



# **STADCO RAILGEN™ KITS**

## **STADCO CD/CF RAILCAR GENERATORS**

### **FOR COMMERCIAL OPERATORS**



Since 1990

Ready-to-install robust diesel generator systems. Purpose built specifically for railcar applications. Designed to provide continuous, prime or auxiliary power in a high quality, reliable, easy to operate and maintain package. Designed with the needs of the commercial owner/operators in mind. Quality Rail Generator Systems since 1990.

#### **Complete factory engineered package:**

Requires minimal field engineering for on-site installation. Installation requires: mounting to flat surface, connect fuel supply piping to fittings on engine, mount exhaust tailpipe, connect remote control panel wiring, furnish AC load wiring and furnish 24V batteries.

#### **Open Skid Base Design:**

Equipped with "Pusher" cooling fan for forced air ventilation of generator room through hot air discharge ducting (not provided). Engine/Generator unit mounted with high performance vibration isolators and crash stops. Basically, this package is a sociable prime power system designed to run 24/7 in demanding environments, with proper maintenance.

#### **Heavy Duty Industrial Quality:**

Capable of sustained heavy duty power output at continuous power, but also engineered to minimize carbon build-up or wet stacking conditions common with extended light duty operation. Expect normal service life of over 15,000 hours before overhaul.

#### **Complete Control System:**

Standard control configuration includes: control interface wiring harness, wired to distribution box to provide for choice of Remote control panels. Choice of Remote (In-car) control panels optionally available from Stadco or Stadco approved third party supplier. Refer to Bulletin #S121 for control panel information.

#### **Simplified Routine Maintenance Procedures:**

Full selective catalytic reduction exhaust aftertreatment with no DPF (diesel particulate filter) used. Oil drain hose attached to oil pan for convenient oil changes.

#### **Installation Flexibility:**

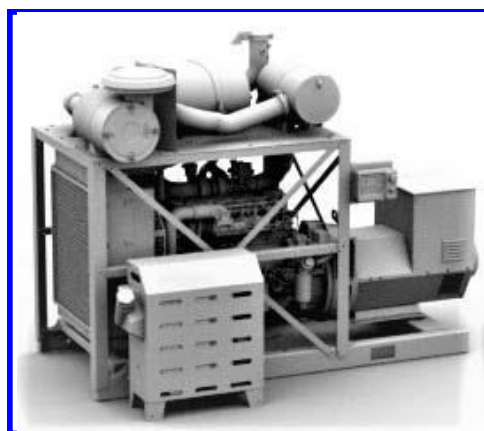
Designed for installation inside railway boxcar, baggage car, or locomotive as well as trucks and stationary applications. Installation instructions are included with operators manual as well as phone support and in person application assistance.

#### **Single Source Responsibility:**

Stadco is the single source, full service supplier for Railgens. **We design it - We build it - We support it.** Stadco warranty policy covers entire unit for 24 months or 3000 hours - Refer to warranty policy D34 on Stadco website for details.

#### **Comprehensive Product Support:**

• Comprehensive stock of spare parts • Full shop services • Road services • Complete rebuilding services • Phone technical support



**Model CF200T4F**

#### **Brief Specifications:**

- Refer to Stadco Sales Specifications S32 for more complete data.
- 200 kW, Model CF200T4F: Unit size (Approx): 103"L x 58"W x 73"H, Approx. Weight - 3,200 lbs.
- 475 kW, Model CD475T4F: Unit size (Approx): 138"L x 54"W x 92"H, Approx. Weight - 11,890 lbs.

**\*\*\*Note:** Dimensions are with DEF (diesel exhaust fluid) tank mounted in standard location.  
Tank can be moved to different mounted location by request or remote mounted.



## **MARK 5 SERIES RAILGEN**

**Quality Rail Generator Systems since 1990**



### **STANDARD EQUIPMENT:**

1. Premium quality Deutz and FPT Industrial diesel engine prime movers operating at 1800 RPM for longevity, reliability and quiet operation. All engines are EPA certified for exhaust emissions compliance. These engines have a proven track record for exceptional field reliability. Fuel economy is exceptional on all models.
2. Generator: Direct coupled, Class H insulation. Electronic voltage regulation. Operated at Continuous duty rating to allow for moderate non-linear (unbalanced) phase loading.
3. Available Dual-station control system offering an Engine start & stop panel, plus a main Remote control panel for remote mounting. Engine specific digital protection system monitors engine operating condition continuously. All-Digital AC and DC control systems are available.
4. Welded steel heavy duty unit frame supports generator set. Designed to withstand 8G impact.
5. Heavy duty dry air cleaner with dual safety elements. Air cleaner monitored via engine control.
6. Load circuit breaker: None (Must be Customer Supplied).
7. Critical quality muffler with 10' of S.S. flex tailpipe. Furnished loose for on-site installation.
8. All control circuits and wired to terminal strips or harness plug connector.
9. Fuel system: Fuel transfer pump, water separator filter and fine secondary filter mounted.
10. Cooling system: Purpose designed heavy duty welded aluminum heat exchanger radiator with pressure rating many times stronger than a conventional radiator. May be cleaned with a low pressure washer.

### **SUMMARY:**

Reference documentation: S32 Sales Specifications, S121 Control System, Rail Warranty statement D34, P23 Price List. **Request Railgen marketing package for complete set of information, data and pricing.**  
**Members of RPCA**

### **RELATED PRODUCTS:**

- ♦ **Stadco Railgen underslung generator systems. Available in 42, 50 and 80 KW sizes.**
- ♦ **Stadco CD Compact skid base generators: Available in 10, 15, 22, 42, and 50 kW sizes.**
- ♦ **Web Support: Visit [www.stadcogen.com](http://www.stadcogen.com) for sales & product support information.**