

PRODUCT SPECIFICATIONS FOR DE110 GC (50 HZ)



GENERATOR SET SPECIFICATIONS

Maximum Rating	110 kVA
Minimum Rating	110 kVA
Emissions/Fuel Strategy	Non Regulated
Voltage	380 to 415 Volts
Frequency	50 Hz
Speed	1500 rpm
Duty Cycle	Standby

ENGINE SPECIFICATIONS

Engine Model	C4.4, In-line 4, 4-cycle diesel
Bore	105 mm
Stroke	127 mm
Displacement	4.4 l
Compression Ratio	18.23:1
Aspiration	Turbocharged Air To Air Charge Cooled
Fuel System	Inline
Governor Type	Mechanical

GENERATOR SET DIMENSIONS

Length - Maximum	2745 mm
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Width - Maximum

999 mm

Height - Maximum

1476 mm

Dry Weight - Genset (maximum)

2932 kg

DE110 GC (50 HZ) STANDARD EQUIPMENT

ENGINE

C4.4, Inline 4 cylinder, 4 stroke diesel

GENSET CONTROL

GCCP 1.1

GOVERNOR

Mechanical governor

FUEL STORAGE

Single wall 8 hour fuel tank

ALTERNATOR

A Frame standard alternator

ENCLOSURE

Cat GC enclosure

AIR, COOLING & EXHAUST

Enclosure silencer

GENERAL

Engine and alternator pre-paint, Caterpillar yellow

DE110 GC (50 HZ) OPTIONAL EQUIPMENT

CERTIFICATION

Certificate of Conformance 13
Australia, CIS, Gulf Certification

AUXILIARY SUPPLY VOLTAGE

120V

ALTERNATOR REQUIREMENTS

Space heater

FUEL STORAGE

Dual wall 8 hour fuel tank

Single wall tank with containment

High fuel level alarm

Low fuel level alarm

Low fuel level shutdown

GENSET CONTROL

Volt free contacts for common alarm

Panel mounted audible alarm

Earth fault

Volt free contacts for genset running

Emergency stop with key

Earth leakage

Battery charger

USB to RS485 Communications device

Coolant heater

Standby Pack (Smart Jacket water heater, Battery charger)

Battery

Low coolant level shutdown

CIRCUIT BREAKER

3 Pole Circuit breaker 125A

3 Pole Circuit breaker 160A

3 Pole Circuit breaker 200A

4 Pole Circuit breaker 125A

3 Pole Circuit breaker 400A

3 Pole Circuit breaker 250A

4 Pole Circuit breaker 160A

4 Pole Circuit breaker 250A

4 Pole Circuit breaker 200A

Circuit breaker padlock

4 Pole Circuit breaker 400A

Neutral earth link

Overload via alarm switch on breaker

TESTING & PACKAGING

PGS Test report @ 1.0 power factor

PGS Test report @ 0.8PF