

PRODUCT SPECIFICATIONS FOR D150 GC

GENERATOR SET SPECIFICATIONS

Minimum Rating	150 ekW
Maximum Rating	150 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	C7.1 I-6, 4-Cycle Diesel
Bore	4.1 in
Stroke	5.31 in
Displacement	428 in ³
Compression Ratio	16.7:1
Aspiration	Turbocharged, Air to Air Aftercooled
Fuel System	Electronic, Common Rail
Governor Type	ADEM™ A4

GENERATOR SET DIMENSIONS

Length - Maximum	103.7 in
Width - Maximum	51.2 in
Height - Maximum	52.2 in

D150 GC STANDARD EQUIPMENT

CONTROL PANELS

GCCP 1.2 control panel

GCCP 1.2

AIR INLET SYSTEM

Air Cleaner; light duty with disposable element

Air Cleaner; light duty with disposable element

COOLING SYSTEM

Radiator and cooling fan with guards

Coolant drain line with valves

Radiator and cooling fan with guards

Caterpillar extended life coolant

Fan drive, battery charging alternator drive

GENERATOR AND GENERATOR ATTACHMENTS

12 leads

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

Voltage regulator (single phase sensing)

12 leads

IP23 protection

Segregated low voltage (AC/DC) wiring panel

Tower panel, IP22, bottom cable entry

IP23 protection

Tower panel, IP22, bottom cable entry

Circuit breaker, IEC, 3 pole, mounted in tower 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

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Base, formed steel with single wall integral 8-hour fuel tank

Base, formed steel with single wall integral 8-hour fuel tank

LUBE SYSTEM

Lubricating oil

Oil drain line with valve

Oil drain line with valve

Lubricating oil

MOUNTING SYSTEM

Captive linear vibration isolators between base and engine-generator

Includes lifting provision and drag points

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

GOVERNING SYSTEM

Mechanical and electrical governing system - model dependent

Mechanical and electrical governing system - model dependent

GENERAL

Engine and alternator pre-paint, Caterpillar Yellow

Engine and alternator pre-paint, Caterpillar Yellow

D150 GC OPTIONAL EQUIPMENT

ALTERNATOR SYSTEM

Quadrature droop king

Alternator removal

R frame auxiliary winding: R2273L4 SE aux alt 07, aux alt 08 and aux alt 10

3 Phase sensing

Permanent magnet

Anti-condensation heater

CIRCUIT BREAKERS

4 Pole 250A, 400A and 630A Circuit Breakers

Padlockable breaker device

CONTROL PANEL OPTIONS

Speed adjust contacts

Overload shutdown via breaker

Volt free contacts

Panel mounted audible alarm

Battery charger

Control panel heater

Emergency stop with key

Earth leakage (2 wire only)

Earth fault (2 wire only)

Speed adjust contacts

Battery charger

Earth fault (2 wire only)

Earth leakage (2 wire only)

Speed adjust potentiometer

CONTROL SYSTEM

Volt free contacts for common alarm

Control panel heater

Volt free contacts for generator set running

Static battery charger

COOLING SYSTEM

Coolant heater

Low coolant level shutdown

Low coolant temperature

Low coolant level shutdown

ENCLOSURES

Sound attenuated level 2 enclosure

MOUNTING OPTIONS

Battery removal

Electronic governor

Industrial silencer removal

Residential silencer

Electronic governor

Silencer installation kit

FUEL SYSTEMS

Low fuel level shutdown

Skidbase for CALG enclosure sets

Compact skidbase for open sets

Low fuel level alarm

Compact skidbase for open sets

Low fuel level shutdown

Low fuel level alarm

Open set narrow tankbase

High fuel level alarm

DEFRA bunded fuel tank

TEST REPORTS

PGS test report @ 1.0 power factor

PGS test report @ 0.8 power factor

GENERAL

Stone guards / radiator trans flange

POWER TERMINATION

Circuit breaker, IEC, 4 pole

ACCESSORIES / MISCELLANEOUS

Packing case - canopied set

Packing case - compact set