

PRODUCT SPECIFICATIONS FOR D40 GC

US Metric

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 Model C4.4, In-line 4, 4-cycle diesel

Bore 105 mm

Stroke 127 mm

Displacement 4.4 l

Compression Ratio 18.2:1

Aspiration Turbocharged

Fuel System Common Rail

Governor Type Mechanical, ADEM™A4

Length - Maximum 1962 mm

Width - Maximum

1100 mm

Height - Maximum

1220 mm

Dry Weight - Genset (maximum)

838 kg

D40 GC STANDARD EQUIPMENT CERTIFICATES

IBC Seismic and Wind Certifications

AIR INLET SYSTEM

Air Cleaner

Cartridge type air filter

CIRCUIT BREAKERS

Breakers (100% UL rated)

Second circuit breaker box

3-Pole 100% rated

Power terminal strips

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 24-hour fuel tank

CONTROL PANELS

NFPA110 bundle includes:

OPTIONAL 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

PBC10NU NFPA Battery Charger

Oil temperature guage and sender

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

PAA1 Panel mounted audible alarm

Remote E-stop button

Volt free contacts genset run and common alarm

Discrete I/O module

Audible alarm

Ground fault relay

Remote annunciator

Overload shutdown via breaker

Low coolant level shutdown

Fuel level reading

Protective devices:

Low coolant temperature alarm

COOLING SYSTEM

Caterpillar extended life coolant

Radiator and cooling fan with guards

Coolant drain line with valve

Fan drive, battery charging alternator drive

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

Batteries

24V battery with rack and cables

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

Power terminal strips

Second circuit breaker box

Breakers (100% UL rated)

3-Pole 100% rated

CONTROL PANELS

Volt free contacts genset run and common alarm

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

Overload shutdown via breaker

Discrete I/O module

Audible alarm

Ground fault relay

Remote annunciator

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

Oil temperature guage and sender

Remote E-stop button

ENCLOSURES

Panel viewing window

Sound attenuated enclosure, level 2

External emergency stop

HEATING ELEMENTS

Anti-condensation heater

Coolant heater

Lube oil sump heater

Wiring for canopy space heater

Jacket water heater

Battery heater

COOLING SYSTEM

Radiator transition flange

FUEL SYSTEM

Emergency vent pipe

Tank riser

209 and 394 gallon sub-base fuel tanks

5 gallon fill containment

MOUNTING SYSTEM

Seismic vibration isolators

TESTS

PGS test report @ 1.0 power factor

4 Hour factory test

PGS test report @ 0.8 power factor

Generator test report

EXHAUST SYSTEM

10, 25 and 35 dBA silencer systems

Overhead silencer mounting kit

GENERATORS

Permanent magnet generator

