

PRODUCT SPECIFICATIONS FOR DE165 GC (50 HZ)



GENERATOR SET SPECIFICATIONS

Maximum Rating	163.9 kVA
Minimum Rating	163.9 kVA
Emissions/Fuel Strategy	Non Regulated
Voltage	380 to 415 Volts
Frequency	50 Hz
Speed	1500 rpm
Duty Cycle	Standby

ENGINE SPECIFICATIONS

Engine Model	C7.1 I-6, 4-Cycle Diesel
Bore	105 mm
Stroke	135 mm
Displacement	7 l
Compression Ratio	16.0:1
Aspiration	Turbocharged Air To Air Charge Cooled
Fuel System	Inline
Governor Type	Mechanical

GENERATOR SET DIMENSIONS

Length - Maximum	3325 mm
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Width - Maximum

1134 mm

Height - Maximum

1666 mm

Dry Weight - Genset (maximum)

4043 kg

DE165 GC (50 HZ) STANDARD EQUIPMENT

ENGINE

C7.1, Inline 6 cylinder, 4 stroke diesel

CONTROL PANELS

GCCP 1.1

ALTERNATOR

A Frame standard alternator

FUEL STORAGE

Single wall 8 hour fuel tank

GOVERNOR

Mechanical governor

ENCLOSURE

Cat GC enclosure

AIR, COOLING & EXHAUST

Enclosure silencer

GENERAL

Engine and alternator pre-paint, Caterpillar yellow

DE165 GC (50 HZ) OPTIONAL EQUIPMENT

AUXILIARY SUPPLY VOLTAGE

120V

CERTIFICATION

Certificate of Conformance
Australia, CIS, Gulf Certification

FUEL STORAGE

Dual wall 8 hour fuel tank
High fuel level alarm
Single wall tank with containment
Low fuel level shutdown
Low fuel level alarm

ALTERNATOR REQUIREMENTS

Space heater

GENSET CONTROL

Volt free contacts for common alarm
Volt free contacts for genset running
Battery charger
Panel mounted audible alarm
Earth leakage
USB to RS485 Communications device
Earth fault
Emergency stop with key
Coolant heater
Battery
Standby Pack (Smart Jacket water heater, Battery charger)
Low coolant level shutdown

CIRCUIT BREAKER

4 Pole Circuit breaker 200A
3 Pole Circuit breaker 630A
4 Pole Circuit breaker 250A
3 Pole Circuit breaker 200A
3 Pole Circuit breaker 250A
4 Pole Circuit breaker 630A
4 Pole Circuit breaker 400A
Circuit breaker padlock
Neutral earth link
Overload via alarm switch on breaker
3 Pole Circuit breaker 400A

TESTING & PACKAGING

PGS Test report @ 1.0 power factor
PGS Test report @ 0.8PF