



# Stadco Cellpac™ - APU CP20 & CP25

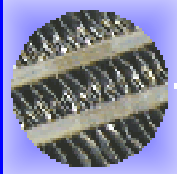


**Compartment Generator System  
Independent AC Power Source**

**Purpose built for vehicle compartment duty.  
Prime Power for Fire, Rescue & Utility Vehicles.**

**Performance Guaranteed!**

**PATENTED**



Cellpac Cooling system is located in a pressurized cabinet. High density, welded aluminum heat exchanger is technology borrowed from our Railgen™ generator systems. **Zero clearance requirements.**

## Model CP20 - 20kW

- **Size:** 39.4"Lx19.5"Wx28.3"H  
(Includes operating clearances)
- **Unit weight:** 750 lbs.
- **Rating:** 20.0KW Intermittent, 19.0KW Continuous
- **Output current:** 240/120VAC, 1-phase, 60 Hertz
- **Engine:** 3-cylinder diesel, liquid cooled.
- **Engine sound level:** 88 dB(A) @ 1 meter.  
72 dB(A) @ 7 meters.

## Model CP25 - 25kW

- **Size:** 46.6"Lx20.3"Wx28.1"H  
(Includes operating clearances)
- **Unit weight:** 860 lbs.
- **Rating:** 25.0KW Intermittent, 22.0KW Continuous
- **Output current:** 240/120VAC, 1-phase, 60 Hertz  
208/120V or 240V 3-Phase, 60 Hertz (Optional)
- **Engine:** 3-cylinder turbo diesel, liquid cooled/
- **Engine sound level:** 88 dB(A) @ 1 meter.  
72 dB(A) @ 7 meters.

• See S84 Sales spec. sheet for full details.

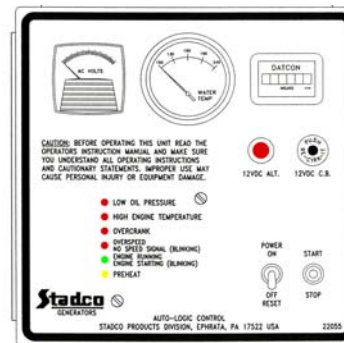
- Simple, uncomplicated, independent, AC power source.
- All self-contained in one compartment.
- Quiet, smooth, continuous AC power on demand.
- Whether on duty for 15 minutes or 15,000 hours; it doesn't matter. Cellpac generators were bred exclusively for tough 24/7 duty in compartments.
- Micro-Processor Engine Control and protection system virtually eliminates catastrophic failure events.
- Designed for closed door operation. Operates with cool compartment.
- Compact Modular design - Correct installation procedure is easier whether in a new or existing vehicle. Weather protection recommended.

• 1800 RPM diesel engine direct coupled to 4-pole AC Alternator

• **Specify Cellpac for compartment duty!**

- **Cellpac Stands up to the heat!** Stadco Cellpac Generators are purpose designed for compartment duty in hot weather with doors closed. • Tested up to 122°F (50°C) ambient temp. at Continuous rating.
- **NFPA 1901 Compliant:** 2 Hour load test compliant **at full Continuous load.**
- **Money Back Guarantee!** Refer to Stadco D25 Warranty.
- **Low Noise Level** • **Low environment impact. See back.**

## Standard #1556 Control System



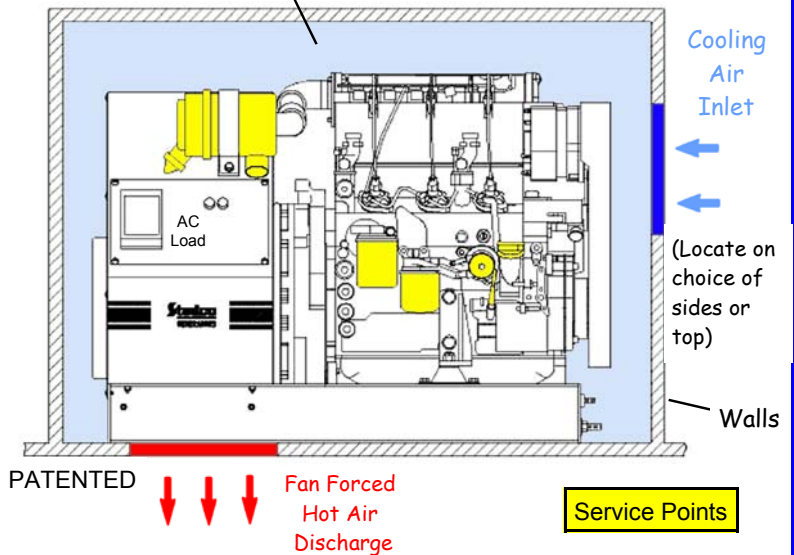
Fully automatic operation. Flat panel or wall box for remote mount. Includes 10' plug-in cord. Refer to bulletin #S112.

**CP20/25 - Completely independent AC power source!**  
**Purpose Designed For:**

- Compartment & enclosures on diesel vehicles.
- Mission critical applications.
- Extended service hours for 24/7 continuous duty.
- Smooth running 3-cylinder liquid cooled diesel @ 1800 RPM.
- Closed door operation & cool compartment interior.
- Extraordinary cooling system performance & reliability.
- Zero clearance requirements for cooling loop.
- Wide operating temperature range: 0°F to 122°F
- Automatic engine protection system; 3-point monitoring. See Bulletin #S121
- Easy, high integrity installation.
- Easy access to all routine service points.
- Field serviceability with known technology.
- High reliability; like our Railgen™ generator systems.

**Cellpac Operating Concept**

Cool air flows throughout compartment



**Advantages to owner:**

- Modular concept - factory finished - factory supported.
- Quiet, 1800 RPM easy starting engine.
- Higher level of reliability. Industrial quality.
- 4-pole AC alternator - higher motor starting power.
- Reliable high temp capable cooling system.
- Convenient access to routine service points.
- 500 hour routine engine service interval.
- Safety protection system continually monitors engine condition.
- EPA emissions compliant. Tier 4I. Cleanest EPA Category. (CP20)

**Advantages to installer:**

- Complete factory engineered power system package. Save about 50% on installation.
- Patented Cellpac cooling air management system designed specifically for enclosed environments.
- No on-site cooling system engineering requirements - simply provide air flow access holes as specified by Stadco for inlet and discharge of cooling loop. Cooling air inlet(s) permissible at multiple locations. (Consult operators manual)
- Low risk procedure. Reduced exposure to faulty installations and liability of warranty expenses.
- Wall mounted engine control panel with 10-foot connector cord. Accommodates standard fire apparatus control wiring interfaces.
- Installation package includes; control panel, heat insulated tailpipes, S.S. flex exhaust pipe and muffler.
- Convenient connections to vehicle battery and diesel fuel tank.



**GOING GREEN:**



Cellpac™ CP20 Generators may have the least environmental impact. Here's why:

- Cellpac CP20 generator power source: 34 hp mini-diesel running in optimized mode for clean emissions. Complies with the latest EPA emissions regulations, "Tier 4I". Exhaust after-treatment requirements: None.
- PTO driven generators (mechanical & hydraulic): Huge 250-500 hp diesel running at idle speed; the least efficient operating mode. Most will require exhaust after-treatment systems in 2010, which could limit engine idling capability.
- Belt driven generators: Essentially the same scenario as PTO driven generators.

Cellpac generators are true independent power units (APU) while PTO & Belt driven generators are all parasitic power units (PPU).

Cellpac generators have a tiny "Carbon Footprint" compared with all PPU generators.

**Stadco Support Services**

- Routine service provided by selling dealer or by Stadco.
- Toll free Stadco Technical Service hotline, call 1-800-377-2120. Stadco factory service training available.
- Maintenance & Service support information posted on website; www.stadcogen.com
- Stadco services: Shop and road service.
- **Supported by a 24 month or 2000 hour limited warranty per Stadco policy #D25.**

**Cellpac™ generators available in sizes ranging from 6-25KW.**

**Refer to Cellpac Sales Spec #S84**