



**Prime 30 kVA (24 kW)  
50/60 Hz Switchable  
R96 EU STAGE IIIA  
Equivalent**

Image shown may not reflect actual configuration

**Specifications**

Frequency (Hz)	Speed (rpm)	Voltage	Prime		Output Amps (A)	Breaker Rating (A)
			kVA	kW		
50	1500	415 / 240 V	30	24	42	63
		400 / 230 V	30	24	43	
		380 / 220 V	30	24	46	
60	1800	480 / 277 V	35.8	28.6	43	63
		440 / 254 V	35.8	28.6	47	
		380 / 220 V	34.5	27.6	52	
		240 / 139 V	35.8	28.6	86	125
		220 / 127 V	35.8	28.6	94	

Cat® C3.3 Diesel Engine	Metric	Imperial (English)
Configuration	Inline 3-cylinder, 4-Stroke-Cycle, Water Cooled, Diesel	
Bore	105 mm	4.13 in
Stroke	127 mm	5.00 in
Displacement	3.3 L	201 in <sup>3</sup>
Aspiration	Naturally Aspirated (NA)	
Compression Ratio	19.25:1	
Engine rpm	1500-1800	
Aftercooler Type	N/A	
Turbocharger	N/A	
Fuel System	Direct Injection, Rotary Pump	
Governor Type	Electronic Governor, Mechanical Actuator	
Fuel	See Fuel Specification Table	

## Benefits & Features

### Rental-ready Features

- 24hr dual wall fuel tank with tie down points and robust skid plate base
- Forklift pockets
- Externally certified single point lift
- Coolant and oil drains piped to baseframe
- Externally certified spark arrest silencer
- 50/60Hz frequency switch via terminal link
- Optimized cable entry for easy hook-up
- Robust busbar connection for lugged cable connection
- Sound isolated side mounted control panel with integrated power distribution access
- AC protected by limit switch on distribution door

### Fuel/Emissions Strategy

- R96 EU Stage IIIA Equivalent

### Single-source Supplier

- Factory designed and fully prototype tested with torsional vibration analysis available
- ISO 9001:2000 compliant facility

### Cat C3.3 Diesel Engine

- Four-stroke diesel engine combines consistent performance and excellent fuel economy with minimum weight
- Electronic governor, mechanical actuator **Cat**

### EMCP 4.2B Control Panel

- Fully featured power metering, protective relaying, engine/generator control and monitoring
- Simple user-friendly interface and navigation
- Single point interface for voltage and frequency adjustment

### Optional Control Panel

- Deepsea DSE7320 MkII
- Fully featured power metering, protective relaying, engine / generator control and monitoring

### Cat LC1500 Generator

- Designed to match performance and output of Cat diesel engines
- Coastal insulation protection
- Self (shunt) excitation

### Available Options

- CE socket box with integrated RCBO protection
- Clipsal socket box with integrated RCBO protection
- 220-240V 3-phase 60Hz configuration available with appropriately sized breaker and power cables.
- Anti condensation heater 110V or 230V AC
- Coolant heater 110V or 230V AC
- 12V battery charger
- Permanent Magnet Generator (PMG)
- Earth leakage detection
- Lube oil sump pump

### Integrated Voltage Regulator (IVR)

(with EMCP 4.2B only)

- Three-phase sensing
- Adjustable Volts-per-Hertz regulation
- Provides precise control, excellent block loading, and constant voltage in the normal operating range

### Enclosure

- Galvanized sheet steel construction
- Two coat polyester powder-coated finish
- 6 access doors for improved service access
- Secure design with safety glass control panel viewing window and padlockable or keylock access doors
- Fuel fill, battery and controls accessible only through lockable access doors

### Environmental Considerations

- Dual wall base tank with 110% spill containment
- Bund Level alarm
- Low noise enclosure
- Inboard mounted 3-way valve for external fuel connection

### Cat Connect

- Fleet management and asset tracking\*

\*Subject to local certifications

## Standard Equipment

### Generator

- LC1514F frame; 3-phase random wound, 12 lead, self excited, 2/3 pitch
- Coastal insulation protection (CIP)

### Cat C3.3 Diesel Engine

- Naturally aspirated
- Electronic governor, mechanical actuator

### Air Filter

- Air cleaner, cyclonic/paper with dust cup and service indicator

### Cooling System

- Package mounted radiator with vertical air discharge
- High ambient performance
- Fully guarded pusher fan
- Low coolant level shutdown
- Coolant piped to base via radiator-mounted ball valve
- 50% glycol mix with corrosion inhibitor

### Charging System

- Charging alternator; 12V, heavy duty with integral regulator and belt guards

### Starting System

- Single 12V electric starting motor
- Single 12V 950CCA maintenance-free battery with padlockable single-pole isolator switch

### Fuel System

- 24hr dual wall fuel tank (based on 75% Prime load)
- Internal fuel fill
- Off-engine mounted Racor fuel water separator (30 micron) with secondary engine-mounted fuel filter
- Auxiliary connections for remote supply with 3-way valve
- 3-way valve internally mounted within banded area
- Mechanical fuel gauge
- Electronic fuel gauge with panel display, low fuel level warning and shutdown

### Control Panel

- EMCP 4.2B set mounted digital controller
- 50/60Hz frequency switch (via terminal link)
- IVR with EM10 excitation module
- Panel & enclosure mounted emergency stop

### Distribution System

- Single robust steel enclosure for controls & distribution
- Separately hinged distribution door with 12V DC shunt trip safety switch
- 4 pole, 63A main circuit breaker
- Two-wire remote start/stop terminals and AC aux power connection for rapid starting

### Mounting System

- Heavy duty steel baseframe with integral fuel tank (dual wall)
- Provides 110% spill containment including all on-board fluids
- Forklift pockets
- Skid plates with drag points
- Generator set soft mounted using captive vibration mounts

### Enclosure

- Sound attenuating, galvanised sheet steel enclosure with exceptional noise reduction performance
- Interior walls, ceilings and ducts insulated with precision cut noise insulating materials
- Sealed quarter-turn compression latches with key or padlock capabilities
- Front and rear service access provided through hinged doors
- External single point lift
- Powder coated with Cat Rental Power decals

### Exhaust System

- Integrated certified spark arresting silencer with flexible connectors
- Outlet box mounted with vertical discharge

### Lube Oil System

- On-engine primary and secondary oil filters, dipstick and oil filler
- Oil piped to edge of baseframe with internally mounted ball valve
- 500 hour oil change requirement

### General

- Factory Tested
- Full manufacturer's warranty, O&M manuals









