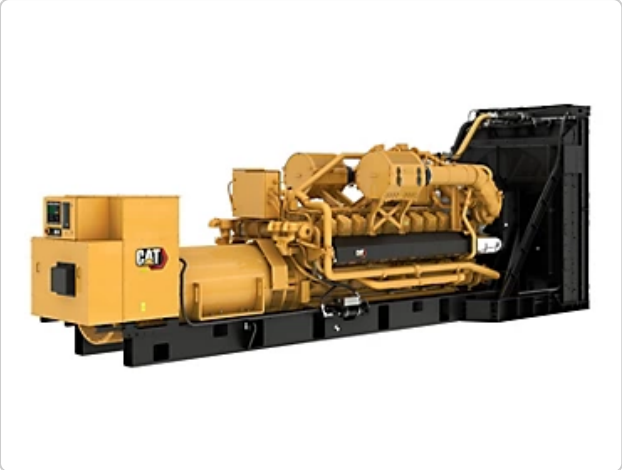


Category: Power Generators

Caterpillar G3520 – Gas Power Generator with Fast Response (50 Hz, 2500 ekW / 3125 kVA @ 0.8 PF)

Caterpillar G3520 Gas Generator – Fast Response

Ratings & Electrical

- **Continuous Rating:** 2500 ekW / 3125 kVA @ 0.8 PF
- **Standby Power:** ~2750 ekW / 3438 kVA @ 0.8 PF
- **Frequency:** 50 Hz
- **Voltage:** 400/230 V (3-phase)
- **Maximum Electrical Efficiency:** ~39–40%
- **Alternator Insulation:** Class H
- **Voltage Regulation:** ±1%

Engine / Mechanical

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- **Engine Model:** CAT G3520 Gas Engine
- **Configuration:** 4-stroke, 20-cylinder, V-type, turbocharged & aftercooled
- **Displacement:** 95 L
- **Bore × Stroke:** 159 mm × 159 mm

Fuel & Consumption

- **Fuel Type:** Natural Gas, Biogas, Field Gas, Propane
- **Fuel Consumption @100% Load:** ~2750–2800 m³/h (depending on gas type)

Cooling, Exhaust & Air

- **Cooling System:** Radiator-cooled, tropical rating
- **Exhaust Gas Temperature:** ~600–650 °C
- **Exhaust Gas Flow:** ~210–220 m³/min

Physical Dimensions & Weight

- **Dimensions (L × W × H):** ~9500 mm × 3200 mm × 4000 mm
- **Weight (approx.):** ~28000 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, fast response capability

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