

PRODUCT SPECIFICATIONS FOR C15 (60 HZ)



Maximum Rating	500 ekW
Minimum Rating	320 ekW
Emissions/Fuel Strategy	Low Fuel, Tier 2, Tier 3, EU Stage IIIA
Voltage	208 to 600 Volts
Frequency	60 Hz
Speed	1800 RPM
Duty Cycle	Standby, Prime
Engine Model	C15 ATAAC, I-6, 4-Stroke Water-Cooled Diesel
Bore	5.4 in
Stroke	6.75 in
Displacement	927.56 in ³
Compression Ratio	16.1:1
Aspiration	Air to Air Aftercooled
Fuel System	MEUI
Governor Type	Adem™A4
Length - Maximum	168.2 in

Width - Maximum

81 in

Height - Maximum

126.3 in

C15 (60 HZ) STANDARD EQUIPMENT

AIR INLET

Air cleaner

AIR SYSTEM

Turbocharger

Air cleaner - Non canister disposable paper filter

Aftercooler core

CONTROL PANEL

GCCP 1.3

GCCP 1.3 Genset Controller

COOLING

Package mounted radiator

COOLING SYSTEM

Caterpillar extended life coolant

Fan drive, battery charging alternator drive

Radiator and cooling fan with guard

Coolant drain line with valve

EXHAUST

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

Standard open set fuel tank/base supplied

Exhaust flange outlet

FUEL

Secondary fuel filters

Primary fuel filter with integral water separator

Fuel priming pump

FUEL SYSTEM

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

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

POWER TERMINATION

Busbar

GENERATOR AND ATTACHMENTS

Mandatory option circuit breaker, IEC, 3 pole, mounted in power centre
Integrated voltage regulator (IVR)
Segregated low voltage (AC/DC) wiring panel
Optional LC Frame generator - IP23 Protection
Power center, IP22
A Frame generator - IP21 Protection

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
24 volt starting motor
Batteries

GENERAL

Engine and alternator pre paint, Caterpillar yellow
Paint - Caterpillar yellow except rails and radiators gloss black

C15 (60 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

CIRCUIT BREAKERS

Shunt trip for IEC circuit breaker
Padlockable circuit breaker device
4 Pole (IEC-100% rated) Circuit breakers - Motorised
Auxiliary contacts, circuit breaker
3 Pole (IEC-100% rated) Circuit breakers - Motorised
3 Pole (IEC-100% rated) Circuit breakers - Package mounted
4 Pole (IEC-100% rated) Circuit breakers - Package mounted
Power terminal strip

GENERATOR

Oversize and premium generators
Anti-condensation heater
Excitation: []Permanent magnet excitation (PMG) Excited (PM) []Internally Excited (IE)

POWER TERMINATION

Circuit breakers, UL listed
Circuit breakers, IEC compliant

CONTROL PANELS

GCCP 1.4
Volt free contacts
Local annunciator
Remote annunciator module

Remote annunciator module

Local alarm horn

Oil temperature displays

Protective devices: Earth fault relay ; Earth leakage Ground fault relay ; Overload shutdown via breaker ;

Low fuel level alarm ; Low fuel level shutdown ; High fuel level alarm ; Fuel level sensor

STARTING/CHARGING

Jacket water heater

Charging alternator

Heavy duty starting system

Battery chargers

Oversize batteries

COOLING SYSTEM

Stone guards

Radiator duct flange

Low coolant temperature alarm

ENCLOSURES

Sound attenuated enclosures

High ambient sound attenuated enclosures

GENERAL

Sound attenuated, weather protective or high ambient weather protective enclosure

CSA Certification

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

EEC Declaration of Conformity

Integral & sub-base UL listed dual wall fuel tanks

Automatic transfer switches (ATS)

Single or dual wall sub-base fuel tanks

The following options are based on regional and product configuration:

EU Certificate of Conformance (CE)

Single or dual wall integral fuel tanks

Narrow, wide or skid base

UL 2200 package

EXHAUST SYSTEM

Engine mounted muffler

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

6 and 8 inch elbow kit

Manifold and turbocharger guards

Flexible exhaust fittings

6 and 8 inch flange GP

FUEL SYSTEM

FUEL SYSTEM

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

GENERATOR AND ATTACHMENTS

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

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