

PRODUCT SPECIFICATIONS FOR D175 GC

GENERATOR SET SPECIFICATIONS

Minimum Rating	175 ekW
Maximum Rating	175 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	427.8 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	58.7 in

D175 GC STANDARD EQUIPMENT

AIR INLET SYSTEM

Air Cleaner; light duty with disposable element

Air Cleaner; light duty with disposable element

CONTROL PANELS

GCCP 1.2

GCCP 1.2 control panel

COOLING SYSTEM

Caterpillar extended life coolant

Radiator and cooling fan with guards

Coolant drain line with valves

Radiator and cooling fan with guards

Fan drive, battery charging alternator drive

GENERATOR AND GENERATOR ATTACHMENTS

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

12 leads

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

IP23 protection

12 leads

Tower panel, IP22, bottom cable entry

IP23 protection

Segregated low voltage (AC/DC) wiring panel

Tower panel, IP22, bottom cable entry

Voltage regulator (single phase sensing)

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

Standard open set fuel tank / base supplied

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

Includes lifting provision and drag points

Termination points for coolant and lube oil drain lines

Captive linear vibration isolators between base and engine-generator

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

D175 GC OPTIONAL EQUIPMENT

ALTERNATOR SYSTEM

Anti-condensation heater

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

Alternator removal

Quatrature droop king

Permanent magnet

3 Phase sensing

Optional LC frame alternator with coastal insulation protection

CIRCUIT BREAKERS

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

Padlockable breaker device

CONTROL PANEL OPTIONS

Battery charger

Volt free contacts

Earth leakage (2 wire only)

Speed adjust contacts

Battery charger

Speed adjust potentiometer

Earth fault (2 wire only)

Panel mounted audible alarm

Overload shutdown via breaker

Earth fault (2 wire only)

Emergency stop with key

Speed adjust contacts

Earth leakage (2 wire only)

Control panel heater

CONTROL SYSTEM

Volt free contacts for common alarm

Volt free contacts for generator set running

GCCP 1.2

Control panel heater

Static battery charger

COOLING SYSTEM

Low coolant level shutdown

Low coolant level shutdown

Coolant heater

Low coolant temperature

ENCLOSURES

Sound attenuated level 2 enclosure

MOUNTING OPTIONS

Electronic governor

Residential silencer

Electronic governor

Industrial silencer removal

Battery removal

Silencer installation kit

FUEL SYSTEMS

DEFRA bunded fuel tank

Low fuel level alarm

High fuel level alarm

Low fuel level shutdown

Compact skidbase for open sets

Low fuel level alarm

Compact skidbase for open sets

Skidbase for CALG enclosure sets

Low fuel level shutdown

Open set narrow tankbase

TEST REPORTS

PGS test report @ 0.8 power factor

PGS test report @ 1.0 power factor

GENERAL

Stone guards / radiator trans flange

GLOBAL CERTIFICATIONS

Certification for CIS

Certification for CIS

POWER TERMINATION

Circuit breaker, IEC, 4 pole

ACCESSORIES / MISCELLANEOUS

Packing case - canopied set

Packing case - compact set