



Category: Power Generators

Caterpillar CG132B-12 - Gas Power Generator (50 Hz, 600 kW / 600 kVA @ 1.0 PF)

Caterpillar CG132B-12 Gas Generator

Ratings & Electrical

- **Continuous Rating:** 600 kW / 600 kVA @ 1.0 PF
- **Frequency:** 50 Hz
- **Voltage:** 400/230 V (3-phase)
- **Maximum Electrical Efficiency:** 43.3% / 42.4%
- **Alternator Insulation:** Class H
- **Voltage Regulation:** $\pm 1\%$

Engine / Mechanical

- **Engine Model:** CAT CG132B-12 Gas Engine
- **Configuration:** 4-stroke, 12-cylinder, V-type, turbocharged & aftercooled

- **Displacement:** 27.0 L

Fuel & Consumption

- **Fuel Type:** Natural Gas, Biogas, Hydrogen Blend (up to 25%)
- **Fuel Consumption @100% Load:** ~590–610 m³/h (depending on gas type)

Cooling, Exhaust & Air

- **Cooling System:** Radiator-cooled, tropical rating
- **Exhaust Gas Temperature:** ~500–550 °C
- **Exhaust Gas Flow:** ~45–50 m³/min

Physical Dimensions & Weight

- **Dimensions (L × W × H):** ~5500 mm × 1800 mm × 2400 mm
- **Weight (approx.):** ~9500 kg (open set)

Alternator & Control

- **Alternator Frame:** Caterpillar or equivalent, Class H insulation
- **Control Panel:** Caterpillar electronic controller
- **Features:** Monitoring, protection & optional auto-start/stop