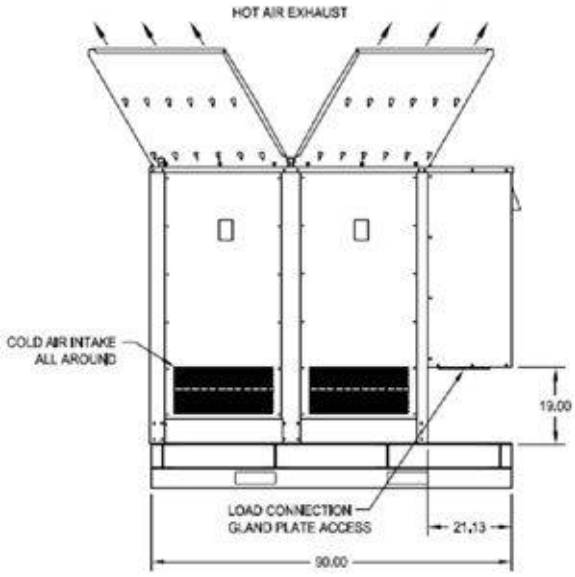
Inductive Load Elements | Reliable Every Time

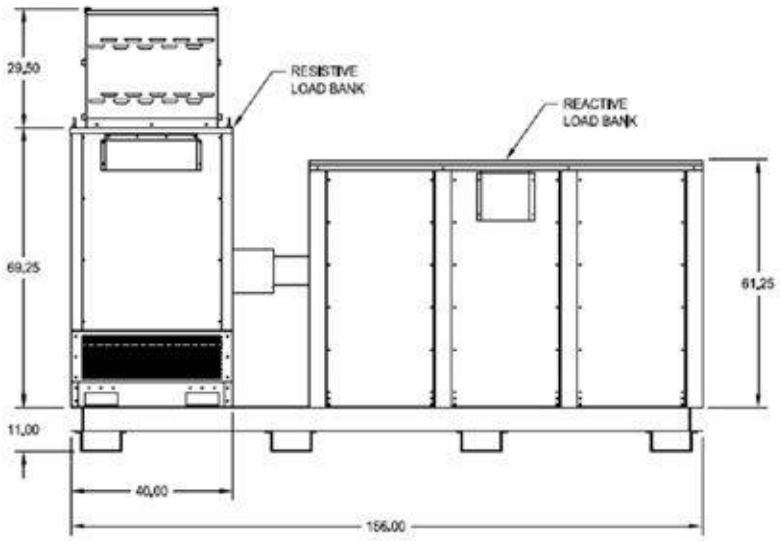
The load inductors are iron core, copper wound, air-gap calibrated and are rated for continuous duty. RL Inductors are conservatively designed to minimize power factor and waveform distortion. Each load inductor coil is air cooled and thermally protected with thermal switches embedded within each coil winding. Inductors are treated with a highly durable VPI epoxy process and oven-cured for maximum reliability. The inductor load enclosure is constructed from heavy gauge steel with an independent ventilating system, and is interconnected to the resistive load through a sealed bus raceway. The load inductors are securely mounted to the structural base and are field replaceable.

PowerDyne™ Resistive Elements | When Quality Matters

PowerDyne™ Resistors are the most rugged in the industry and can handle the rigors of transit vibration and continuous testing. They are fully supported across their entire length within the air stream by stainless steel support rods which are insulated with heavyduty, hightemperature ceramic insulators. Change in resistance is minimized by maintaining conservative resistor designs. All load enclosures are constructed from heavy gauge steel with the highest quality durable powder-coat paint finish, and external stainless steel fasteners.

OUTLINE DRAWING





SPECIFICATIONS

Standard Capacities

kVA @ 0.80 pf	kW	kVAR
1250	1000	750
1500	1200	900
1562	1250	937.5
1875	1500	1125

Standard Voltages

480 Volts AC, 3-Phase, 60 Hertz

600 Volts AC, 3-phase, 60 Hertz

Resolution

3.75 kVAR/ 5 kW

Airflow

Side intake

Vertical discharge

Cooling

(2) High-Performance 7.5 / 10 HP Blower Motors Wired to main input bus or to external source

Power Wiring

150C insulated, EPDM

Power Connection

Direct to plated bus bar

Dimensions

90”W x 156”L x 110”H

Weight

8000-12,000 lbs

TRYSTAR®

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