

Product Specifications For DE50 GC (50 Hz)



Generator Set Specifications

Maximum Rating	50 kVA
Minimum Rating	50 kVA
Emissions/Fuel Strategy	Non Regulated
Voltage	380 to 415 Volts
Frequency	50 Hz
Speed	1500 rpm
Duty Cycle	Standby

Engine Specifications

Engine Model	Cat® C3.3, In-line 3, 4-cycle diesel
Bore	105 mm
Stroke	127 mm
Displacement	3.3 l
Compression Ratio	17.25:1
Aspiration	Turbocharged
Fuel System	Inline
Governor Type	Mechanical

Generator Set Dimensions

Length - Maximum	2278 mm
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Width - Maximum

900 mm

Height - Maximum

1322 mm

Dry Weight - Genset (maximum)

1031 kg

DE50 GC (50 Hz) Standard Equipment

Engine

C3.3, Inline 3 cylinder, 4 stroke diesel

Genset Control

GCCP 1.1

Governor

Mechanical governor

Alternator

A Frame standard alternator

Fuel Storage

Single wall 8 hour fuel tank

Enclosure

Cat GC enclosure

Air, Cooling & Exhaust

Enclosure silencer

General

Engine and alternator pre-paint, Caterpillar yellow

DE50 GC (50 Hz) Optional Equipment

Certification

Certificate of Conformance

Australia, CIS, Gulf Certification

Alternator Requirements

Space heater

Auxiliary Supply Voltage

120V

Fuel Storage

Dual wall 8 hour fuel tank

Single wall tank with containment

Low fuel level alarm

Low fuel level shutdown

High fuel level alarm

Genset Control

Battery charger

Volt free contacts for genset running

Volt free contacts for common alarm

Earth leakage

Earth fault

Emergency stop with key

USB to RS485 Communications device

Panel mounted audible alarm

Battery

Low coolant level shutdown

Standby Pack (Smart Jacket water heater, Battery charger)

Coolant heater

Circuit Breaker

3 Pole Circuit breaker 80A

3 Pole Circuit breaker 63A

3 Pole Circuit breaker 100A

3 Pole Circuit breaker 125A

3 Pole Circuit breaker 160A

3 Pole Circuit breaker 200A

4 Pole Circuit breaker 80A

4 Pole Circuit breaker 63A

4 Pole Circuit breaker 100A

4 Pole Circuit breaker 125A

4 Pole Circuit breaker 160A

4 Pole Circuit breaker 200A

Circuit breaker padlock

Neutral earth link

Overload via alarm switch on breaker

Testing & Packaging

PGS Test report @ 1.0 power factor

PGS Test report @ 0.8PF