

# PRODUCT SPECIFICATIONS FOR C18 (50 HZ)



<b>Maximum Rating</b>	850 kVA
<b>Minimum Rating</b>	706 kVA
<b>Emissions/Fuel Strategy</b>	Low Fuel
<b>Voltage</b>	380 to 415 Volts
<b>Frequency</b>	50 Hz
<b>Speed</b>	1500
<b>Duty Cycle</b>	Standby, Prime
<b>Engine Model</b>	C18 ATAAC, I-6, 4-Stroke Water-Cooled Diesel
<b>Bore</b>	5.71 in
<b>Stroke</b>	7.2 in
<b>Displacement</b>	1106.4 in <sup>3</sup>
<b>Compression Ratio</b>	14.5:1
<b>Aspiration</b>	Air to Air Aftercooled
<b>Fuel System</b>	Electronic unit injection
<b>Governor Type</b>	Adem™A4
<b>Length - Maximum</b>	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**

## **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