

PRODUCT SPECIFICATIONS FOR D50 GC

GENERATOR SET SPECIFICATIONS

Minimum Rating	50 ekW
Maximum Rating	50 ekW
Emissions/Fuel Strategy	U.S. EPA Cert., Tier 3, SCAQMD Compliant
Voltage	208 to 600 Volts
Frequency	60 Hz
Speed	1800 rpm
Duty Cycle	Standby

ENGINE SPECIFICATIONS

Engine Model	C4.4, In-line 4, 4-cycle diesel
Bore	4.1 in
Stroke	5 in
Displacement	269 in
Compression Ratio	18.2:1
Aspiration	Turbocharged
Fuel System	Common Rail
Governor Type	Mechanical, ADEM™ A4

GENERATOR SET DIMENSIONS

Length - Maximum	77.2 in
Width - Maximum	43.3 in
Height - Maximum	48 in

D50 GC STANDARD EQUIPMENT

CERTIFICATES

IBC Seismic and Wind Certifications

AIR INLET SYSTEM

Air Cleaner

Cartridge type air filter

CIRCUIT BREAKERS

Power terminal strips

Second circuit breaker box

3-Pole 100% rated

Breakers (100% UL rated)

CHARGING SYSTEM

NFPA battery charger UL10A 120VAC

CONTROL PANEL

GCCP 1.2 Control panel

EXHAUST SYSTEM

Stub pipe, gaskets, raincap and SAE exhaust flange for customer use - shipped loose

FUEL SYSTEM

Standard open set fuel tank / base supplied base, formed steel with single wall integral 8-hour fuel tank

COOLING SYSTEM

Fan drive, battery charging alternator drive

Radiator and cooling fan with guards

Caterpillar extended life coolant

Coolant drain line with valve

Radiator stone guard

CONTROL PANELS

NFPA110 bundle includes:

FSS low fuel level alarm & indication panel circuitry required when sub-base tank is selected

WCA1 Low coolant temperature alarm

WSS1 Low coolant level shut down

Oil temperature guage and sender

PAA1 Panel mounted audible alarm

A coolant heater, remote annunciator or 0.8 power factor test may be required depending on the application

PBC10NU NFPA Battery Charger

Remote E-stop button

Ground fault relay

Volt free contacts genset run and common alarm

Remote annunciator

Audible alarm

Discrete I/O module

Low coolant level shutdown

Low coolant temperature alarm

Overload shutdown via breaker

Protective devices:

Fuel level reading

GENERATOR

12 leads

GOVERNING SYSTEM

Mechanical and electrical governing system - model dependent

LUBE SYSTEM

Oil drain line with valve

Lubricating oil

GENERAL

Engine and alternator pre-paint, Caterpillar Yellow

STARTING/CHARGING SYSTEM

Batteries

24V battery with rack and cables

D50 GC OPTIONAL EQUIPMENT

CERTIFICATES

IBC Seismic and Wind Certifications

AIR INLET SYSTEM

Cartridge type air filter

ALTERNATOR SYSTEM

R frame auxilliary winding

CHARGING SYSTEM

NFPA battery charger UL10A 120VAC

CIRCUIT BREAKERS

Second circuit breaker box

Power perminal strips

3-Pole 100% rated

Breakers (100% UL rated)

CONTROL PANELS

Audible alarm

Remote annunciator

Volt free contacts genset run and common alarm

Remote E-stop button

NFPA110 bundle includes: FSS low fuel level alarm & indication panel circuitry required when sub-base tank is selected - WSS1 Low Coolant level shut down - WCA1 Low Coolant temperature alarm - PAA1 Panel mounted audible alarm - PBC10NU NFPA Battery Charger - A coolant heater ,remote annunciator or 0.8 power factor test may be required depending on the application

Ground fault relay

Oil temperature guage and sender

Protective devices: Low coolant temperature alarm - Low coolant level shutdown - Fuel level reading - Overload shutdown via breaker

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Discrete I/O module

ENCLOSURES

Panel viewing window

External emergency stop

Sound attenuated enclosure, level 2

External emergency stop

Panel viewing window

COOLING SYSTEM

Radiator transition flange

Radiator transition flange

HEATING ELEMENTS

Anti-condensation heater

Coolant heater

Wiring for canopy space heater

Jacket water heater

Battery heater

Lube oil sump heater

Wiring for canopy space heater

Battery heater

Lube oil sump heater

Jacket water heater

Anti-condensation heater

Coolant heater

GENERATORS

Permanent magnet generator

Permanent magnet generator

MOUNTING SYSTEM

Seismic vibration isolators

Seismic vibration isolators

EXHAUST SYSTEM

10, 25 and 35 dBA silencer systems

Overhaed silencer mounting kit

Overhaed silencer mounting kit

10, 25 and 35 dBA silencer systems

FUEL SYSTEM

209 and 394 gallon sub-base fuel tanks

Tank riser

5 gallon fill containment

Emergency vent pipe

5 gallon spill containment

Emergency vent pipe

5 gallon fill containment

209 and 394 gallon sub-base fuel tanks

5 gallon spill containment

Tank riser

TESTS

PGS test report @ 1.0 power factor

PGS test report @ 0.8 power factor

4 Hour factory test

Generator test report

Generator test report

PGS test report @ 1.0 power factor

PGS test report @ 0.8 power factor

4 Hour factory test