

PRODUCT SPECIFICATIONS FOR D100 GC

GENERATOR SET SPECIFICATIONS

Minimum Rating	100 ekW
Maximum Rating	100 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

D100 GC STANDARD EQUIPMENT

AIR INLET SYSTEM

Air cleaner; light duty with disposable element

Air Cleaner

COOLING SYSTEM

Caterpillar extended life coolant

Coolant drain line with valve

Fan drive, battery charging alternator drive

Radiator and cooling fan with guards

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Caterpillar extended life coolant

Radiator and cooling fan with guards

Fan drive, battery charging alternator drive

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

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GENERATOR

12 leads

Tower panel, IP22, bottom cable entry

Voltage regulator (single phase sensing)

IP23 protection

12 leads

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

Segregated low voltage (AC/DC) wiring panel

GOVERNING SYSTEM

Mechanical and electrical governing system - model dependent

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LUBE SYSTEM

Lubricating oil

Oil drain line with valve

Oil drain line with valve

Lubricating oil

MOUNTING SYSTEM

Includes lifting provision and drag points

Captive linear vibration isolators between base and engine-generator

Termination points for coolant and lube oil drain lines

STARTING/CHARGING SYSTEM

24V battery with rack and cables

24V battery with rack and cables

Batteries

GENERAL

Engine and alternator pre-paint, Caterpillar Yellow

Engine and alternator pre-paint, Caterpillar yellow

D100 GC OPTIONAL EQUIPMENT

ALTERNATOR SYSTEM

Quadrature droop kit

Anti-condensation heater

R frame auxiliary winding

R frame auxilliary winding

3 phase sensing

Permanent magnet

CIRCUIT BREAKERS

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

COOLING SYSTEM

Coolant heater

Low coolant level shutdown

Low coolant temp alarm

CONTROL PANEL OPTIONS

Earth fault (2 wire only)

Battery charger

Volt free contacts

Panel mounted audible alarm

Speed adjust potentiometer

GCCP 1.2 control panel

Control panel heater

Earth leakage (2 wire only)

Emergency stop with key

Voltage adjust potentiometer

Overload shutdown via breaker

ENCLOSURES

Sound attenuated Level 2 enclosure

FUEL SYSTEM

Low fuel level shutdown

High fuel level alarm

Bunded fuel tank

Low fuel level alarm

MOUNTING OPTIONS

Battery removal

Industrial silencer

Silencer installation kit

Electronic governor

External single point lift - enclosure

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