



Category: Power Generators

Caterpillar CG170-16K - Natural Gas Power Generator (50 Hz, 1500 ekW / 1500 kVA @ 1.0 PF)

Caterpillar CG170-16K Natural Gas Generator

Ratings & Electrical

- **Continuous Rating:** 1500 ekW / 1500 kVA @ 1.0 PF
- **Frequency:** 50 Hz
- **Voltage:** 400/230 V (3-phase)
- **Maximum Electrical Efficiency:** 40.9%
- **Alternator Insulation:** Class H
- **Voltage Regulation:** $\pm 1\%$

Engine / Mechanical

- **Engine Model:** CAT CG170-16K Natural Gas Engine
- **Configuration:** 4-stroke, 16-cylinder, V-type, turbocharged & aftercooled

- **Displacement:** 51.0 L

Fuel & Consumption

- **Fuel Type:** Natural Gas
- **Fuel Consumption @100% Load:** ~1500–1550 m³/h (natural gas)

Cooling, Exhaust & Air

- **Cooling System:** Radiator-cooled, tropical rating
- **Exhaust Gas Temperature:** ~550–600 °C
- **Exhaust Gas Flow:** ~100–110 m³/min

Physical Dimensions & Weight

- **Dimensions (L × W × H):** ~6500 mm × 2200 mm × 2700 mm
- **Weight (approx.):** ~16000 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