Radiator Mounted Load Banks

Post Glover offers resistive load banks designed and built for radiator mounting in a variety of configurations and dimensions. Typically sized around 50% of the engine nameplate rating, these permanently mounted load banks eliminate wet-stacking problems and are useful for regularly scheduled testing. Available for use at 208 through 600 volts, the total load and individual steps can be coordinated to suit your particular application.

Controls can be mounted on the load bank itself or also available for remote rack mounting for easier access. The standard package includes fusing, master and step controls as well as indicating lamps. Manual control is standard for more than one step, while an automatic feature is an available option.

Features & Specifications

Rad-mounted load banks are available in a variety of configurations, allowing customers to choose the ratings and options they require without paying for features unnecessary to them. The basic features have been standardized, allowing for cost efficiencies and faster lead times owing to “in-stock” components.

Resistors
Post Glover makes its own spiralwound elements, which are perfectly suited for fan-cooled applications. The corrosion resistant wire presents little air resistance, creating a long-life resistor.

Cooling
Mounting the resistors in the path of the engine’s radiator fan provides cooling for the resistor elements. A thermal overload switch will trigger a drop of the load steps if an over-temperature condition (usually signaling fan failure) occurs.

Enclosure
Aluminized steel enclosures are used for their rigidity and corrosion resistance. Several standard sizes of openings and corresponding mounting flanges can be coordinated with ducting to insure a perfect fit; standard depths, depending on total power and resolution, are either 13” or 26”. Options are available for installation in a customer enclosure or as a NEMA 3R package.

Controls
Standard controls are mounted on the resistor element enclosure. The standard control package will include a single cam switch for power on, off, and master load on, and individual step switches. Should automatic Step Control be specified, a manual/auto switch is included.

Protection
Over-temperature sensors are standard, as is automatic load dump on loss of utility power. All steps are protected by either branch circuit or main fusing.

Control Power
120 volts, single phase, 60 Hz (customer supplied or from optional control power transformer).

Options
Directional ducting for the exhaust air, remote mounted controls, Automatic Step Control, PLC based controls, other control voltages and specific step resolution are available.

<table>
<thead>
<tr>
<th>Available Ratings</th>
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</thead>
<tbody>
<tr>
<td>Max kW</td>
</tr>
<tr>
<td>Resolution, kW</td>
</tr>
<tr>
<td>Rated Voltage (L-L)</td>
</tr>
<tr>
<td>Controls</td>
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<tr>
<td>-----------------------------</td>
</tr>
<tr>
<td>1000</td>
</tr>
<tr>
<td>5, 20, 25 or 50</td>
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<tr>
<td>208, 240, 480, 600</td>
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<tr>
<td>Integral</td>
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</tbody>
</table>
# Radiator Mounted Load Banks

## Radiator Mounted Load Banks – Quote Request Form

**Name**  
[Blank Line]

**Company**  
[Blank Line]

**City**  
[Blank Line]

**State**  
[Blank Line]

**Phone**  
[Blank Line]

**Fax**  
[Blank Line]

**Email**  
[Blank Line]

**Spec/Job #**  
[Blank Line]

**Quote due by**  
[Blank Line]

## Gen-set Specifications

Manufacturer:  
[Blank Line]

Model Number:  
[Blank Line]

Standby rating:  
[Blank Line]

Voltage:  
[Blank Line]

Phases/Wires/Hz:  
[Blank Line]

## Exhaust System

Flow at rated kW (cFM):  
[Blank Line]

Max. temperature (deg. F):  
[Blank Line]

Max. allowable back pressure at discharge (“H2O):  
[Blank Line]

## Load Bank Requirements

**Rating (kW):**  
[Blank Line]

**Voltage:**  
[Blank Line]

**Phases/Wires/Hz:**  
[Blank Line]

Min. load step:
- □ 5 kW  
- □ 20 kW  
- □ 25 kW  
- □ 50 kW

## Details

**Standard Features**  
- Main input power fuses  
- Auto load dump on utility outage  
- Adapter flange between radiator and load bank

**Options**  
- □ NEMA 3R exhaust hood  
- □ Digital metering  
- □ PLC based controls  
- □ Remote mounted NEMA 12 control panel  
- □ 120 VAC Control power transformer  
- □ Branch fuse protection  
- □ Support stand

Please attach any relevant specifications or other details to be considered in specifying this load bank.