

Product Specifications For C18 (50 Hz)



Generator Set Specifications

Maximum Rating	850 kVA
Minimum Rating	706 kVA
Emissions/Fuel Strategy	Low Fuel
Voltage	380 to 415 Volts
Frequency	50 Hz
Speed	1500
Duty Cycle	Standby, Prime

Engine Specifications

Engine Model	C18 ATAAC, I-6, 4-Stroke Water-Cooled Diesel
Bore	5.71 in
Stroke	7.2 in
Displacement	1106.4 in ³
Compression Ratio	14.5:1
Aspiration	Air to Air Aftercooled
Fuel System	Electronic unit injection
Governor Type	Adem™A4

Generator Set Dimensions

Length - Maximum	162.4 in
Width - Maximum	78.3 in

Height - Maximum

75 in

C18 (50 Hz) Standard Equipment

Air Inlet System

Single element air cleaner
Turbocharger
Aftercooler core
Light duty air cleaner

Control System

GCCP 1.3

Cooling

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

Exhaust System

Stainless steel exhaust flex gaskets, raincap and SAE exhaust flange for customer use - shipped loose

Fuel System

Standard 8 hour open set integral fuel tank

Generator And Attachments

LC frame generator - IP23 Protection
Matched to the performance and output characteristics of Cat engines
Segregated low voltage (AC/DC) wiring panel
Mandatory option circuit breaker, IEC, 3 pole, mounted in power centre
Integrated voltage regulator (IVR)
Power center, IP22
Integrated voltage regulator (IVR)

Governing System

Cat electronic governor (ADEM A4)

Lube System

Lubricating oil
Oil drain lines with valves

Mounting System

Captive linear vibration isolators between base and engine-generator.

Starting/Charging

24 Volt battery with rack and cables

General

Engine and alternator pre-paint, Caterpillar yellow

C18 (50 Hz) Optional Equipment

Air Inlet System

Dual element air cleaner

Circuit Breakers

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

Circuit breaker (IEC) Auxiliary contacts

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

Padlockable circuit breaker device

Shunt trip for IEC breaker

Power terminal strip

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

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

Control System

Local alarm horn

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

GCCP 1.4

Remote annunciator module

Oil temperature displays

Local alarm modules

Cooling System

Radiator transition flange

Low coolant temperature alarm

Enclosures

Sound attenuated enclosures (to be available soon)

Exhaust System

8 and 10 inch elbow kits

10, 25, 35 dB end in / end out mufflers

Engine mounted muffler

8 and 10 inch GP flanges

Manifold and turbocharger guards

Fuel System

Integral - Dual wall fuel tank base

Fuel transfer system

Manual fuel transfer pump

Generator And Attachments

Space heaters

A Frame CIP generator

LC frame CIP generator

A Frame oversize generator

Ingress protection

LC frame oversize generators

LC frame generator

Permanent magnet excitation (PMG)

Lube System

Manual sump pump

Starting And Charging

Jacket water heaters

5 Amp Battery charger

Battery disconnect switch

Jacket water heaters