

3620 KW STANDBY / 3300 KW PRIME | UL 2200 LISTED | EPA TIER 2 CERTIFIED

CATERPILLAR C175 PGAL DIESEL GENERATOR PACKAGE

The CAT C175 PGAL is a complete factory-packaged generator system designed for mission-critical standby and prime power applications.

Built with Caterpillar's proven C175-20 diesel engine and SR5 alternator, this package is UL 2200 listed and EPA Tier 2 certified for U.S. stationary emergency use.

Each unit is factory-assembled, tested, and ready for installation, ensuring reliable performance for hyperscale data centers, utilities, and industrial facilities.

APPLICATIONS



Data Centers



Hospitals



Industrial Plants



Oil & Gas Facilities



Government & Defense

FEATURES

- Complete factory-integrated generator package (engine + alternator + cooling + controls)
- UL 2200 and EPA Tier 2 certified for U.S. compliance
- Seismic-rated (IBC) design for critical installations
- High-efficiency direct-injection combustion and SCAC cooling for optimal performance
- Permanent magnet excitation for fast voltage recovery
- Mission-critical standby duty, ideal for hyperscale data centers and industrial facilities

KEY SPECIFICATIONS

ITEM	DETAILS
Model	CAT C175 PGAL / C175-20
Rated Output	3,620 kW (4,525 kVA @ 0.8 PF Standby) / 3,300 kW (4,125 kVA Prime)
Voltage / Frequency	480 V – 13.8 kV configurable / 60 Hz
Engine Type	C175-20, V-20, 4-stroke diesel
Bore × Stroke	6.9 in × 8.66 in (176 × 220 mm)
Displacement	6,456 in ³ (105.8 L)
Compression Ratio	15.3: 1
Aspiration	Turbocharged & Aftercooled (TA)
Turbochargers	4
Combustion System	Direct injection
Fuel System	Common rail
Fuel type	Diesel
Cooling System	SCAC (Separate Circuit Aftercooled)
Excitation	Permanent Magnet (PM)
Alternator	SR5, Frame N5968L4, 2-bearing design, 2/3 pitch, PM excitation, 4 leads, Stator RTD's, AR= 5851988, Class H insulation
Duty Rating	Mission-critical standby / prime
Fuel Consumption (Prime)	224.6 gal/hr @ 100 % load (without fan)
Heat Rate (Prime)	<i>Approx.</i> 9,770 BTU/kWh (~33 % efficiency)
Emissions Certification	U.S. EPA Tier 2 – Stationary Emergency
UL Listing	UL 2200 listed package genset
Seismic Certification	IBC & OSHPD pre-approved
Control System	CAT EMCP 4.4
Attenuation	Local NFPA/CSA attenuator and up to 5 Remote DIO module
Certification Year	2020
Quantity Available	15 units (total package)

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