

PRODUCT SPECIFICATIONS FOR D80 GC

GENERATOR SET SPECIFICATIONS

Minimum Rating	80 ekW
Maximum Rating	80 ekW
Emissions/Fuel Strategy	U.S. EPA Cert., Tier 3
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 ³
Compression Ratio	16.7:1
Aspiration	Turbocharged
Fuel System	Common Rail
Governor Type	Mechanical, ADEM™ A4

GENERATOR SET DIMENSIONS

Length - Maximum	82.6 in
Width - Maximum	43.3 in
Height - Maximum	52.9 in

D80 GC STANDARD EQUIPMENT

AIR INLET SYSTEM

Air cleaner; light duty with disposable element

Air Cleaner

COOLING SYSTEM

Coolant drain line with valve

Fan drive, battery charging alternator drive

Radiator and cooling fan with guards

Caterpillar extended life coolant

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Radiator and cooling fan with guards

CONTROL PANEL

GCCP 1.2 Control panel

GCCP 1.2

EXHAUST SYSTEM

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

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FUEL SYSTEM

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

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

GENERATOR

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

12 leads

12 leads

Voltage regulator (single phase sensing)

Tower panel, IP22, bottom cable entry

Segregated low voltage (AC/DC) wiring panel

IP23 protection

GOVERNING SYSTEM

Mechanical and electrical governing system - model dependent

Mechanical and electrical governing system - model dependent

LUBE SYSTEM

Lubricating oil

Lubricating oil

Oil drain line with valve

Oil drain line with valve

MOUNTING SYSTEM

Captive linear vibration isolators between base and engine-generator

Termination points for coolant and lube oil drain lines

Includes lifting provision and drag points

STARTING/CHARGING SYSTEM

24V battery with rack and cables

Batteries

24V battery with rack and cables

GENERAL

Engine and alternator pre-paint, Caterpillar Yellow

Engine and alternator pre-paint, Caterpillar yellow

D80 GC OPTIONAL EQUIPMENT

ALTERNATOR SYSTEM

Anti-condensation heater

R frame auxiliary winding

R frame auxiliary winding

3 phase sensing

Permanent magnet

CIRCUIT BREAKERS

Circuit Breaker Upgrades - 4 Pole circuit reaker to 250A, 400A and 630 A

COOLING SYSTEM

Low coolant level shutdown

Coolant heater

Low coolant temp alarm

CONTROL PANEL OPTIONS

Earth fault (2 wire only)

GCCP 1.2 control panel

Battery charger

Emergency stop with key

Overload shutdown via breaker

Voltage adjust potentiometer

Earth leakage (2 wire only)

Volt free contacts

Control panel heater

Panel mounted audible alarm

Speed adjust potentiometer

ENCLOSURES

Sound attenuated Level 2 enclosure

FUEL SYSTEM

Bunded fuel tank

Skidbase for CALG enclosure sets

Open set narrow base

Compact skidbase for open set

Low fuel level shutdown

Low fuel level alarm

High fuel level alarm

GLOBAL CERTIFICATIONS

Certification for CIS

MOUNTING OPTIONS

Silencer installation kit

Industrial silencer

Electronic governor

External single point lift - enclosure

Battery removal

SPECIAL PACKING/INSPECTIONS FOR SHIPMENT

PGS test report @ 0.8 power factor

PGS test report @ 1.0 power factor

GENERAL - ACCESSORIES / MISCELLANEOUS

Stone guards / rad trans flange

Packing case - compact set

Packing case - canopied set