

PRODUCT SPECIFICATIONS FOR C32 (60 HZ)

GENERATOR SET SPECIFICATIONS

Minimum Rating	830 ekW
Maximum Rating	1250 ekW
Emissions/Fuel Strategy	Low Fuel, Tier 2 Nonroad Stds
Voltage	220 to 4160 Volts
Frequency	60 Hz
Speed	1800 rpm
Duty Cycle	Standby, Mission Critical, Prime, Continuous

ENGINE SPECIFICATIONS

Engine Model	C32 TA, V-12, 4-Stroke Water-Cooled Diesel
Bore	5.71 in
Stroke	6.38 in
Displacement	1958.86 in ³
Compression Ratio	15.0:1
Aspiration	TA
Fuel System	MEUI
Governor Type	Adem™ A4

GENERATOR SET DIMENSIONS

Length - Minimum	164 in
Length - Maximum	172.7 in
Width - Minimum	66.3 in

Width - Maximum	87.7 in
Height - Minimum	85.1 in
Height - Maximum	86.4 in
Dry Weight - Genset (minimum)	14700 lb
Dry Weight - Genset (maximum)	16755 lb

C32 (60 HZ) STANDARD EQUIPMENT

AIR INLET SYSTEM

Single element canister type with service indicator

CONTROL PANEL

Warning Shutdowns

EMCP 4.2B

Digital Indicators

Communications

Control Features

Programmable Protective Relaying Functions

COOLING SYSTEM

Caterpillar Extended Life Coolant

ATAAC

Coolant drain line with valve

Low coolant level sensor

Fan and belt guards

Radiator fan and fan drive

EXHAUST SYSTEM

203 mm (8 in) ID round flanged outlet

Exhaust manifold - Dry

FUEL SYSTEM

Fuel cooler

Fuel priming pump

Secondary fuel filter

Primary fuel filter with water separator

GENERAL

RH Service

Caterpillar Yellow with high gloss black rails & radiator

SAE Standard Rotation

Flywheel and flywheel housing-SAE

GENERATORS AND ATTACHMENTS

Class H temperature rise at 40C ambient

3 Phase brushless

Permanent magnet

Winding temperature detectors

Integrated voltage regulator (IVR)

Reactive droop

IEC standard hole pattern

NEMA Class H insulation

Busbar connections, top center mounted, top cable entry

Salient pole

6 Lead

Internal excitation

GOVERNING SYSTEM

ADEM(tm) A4

LUBE SYSTEM

Gear type lube oil pump

Oil drain lines and valve

Fumes disposal

Lubricating oil

Integral lube oil cooler

Oil filter, filler and dipstick

MOUNTING SYSTEM

Rubber anti-vibration mounts

Rails - engine generator / radiator mounting

POWER TERMINATION

Busbar

STARTING AND CHARGING

45 Amp charging alternator

24 Volt electric starting motor

Battery disconnect switch

Battery, rack and cables

C32 (60 HZ) OPTIONAL EQUIPMENT

AIR INLET SYSTEM

Standard air cleaner

Heavy duty air cleaner

Dual element air cleaner

CIRCUIT BREAKERS

Shrouds

1600, 2000, 2500 and 3200 Amp, 3 Pole, IEC-Rated circuit breakers

Center posts busbars

Enclosures - Control packaging

400, 800, 1200, 1600, 2000, 2500 and 3000 Amp, 3 Pole, UL-100% Rated circuit breakers

Circuit breaker wiring groups

Power connection covers

Cable supports

800, 1600, 2000, 2500 and 3200 Amp, 4 Pole, IEC-Rated circuit breakers

CONTROL PANELS

EMCP 4.3, EMCP 4.4

COOLING SYSTEM

High Ambient radiator

Extended life coolant

Standard radiator

Radiator duct flange

Certified radiator

ENCLOSURES

Premium sound attenuated enclosure

Cold weather bundle

Color options

DC lighting package

Sound attenuated enclosure

AC panel, outlets and lights

Panel bracket

Enclosure Fuel Tank Options

Enclosure louvers - fixed and motorized

EXHAUST SYSTEM

Elbow mounting kit

Mufflers

Guard and Shield System

Flange and exhaust expanders

Flexible fittings

All C32 engines have 203 mm (8 in) exhaust outlets

Flanges

Exhaust through wall kit

GENERAL

US aid emblem

Special paint

GENERATOR AND ATTACHMENTS

Medium Voltage Optional Generators

Low Voltage Optional Generators

LUBE SYSTEM

Oil level regulator

Oil pan

Pre-lube manual sump pump

MOUNTING SYSTEM

Spring type vibration isolator

IBC vibration isolators

Mounting base types

Standard package isolators

POWER CONNECTIONS

Center post busbar

Low voltage connection cables

Neutral grounding connection

POWER TERMINATION

Circuit breakers, UL listed

Circuit breakers, IEC compliant

SPECIAL TESTS / REPORTS

Standard engine test

IBC seismic certifications

PGS test report @ 1.0 power factor

Custom genset TVA report

Generator test report

Standard genset Torsional Vibration Analysis (TVA) report

PGS test report @ 0.8 power factor

CSA test and certification

OSHPD seismic certifications

STARTING / CHARGING

10 Amp enclosure battery charger

35 Amp battery charger

Space heater

Jacket water heater

Electric starting motor - Standard / Heavy duty

Heavy-duty starting system

10 Amp battery charger

20 Amp battery charger

