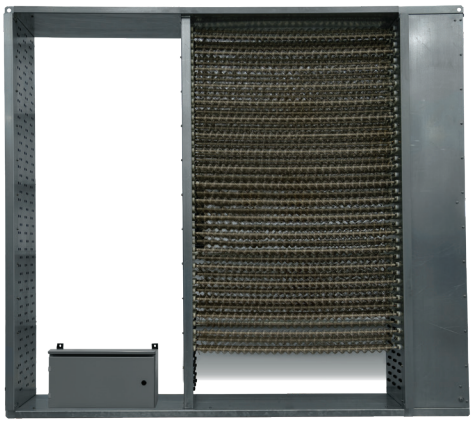
RADIATOR DUCT MOUNTED LOAD BANKS

10KW-1200KW

TRYSTAR

LD SERIES RADIATOR DUCT MOUNT

Trystar is a leading manufacturer of high-capacity Load Banks. The LD Series of Radiator Duct Mounted Load Banks offers simple, easy to mount, economical solution for providing diesel generators with a supplemental load to minimize the effects of wet-stacking during operation under lightly loaded conditions. Trystar is setting the standard with intelligent operator controls, safety indication layouts, and adjustable load step resolution. The LD Series of duct mounted load banks provides a cost-effective solution for regularly scheduled maintenance testing of mission-critical standby emergency power generators.



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POWERDYNE™ WHEN QUALITY MATTER

PowerDyne™ Resistors are the most rugged in the industry. 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

LD Series of Duct mounted load banks are constructed of formed galvanized steel in an open-frame for direct mounting/coupling to the engine cooling system. The open frame houses the resistor load elements and contains an integral side-enclosure for customer load connections, load step contractors, controls and fusing. The rigid enclosure provides an open-air cross-sectional opening of the load resistors designed to match the opening of the engine radiator or exhaust air duct.

- Cost-effective solution for routine generator testing
- Reduce engine wet-stacking / improve engine emissions
- Branch circuit fusing virtually eliminates catastrophic failure
- Intelligent safety circuits, indicators, and operator controls

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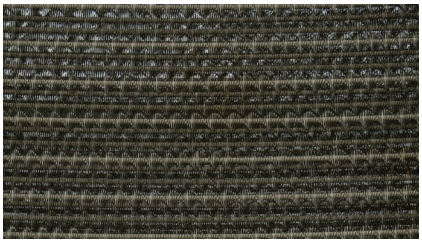
RADIATOR DUCT MOUNTED LOAD BANKS

FEATURES AND OPTIONS

TRYSTAR



KW LOAD CAPACITY

The LD Series of Radiator/Duct mounted load banks are available in any size range from 50KW through 1000KW at any available single phase and three phase Voltage (up to 600 Volts AC). They are intended for use as a supplemental load to the generator set and are typically sized at 50% of the generator KW rating.

COOLING SYSTEM

The Load Bank is directly mounted In-Line with the Engine Radiator Cooling Fan which delivers the required airflow volume (CFM) for cooling the resistor load elements.

OPERATOR CONTROLS

- Illuminated Main Power On/Off switch
- Master Load On/Off switch
- Individual Load Step Switches
- Fault condition smart indicators provide operator display and load disconnect during Over-Temperature or Load Dump

AUTOMATIC LOAD DUMP circuit provides user interface provisions to the generator controls, automatic transfer switch, or building management system, to disconnect and disable all load steps from a normally closed (NC) set of auxiliary contacts. In the event of an actual power failure, all load bank load is removed from the source under test.

REMOTE INDICATION AND ALARM contact closure [form-c-type normally open and normally closed] provides user interface to your building management system for indication, detection, and alarm of “Over-Temperature” and “Load Dump.

OPERATOR PROTECTION WHEN SAFETY MATTERS

LD Series Radiator Duct Mounted Load Banks come equipped with an integrated Operator Control Panel.

The Emergency-Stop push button allows 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.

Over-temperature circuits disable all load steps during a fault condition with illuminated indicator. The Load Dump circuit provides the operator visual indication if all load steps have been removed.

YOUR COMPLETE SOLUTIONS PROVIDER

Trystar’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.