

PRODUCT SPECIFICATIONS FOR C9 (60 HZ)



Maximum Rating	300 ekW
Minimum Rating	180 ekW
Emissions/Fuel Strategy	Low Fuel, Tier 3
Voltage	220 to 480 Volts
Frequency	60 Hz
Speed	1800 rpm
Duty Cycle	Standby, Prime
Engine Model	C9 ATAAC, I-6, 4-Stroke Water-Cooled Diesel
Bore	4.41 in
Stroke	5.87 in
Displacement	537.01 in ³
Compression Ratio	16.1:1
Aspiration	Air to Air Aftercooled
Fuel System	Hydraulic electronic unit injection
Governor Type	Adem™A4
Length - Maximum	157 in

Width - Maximum 47.5 in

Height - Maximum 73.5 in

C9 (60 HZ) STANDARD EQUIPMENT

AIR INLET SYSTEM

Turbocharger

Air cleaner, light duty with disposable paper filter

Aftercooler core

EXHAUST SYSTEM

Exhaust manifold; dry

Stainless steel exhaust flex, gaskets, rain cap & SAE exhaust flange for customer use; shipped loose

CONTROL PANELS

EMCP 4.2

COOLING SYSTEM

Caterpillar extended life coolant

Fan drive, battery charging alternator drive

Coolant drain line with valve

Radiator and cooling fan with guard

FUEL SYSTEM

Standard open set fuel tank / base supplied

Fuel cooler

Primary fuel filter w/integral water separator and secondary filter

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

Fuel priming pump

GENERATORS AND GENERATOR ATTACHMENTS

Mandatory option circuit breaker, IEC, 3 pole mounted in powercentre

IP23 protection

12 Leads

Segregated low voltage (AC/DC) wiring panel
Insulation class H and temperature rise
Power centre, IP22
Brushless, self-excited 2/3 pitch, random wound

Voltage regulator (single phase sensing)

GOVERNING SYSTEM

Cat electronic governor (ADEM A4)

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 SYSTEM

24V battery with rack and cables

GENERAL

Engine and alternator re-paint, Caterpillar Yellow

LUBE SYSTEM

Oil cooler
Oil drain valves
Fumes disposal; piped to front of radiator
Lubricating oil
Oil filter and dipstick
Oil drain lines with valve; piped to edge of base

C9 (60 HZ) OPTIONAL EQUIPMENT

CERTIFICATIONS

European certificate for conformance

Global certificate for CIS

AIR INLET SYSTEM

Single element air cleaner

CIRCUIT BREAKERS

4 Pole (IEC-100% rated) circuit breaker upgrades: 400, 630, 800 and 1000 amps

CONTROL PANELS

Control panel protective devices: Earth fault relay ; Earth leakage ground fault ; overload shutdown via breaker ; Low fuel level shutdown ; Low fuel level alarm ; Fuel level sensor

Control panel Options: Volt free contacts ; Local alarm horn ; Oil temperature displays

COOLING SYSTEM

Radiator duct flange

Low coolant temperature alarm

ENCLOSURES

High ambient sound attenuated enclosure

Sound attenuated enclosure

EXHAUST SYSTEM

5 - 6 inch flange adaptor

6 inch flange

Mufflers - End in / End out; 10 dBA or 25 dBA attenuation

5 and 6 inch elbow kits

FUEL SYSTEM

Integral dual wall fuel tank base

GENERATORS AND ATTACHMENTS

Permanent magnet generator

Oversize, AREP, CIP generators

MOUNTING SYSTEM

Narrow skid base

STARTING / CHARGING SYSTEM

Jacket water heater

5 Amp single battery charger

Battery disconnect switch

