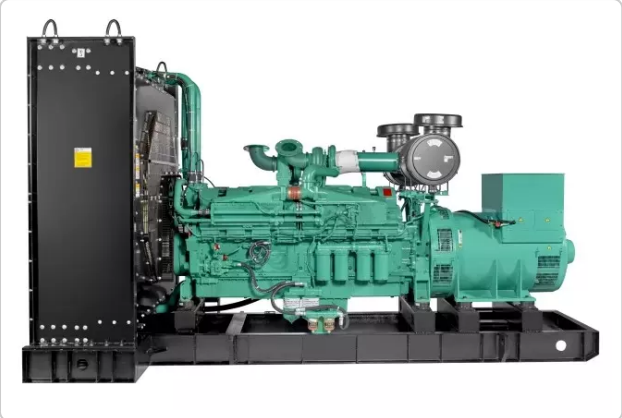


Category: Power Generators

Cummins C1500D5P KTA50-GS8 1500 kVA Power Generator

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Ratings & Electrical

- Prime Power: 1200 kW / 1500 kVA
- Standby Power: ~1320 kW / 1650 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

- Engine Model: Cummins KTA50-GS8

- Configuration: 4-stroke, 16-cylinder, inline, turbocharged & aftercooled
- Displacement: 50 L
- Bore × Stroke: 159 mm × 159 mm
- Compression Ratio: 16.0 : 1
- Lubricating Oil Capacity: ~450 L
- Coolant Capacity: ~550 L

Fuel & Consumption

- Fuel Type: Diesel
- Fuel Consumption @100% Load: ~620 L/h
- Fuel Consumption @75% Load: ~465 L/h
- Fuel Tank Capacity: ~4500 L (typical enclosure)

Cooling, Exhaust & Air

- Exhaust Gas Temperature: ~670 °C
- Exhaust Gas Flow: ~140 m^3/min
- Max Exhaust Back Pressure: 10 kPa
- Cooling System: Radiator-cooled, tropical rating

Physical Dimensions & Weight

- Dimensions (L × W × H): ~7800 mm × 3000 mm × 3900 mm
- Weight (approx.): ~24000 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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