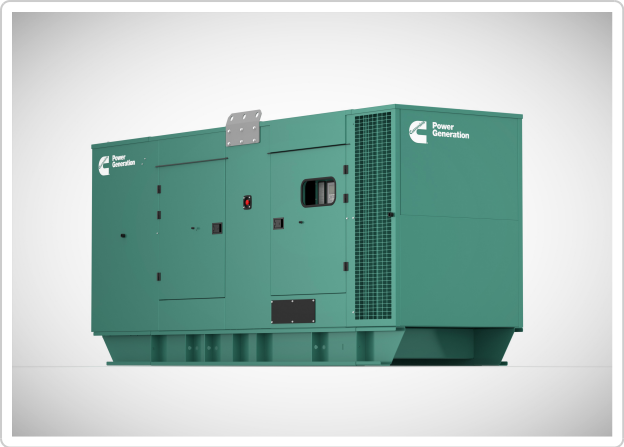


Category: Power Generators

Cummins 4BTAA3.3-G11 C50D5P 50 kVA Diesel Power Generator

Ratings & Electrical

- Prime Power: 40 kW / 50 kVA
- Standby Power: ~44 kW / 55 kVA
- Frequency: 50 Hz
- Speed: 1500 rpm
- Voltage: 400/230 V (3-phase)
- Power Factor: 0.8 (lagging)
- Alternator Insulation: Class H
- Voltage Regulation: ±1%

Engine / Mechanical

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- Engine Model: Cummins 4BTAA3.3-G11
- Configuration: 4-stroke, 4-cylinder, inline, turbocharged & aftercooled
- Displacement: 3.3 L
- Bore × Stroke: 102 mm × 120 mm
- Compression Ratio: 17.2 : 1
- Lubricating Oil Capacity: ~7 L
- Coolant Capacity: ~12 L

Fuel & Consumption

- Fuel Type: Diesel
- Fuel Consumption @100% Load: ~12 L/h
- Fuel Consumption @75% Load: ~9 L/h
- Fuel Tank Capacity: ~150 L (typical enclosure)

Cooling, Exhaust & Air

- Exhaust Gas Temperature: ~450 °C
- Exhaust Gas Flow: ~8 m³/min
- Max Exhaust Back Pressure: 10 kPa
- Cooling System: Radiator-cooled, tropical rating

Physical Dimensions & Weight

- Dimensions (L × W × H): ~2000 mm × 900 mm × 1300 mm
- Weight (approx.): ~900 kg (open set)

Alternator & Control

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

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