

Product Specifications For DE605 GC (50 Hz)



Generator Set Specifications

Maximum Rating	605 kVA
Minimum Rating	605 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	5.4 in
Stroke	6.8 in
Displacement	928 in ³
Compression Ratio	16.1:1
Aspiration	Turbocharged Air-to-Air Aftercooled
Fuel System	EUI
Governor Type	Adem™ A4

Generator Set Dimensions

Length - Maximum	131 in
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Width - Maximum

60.6 in

Height - Maximum

86.1 in

Dry Weight - Genset (maximum)

8120 lb

DE605 GC (50 Hz) Standard Equipment

Engine

Cat® C15 Inline 6 cylinder, 4 stroke diesel

Control Panels

GCCP 1.1

Air Inlet

Air cleaner

Governor

Mechanical governor

Alternator

A Frame standard alternator

Cooling

Package mounted radiator

Fuel Storage

Single wall 8 hour fuel tank

Cooling System

Caterpillar extended life coolant

Radiator and cooling fan with guards

Fan drive, battery charging alternator drive

Electrical Options

3 Pole Circuit breaker

Neutral earth link

24 Volt battery with rack and cables

Fuel

Secondary fuel filters
Fuel priming pump
Primary fuel filter with integral water separator

Air Inlet System

Air cleaner; light duty with disposable element

Generator

IP23 Protection
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

Lube System

Lubricating oil
Oil drain line with valve

Mounting System

Captive linear vibration isolators
Lifting provision and drag points

General

Engine and alternator pre paint, Caterpillar yellow
Engine and alternator pre paint, Caterpillar yellow

Power Termination

Busbar

Generator And Attachments

Power center, IP22
Segregated low voltage (AC/DC) wiring panel
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

DE605 GC (50 Hz) Optional Equipment

Exhaust

Industrial, residential, critical mufflers

Control Panel

Speed and Voltage adjust potentiometers
PLG 4G/3G/Ethernet
Annunciator
Emergency E-Stop

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
Manual fuel transfer pump
Fuel transfer system controls
Dual wall fuel tank base

Generator And Attachments

Oversize A Frame generator
LC frame CIP generator
Permanent magnet excitation (PMG) generator
Space heaters
Ingress protection
LC frame generator
A Frame generator - IP21 Protection
CIP A Frame generator
Oversize LC frame generator

Starting/Charging

Charging alternator
Jacket water heater
Battery chargers
Oversize batteries
Heavy duty starting system
24 Volt battery with rack and cables

Air Inlet System

Single stage air filter
Dual element air filter

Certifications

EU Certificate of Conformance (CE)
EAC Certification

General

Automatic transfer switches (ATS)
EEC Declaration of Conformity
Integral & sub-base UL listed dual wall fuel tanks
Single or dual wall sub-base fuel tanks
Seismic Certification per applicable building codes: IBC 2000, IBC 2003, IBC 2006, IBC 2009, CBC 2007
CSA Certification
UL 2200 package
The following options are based on regional and product configuration:
Single or dual wall integral fuel tanks
EU Certificate of Conformance (CE)
Sound attenuated, weather protective or high ambient weather protective enclosure
Narrow, wide or skid base

Extended Service Coverage

3, 4, 5 and 10 Years

Enclosures

High ambient sound attenuated enclosures

Exhaust System

Industrial silencer

10 dBA Attenuation silencer

Manifold and turbocharger guards

End in/end out mufflers - 10, 25 and 35 dBA attenuation

Flexible exhaust fittings

6 and 8 inch elbow kit

6 and 8 inch flange GP

Engine mounted muffler

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