

PRODUCT SPECIFICATIONS FOR C2.2 (50 HZ)

GENERATOR SET SPECIFICATIONS

Minimum Rating	13 kVA
Maximum Rating	22 kVA
Emissions/Fuel Strategy	R96/EU IIIa Equivalent
Voltage	110 to 415 Volts
Frequency	50 Hz
Speed	1500 rpm
Duty Cycle	Standby, Prime



ENGINE SPECIFICATIONS

Engine Model	Cat® C2.2, In-line 4, 4-cycle diesel
Bore	84 mm
Stroke	100 mm
Displacement	2.2 l
Compression Ratio	22.5:1
Aspiration	Naturally Aspirated
Fuel System	Indirect Injection
Governor Type	Mechanical

GENERATOR SET DIMENSIONS

Length - Maximum	1500 mm
Width - Maximum	620 mm
Height - Maximum	1115 mm

C2.2 (50 HZ) STANDARD EQUIPMENT

AIR INLET SYSTEM

- Air cleaner; light duty with disposable element
- Air cleaner; light duty with disposable element

CONTROL PANEL

- EMCP 4.1

- EMCP4.1 control panel

COOLING SYSTEM

- Caterpillar extended life coolant
- Fan drive, battery charging alternator drive
- Radiator and cooling fan with guards
- Coolant drain line with valve
- Radiator and cooling fan with guards

EXHAUST SYSTEM

- Stub pipe, gaskets, raincap & SAE exhaust flange for customer use; shipped loose
- Stub pipe, gaskets, raincap & SAE exhaust flange for customer use; shipped loose

FUEL SYSTEM

- Standard open set fuel tank / base supplied
- Base, formed steel with single wall integral 8-hour fuel tank
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- Base, formed steel with single wall integral 8-hour fuel tank

GENERATORS AND GENERATOR ATTACHMENTS

- Segregated low voltage (AC/DC) wiring panel
- Circuit breaker, IEC, 3 pole, mounted in tower panel
- Voltage regulator (single phase sensing)
- Tower panel, IP22, bottom cable entry
- 12 leads
- IP23 Protection
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- Tower panel, IP22, bottom cable entry
- Segregated low voltage (AC/DC) wiring panel
- IP23 Protection

GOVERNING SYSTEM

- Mechanical governing system
- Mechancial governing system

LUBE SYSTEM

- Oil drain line with valve
- Lubricating oil
- Lubricating oil
- Oil drain line with valve

MOUNTING SYSTEM

- Captive linear vibration isolators between base and engine-generator
- Includes lifting provisions and termination points for coolant
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STARTING / CHARGING SYSTEM

- 12 Volt battery with rack and cables
- 12V battery with rack and cables

GENERAL

- Engine and alternator pre-paint, Caterpillar yellow

C2.2 (50 HZ) OPTIONAL EQUIPMENT

ALTERNATOR OPTIONS

- Coastal insulation protection

CERTIFICATES

- European upgrade to STD set for CE certificate
- Global certification for CIS

CIRCUIT BREAKERS

- 4 Pole circuit breaker
- Pad-locable breaker device

CONTROL PANEL OPTIONS

- Battery charger
- Volt free contacts for genset running
- Volt free contacts for common alarm
- EMCP 4.2
- Emergency stop with key

COOLING SYSTEM

- Coolant heater

ENCLOSURES

- Sound attenuated enclosure (GALV)
- Single point lift for enclosure

FUEL SYSTEM

- Low fuel level alarm

MOUNTING OPTIONS

- Industrial silencer removal
- Silencer installation kit
- Battery removal

SPECIAL TEST AND INSPECTION

- PGS test report @ 1.0 power factor

GENERAL

- Packing Case - compact set
- Radiator Stone Guard
- Packing case - canopied set

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