

Product Specifications For C15 (50 Hz)



Generator Set Specifications

Maximum Rating	550 kVA
Minimum Rating	365 kVA
Emissions/Fuel Strategy	Tier 2 or Tier 3
Voltage	208 to 600 Volts
Frequency	50 Hz
Speed	1500 rpm
Duty Cycle	Standby, Prime

Engine Specifications

Engine Model	C15 ATAAC, I-6, 4-Stroke Water-Cooled Diesel
Bore	137.2 mm
Stroke	171.4 mm
Displacement	15.2 l
Compression Ratio	16.1:1
Aspiration	Air to Air Aftercooled
Fuel System	MEUI
Governor Type	Adem™ A4

Generator Set Dimensions

Length - Maximum	3830 mm
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Width - Maximum

1481 mm

Height - Maximum

2193 mm

C15 (50 Hz) Standard Equipment

Air System

Turbocharger
Aftercooler core
Air cleaner - Non canister disposable paper filter

Air Inlet

Air cleaner

Control Panel

GCCP 1.3

Cooling

Package mounted radiator

Cooling System

Caterpillar extended life coolant
Radiator and cooling fan with guard
Fan drive, battery charging alternator drive
Coolant drain line with valve

Exhaust

Base, formed steel with single wall integral 8-hour fuel tank
Standard open set fuel tank/base supplied

Fuel

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

Fuel System

Engine fuel transfer pump
Primary fuel filter w/integral water separator and secondary filter
Fuel priming pump
Flexible fuel lines
Fuel cooler

Generator

Matched to the performance and output characteristics of Cat engines

IP23 Protection

Load adjustment module provides engine relief upon load impact and improves load acceptance and recovery time

Power Termination

Busbar

Generator And Attachments

Mandatory option circuit breaker, IEC, 3 pole, mounted in power centre

Optional LC Frame generator - IP23 Protection

Segregated low voltage (AC/DC) wiring panel

Integrated voltage regulator (IVR)

Power center, IP22

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

C15 (50 Hz) Optional Equipment

Air Inlet System

Single element air cleaner

Dual element air cleaner

Exhaust

Industrial, residential, critical mufflers

Certifications

EU Certificate of Conformance (CE)

Global certification for CIS

Generator

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

Oversize and premium generators

Anti-condensation heater

Power Termination

Circuit breakers, UL listed

Circuit breakers, IEC compliant

Circuit Breakers

Shunt trip for IEC circuit breaker

4 Pole (IEC-100% rated) Circuit breakers - Package mounted

Auxiliary contacts, circuit breaker

3 Pole (IEC-100% rated) Circuit breakers - Package mounted

3 Pole (IEC-100% rated) Circuit breakers - Motorised

Power terminal strip

4 Pole (IEC-100% rated) Circuit breakers - Motorised

Padlockable circuit breaker device

Generator And Attachments

Permanent magnet excitation (PMG) generator

LC frame CIP generator

Oversize LC frame generator

Space heaters

CIP A Frame generator

Oversize A Frame generator

Ingress protection

A Frame generator - IP21 Protection

LC frame generator

Control Panels

Fuel level sensor

Volt free contacts

Oil temperature displays

Local annunciator

GCCP 1.4

Local alarm horn

Remote annunciator module

Starting/Charging

Oversize batteries

Battery chargers

Jacket water heater

Heavy duty starting system

Charging alternator

Cooling System

Low coolant temperature alarm

Stone guards

Radiator duct flange

General

Narrow, wide or skid base

Single or dual wall integral fuel tanks

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

The following options are based on regional and product configuration:

Automatic transfer switches (ATS)

Integral & sub-base UL listed dual wall fuel tanks

CSA Certification

EEC Declaration of Conformity

Single or dual wall sub-base fuel tanks

UL 2200 package

Sound attenuated, weather protective or high ambient weather protective enclosure

EU Certificate of Conformance (CE)

Enclosures

High ambient sound attenuated enclosures

Sound attenuated enclosures

Exhaust System

6 and 8 inch elbow kit

Manifold and turbocharger guards

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

Engine mounted muffler

6 and 8 inch flange GP

Flexible exhaust fittings

Fuel System

Fuel transfer system controls

Manual fuel transfer pump

Dual wall fuel tank base

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

Jacket water heater

Battery disconnect switch