

<b>One (1)</b>	<b>CATERPILLAR POWER GENERATOR SET, MODEL C27 – 750 EKW (Standby Power Application) @ 0.8 Power Factor, 277/480 Volts, 3 Phase, 4 Wires, 60 Hertz at 1800 RPM, TIER 2</b> with the following standard accessories included:
----------------	---

#### **AIR INLET SYSTEM**

Air cleaner: single element canister type with service indicator.

#### **CONTROL PANELS**

EMCP 3.2 control panel including:

Voltage adjustment potentiometer

Auto start/stop control switch

Emergency Stop pushbutton

Panel lights

Digital AC meter – 3 Phase, True RMS

Digital indication for:

Operating hours

Oil pressure

Coolant temperature

DC volts

RPM

System diagnostic codes

Safety shutdowns protection with LED indication lights for:

Low oil pressure

High Coolant temperature

Over speed

Emergency stop

Failure to start (over crank)

Low coolant level

Spare alarm

Spare shutdown

#### **COOLING SYSTEM**

Radiator with guard (Sized for 50 C (122F))

Duct flange

Coolant drain line with valve, piped to edge of base

Fan and belt guards

Caterpillar Extended Life Coolant

(Not included with optional radiator removal)

Coolant level shutdown  
(Sensors shipped loose with radiator removal)

#### **EXHAUST SYSTEM**

Stainless steel exhaust flexes with ANSI style outlet flange, gasket, bolts and mating weld flange, shipped loose.

#### **FUEL SYSTEM**

Primary fuel filter  
Water separator  
Secondary fuel filter  
Fuel priming pump  
Flexible fuel lines terminated on base  
Fuel pressure gauge

#### **GENERATORS AND GENERATOR ATTACHMENTS**

SR4B Permanent Magnet Excitation  
Class H insulation, Class F temperature rise (105 C prime / 130 C standby)  
Random wound  
12 lead (600 volt generators are 6 lead)  
VR3F Voltage Regulator, 3-Phase sensing, 2:1 Volts/Hz  
Reactive droop  
Bus bar termination  
Extension box  
Segregated low voltage (AC/DC) wiring panel

#### **GOVERNING SYSTEM**

CAT Electronic Governor

#### **LUBE SYSTEM**

Lubricating oil  
Oil filter  
Oil drain line with valve, piped to edge of base  
Fumes disposal, piped to front of radiator

#### **MOUNTING SYSTEM**

Base, formed steel with linear vibration isolators between base and engine- generator.

#### **STARTING/CHARGING SYSTEM**

45 amp charging alternator  
Energized to run (ETR) fuel shutoff solenoid with mechanical and CAT electronic Governor  
Energized to shutoff (ETS) fuel shutoff solenoid 2301A Governor (optional)  
24 volt starting motor  
Battery with rack, cables  
Battery disconnect switch  
NOTE: STA engines require jacket water heater or fuel-fired heater for Ambient below 20 C (68 F)

#### **ADDITIONAL EQUIPMENT INCLUDED:**

\*Sound Attenuated Enclosure  
\*Jacket Water Coolant Heater  
\*Battery Charger  
\*Muffler Critical Type

---

