



Generator Set Specifications

Minimum Rating	165 kVA
Maximum Rating	165 kVA
Emissions/Fuel Strategy	Non Regulated
Voltage	220 to 415 Volts
Frequency	50 Hz
Speed	1500 rpm
Duty Cycle	Standby, Prime

Engine Specifications

Engine Model	Cat® C7.1
Bore	4.1 in
Stroke	5.3 in
Displacement	427.8 in³
Compression Ratio	16.0:1
Aspiration	Turbocharged, Air to Air Aftercooled
Fuel System	Inline
Governor Type	Mechanical

Generator Set Dimensions

Length - Maximum	98.4 in
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Width - Maximum	44.1 in
Height - Maximum	60.2 in
Dry Weight - Genset (maximum)	3549 lb

C7.1 | DE165E0 Standard Equipment

Control Panel

GCCP Control panel

Alternator And Alternator Attachments

12 Leads

IP23 Protection

Voltage regulator (single phase sensing)

Tower panel, IP22, bottom cable entry

Segregated low voltage (AC/DC) wiring panel

Circuit breaker, IEC, 3 Pole, mounted in tower panel

Governing System

Mechanical or electrical governing system

Cooling System

Radiator and cooling fan with guards

Coolant drain line with valve

Fan drive, battery charging alternator drive

Caterpillar extended life coolant

Air Inlet System

Air cleaner; light duty with disposable element

Exhaust System

Stub pipe, gaskets, raincap & SAE exhaust flange

Industrial silencer

Fuel System

Standard open set fuel tank/base

Lube System

Lubricating oil

Oil drain line with valve

Mounting System

Captive linear vibration isolators
Lifting provision and drag points
Termination points for coolant and lube oil drain lines

Starting/charging System

12V Battery with rack & cables

General

Engine and alternator pre-paint, Caterpillar yellow

C7.1 | DE165E0 Optional Equipment

Control Panel

GCCP Control panel
Earth fault and earth leakage
Emergency E-Stop with security key
4 Pole Circuit breaker
Voltage and speed adjust potentiometer

Alternator And Alternator Attachments

LC Frame alternator
LC/M Frame alternator
Space heater
Permanent magnet excitation (PMG)
Automatic voltage regulator
Quadrature droop kit

Enclosures

Level 1 and Level 2 sound attenuated enclosures
Single point lifting frame
Rental pack
SBOX - CEE form sockets

Alarms And Shutdowns

Common alarm
Overload shutdown
Low coolant level shutdown
Low coolant temperature alarm
Low fuel level alarm and shutdown
High fuel level alarm

Engine

Electronic governor

Jacket water heater

Battery charger

Fuel System

Bunded base tank sized for a minimum of 12 hours running with 110% spill protection

Exhaust System

Residential silencer 25 dBA

Certification

Certificate of Conformance

EAC Certification

Extended Service Coverage

3, 4, 5 and 10 Years