

Product Specifications For DE715 GC



Generator Set Specifications

Maximum Rating	715 kVA
Minimum Rating	715 kVA
Emissions/Fuel Strategy	Non Regulated
Voltage	380 to 415 Volts
Frequency	50 Hz
Speed	1500 rpm
Duty Cycle	Standby

Engine Specifications

Engine Model	C15 In-line 6, 4-cycle diesel
Bore	137 mm
Stroke	171 mm
Displacement	15.2 l
Compression Ratio	16.1:1
Aspiration	Turbocharged Air-to-Air Aftercooled
Fuel System	EUI
Governor Type	Adem™ A4

Generator Set Dimensions

Length - Maximum	3328 mm
------------------	---------

Width - Maximum

1540 mm

Height - Maximum

2187 mm

Dry Weight - Genset (maximum)

3907 kg

DE715 GC Standard Equipment

Engine

Cat® C15 Inline 6 cylinder, 4 stroke diesel

Air Inlet

Air cleaner

Control Panels

GCCP 1.1

Governor

Mechanical governor

Alternator

A Frame standard alternator

Cooling

Package mounted radiator

Fuel Storage

Single wall 8 hour fuel tank

Cooling System

Radiator and cooling fan with guards

Fan drive, battery charging alternator drive

Fuel

Secondary fuel filters

Primary fuel filter with integral water separator

Fuel priming pump

Electrical Options

3 Pole Circuit breaker

Neutral earth link
24 Volt battery with rack and cables

Air Inlet System

Air cleaner; light duty with disposable element

Generator

Matched to the performance and output characteristics of Cat engines
Load adjustment module provides engine relief upon load impact and improves load acceptance and recovery time
IP23 Protection

Lube System

Lubricating oil
Oil drain line with valve

Mounting System

Captive linear vibration isolators
Lifting provision and drag points

Power Termination

Busbar

Generator And Attachments

Power center, IP22
Segregated low voltage (AC/DC) wiring panel
Integrated voltage regulator (IVR)
Optional LC Frame generator - IP23 Protection
Mandatory option circuit breaker, IEC, 3 pole, mounted in power centre

Mounting

Rubber vibration isolators

Governing System

Cat electronic governor (ADEM A4).

Lube System

Oil cooler
Oil drain valves

Mounting System

Captive linear vibration isolators between base and engine-generator includes lifting provisions and termination points for coolant and lube oil drain lines

Starting/Charging

24 Volt battery with rack and cables

General

Engine and alternator pre paint, Caterpillar yellow

Engine and alternator pre paint, Caterpillar yellow

DE715 GC Optional Equipment

Control Panel

Speed and Voltage adjust potentiometers

PLG 4G/3G/Ethernet

Annunciator

Emergency E-Stop

Exhaust

Industrial, residential, critical mufflers

Enclosure

Cat GC enclosure

Generator

Anti-condensation heater

Excitation: []Permanent magnet excitation (PMG) Excited (PM) []Internally Excited (IE)

Oversize and premium generators

Electrical Options

4 Pole Circuit breaker

Auxiliary contacts

Padlockable circuit breaker

Battery charger

Wet battery

Power Termination

Circuit breakers, IEC compliant

Circuit breakers, UL listed

Alternator

Space heater

AVR

Fuel System

Dual wall 8 hour fuel tank
Single wall 8 hour fuel tank with spill containment
Low fuel level shutdown
Low and high fuel level alarms
Fuel transfer system controls
Manual fuel transfer pump
Dual wall fuel tank base

Generator And Attachments

Permanent magnet excitation (PMG) generator
Oversize A Frame generator
Ingress protection
LC frame CIP generator
LC frame generator
Oversize LC frame generator
CIP A Frame generator
Space heaters

Starting/Charging

Battery chargers
Heavy duty starting system
Charging alternator
Oversize batteries
Jacket water heater

Exhaust System

Industrial silencer
10 dBA Attenuation silencer
Engine mounted muffler
Manifold and turbocharger guards
End in/end out mufflers - 10, 25 and 35 dBA attenuation
6 and 8 inch elbow kit
Flexible exhaust fittings
6 and 8 inch flange GP

Air Inlet System

Single stage air filter
Dual element air filter

Certifications

EU Certificate of Conformance (CE)
EAC Certification

General

Sound attenuated, weather protective or high ambient weather protective enclosure

EU Certificate of Conformance (CE)

The following options are based on regional and product configuration:

Narrow, wide or skid base

Automatic transfer switches (ATS)

Single or dual wall sub-base fuel tanks

EEC Declaration of Conformity

CSA Certification

UL 2200 package

Integral & sub-base UL listed dual wall fuel tanks

Seismic Certification per applicable building codes: IBC 2000, IBC 2003, IBC 2006, IBC 2009, CBC 2007

Single or dual wall integral fuel tanks

Extended Service Coverage

3, 4, 5 and 10 Years

Enclosures

High ambient sound attenuated enclosures

Lube System

Manual sump pump

Mounting System

Narrow skid base - replaces standard fuel tank base

Special Test / Reports

PGS Test report @ 1.0 power factor

PGS Test report @ 0.8 power factor

Starting / Charging System

5 Amp single Battery charger

Battery disconnect switch

Jacket water heater