

PRODUCT SPECIFICATIONS FOR D40 GC

GENERATOR SET SPECIFICATIONS

Minimum Rating	40 ekW
Maximum Rating	40 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

D40 GC STANDARD EQUIPMENT

CERTIFICATES

IBC Seismic and Wind Certifications

AIR INLET SYSTEM

Air Cleaner

Cartridge type air filter

CHARGING SYSTEM

NFPA battery charger UL10A 120VAC

CIRCUIT BREAKERS

3-Pole 100% rated

Second circuit breaker box

Power terminal strips

Breakers (100% UL rated)

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

CONTROL PANELS

NFPA110 bundle includes:

WSS1 Low coolant level shut down

WCA1 Low coolant temperature alarm

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

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

PBC10NU NFPA Battery Charger

Oil temperature guage and sender

PAA1 Panel mounted audible alarm

Remote E-stop button

Audible alarm

Volt free contacts genset run and common alarm

Remote annunciator

Discrete I/O module

Ground fault relay

Low coolant level shutdown

Fuel level reading

Low coolant temperature alarm

Overload shutdown via breaker

Protective devices:

COOLING SYSTEM

Coolant drain line with valve

Fan drive, battery charging alternator drive

Caterpillar extended life coolant

Radiator and cooling fan with guards

Radiator stone guard

GENERATOR

12 leads

GOVERNING SYSTEM

Mechanical and electrical governing system - model dependent

LUBE SYSTEM

Lubricating oil

Oil drain line with valve

GENERAL

Engine and alternator pre-paint, Caterpillar Yellow

STARTING/CHARGING SYSTEM

24V battery with rack and cables

Batteries

D40 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

Breakers (100% UL rated)

Second circuit breaker box

3-Pole 100% rated

Power terminal strips

CONTROL PANELS

Volt free contacts genset run and common alarm

Discrete I/O module

Remote annunciator

Remote E-stop button

Oil temperature gauge and sender

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

Audible alarm

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

ENCLOSURES

Sound attenuated enclosure, level 2

External emergency stop

Panel viewing window

HEATING ELEMENTS

Coolant heater

Wiring for canopy space heater

Battery heater

Jacket water heater

Anti-condensation heater

Lube oil sump heater

Battery heater

COOLING SYSTEM

Radiator transition flange

Radiator transition flange

MOUNTING SYSTEM

Seismic vibration isolators

EXHAUST SYSTEM

10, 25 and 35 dBA silencer systems

Overhaed silencer mounting kit

10, 25 and 35 dBA silencer systems

Overhaed silencer mounting kit

FUEL SYSTEM

5 gallon spill containment

Tank riser

Emergency vent pipe

209 and 394 gallon sub-base fuel tanks

5 gallon fill containment

5 gallon spill containment

5 gallon spill containment

5 gallon fill containment

209 and 394 gallon sub-base fuel tanks

Tank riser

Emergency vent pipe

GENERATORS

Permanent magnet generator

Permanent magnet generator

TESTS

PGS test report @ 0.8 power factor

PGS test report @ 1.0 power factor

4 Hour factory test

Generator test report

PGS test report @ 0.8 power factor

Generator test report

PGS test report @ 1.0 power factor