



Image shown may not reflect actual package.

### LOAD MANAGEMENT 2000 e kW 2500 kVA 60 Hz 1800 rpm 480 Volts

Caterpillar is leading the power generation marketplace with Power Solutions engineered to deliver unmatched flexibility, expandability, reliability, and cost-effectiveness.

## FEATURES

### UL 2200

- UL 2200 Listed configuration available
- **FULL RANGE OF ATTACHMENTS**
- Wide range of bolt-on system expansion attachments, factory designed and tested **ENCLOSURES (optional)**
- Weather protective and sound attenuated **SINGLE-SOURCE SUPPLIER**
- Fully prototype tested with certified torsional vibration analysis available
- **WORLDWIDE PRODUCT SUPPORT**
- Caterpillar® dealers provide extensive post sale support including maintenance and repair agreements
- Caterpillar dealers fill 99.7% of parts orders within 24 hours
- Caterpillar dealers have over 1,844 dealer branch stores operating in 166 countries
- The Cat Scheduled Oil Sampling (S·O·S<sup>SM</sup>) program cost effectively detects internal engine component condition, even the presence of unwanted fluids and combustion by-products



### CAT 3516B TA DIESEL ENGINE

- Reliable, rugged, durable design
- Field-proven in thousands of applications worldwide
- Four-stroke-cycle diesel engine combines consistent performance and excellent fuel economy with minimum weight
- UL 2200 Listed packages are available. Certain restrictions may apply. Consult with your Caterpillar dealer



### CAT SR4B GENERATOR

- Matched to the performance and output characteristics of Caterpillar engines
- Optimum winding pitch for minimum total harmonic distortion and maximum efficiency
- Single point access to accessory connections
- UL 1446 recognized Class H insulation



### CAT CONTROL PANELS

- Controls designed to meet individual customer needs:
  - EMCP II+ offers full-featured power metering and protective relaying
- UL 508A Listed

**SPECIFICATIONS****CAT GENERATOR****SR4B Generator**

Frame size.....	826
Excitation.....	Permanent Magnet
Pitch.....	0.7142
Number of poles.....	4
Number of bearings.....	002
Insulation.....	UL 1446 Recognized Class H with tropicalization and antiabrasion
IP rating.....	Drip Proof IP22
Alignment.....	Closed Coupled
Overspeed capability - % of rated.....	150
Wave form.....	Less than 5% deviation
Paralleling kit/Droop transformer.....	Standard
Voltage regulator.3 Phase sensing with selectable volts/Hz	
Voltage regulation.....	Less than +/- 1/2% (steady state) Less than +/- 1% (no load to full load)
Telephone Influence Factor.....	Less than 50
Harmonic Distortion.....	Less than 5%

**CAT DIESEL ENGINE****3516B TA, V-16, 4-stroke-cycle watercooled diesel**

Bore - mm.....	170.00 mm (6.69 in)
Stroke - mm.....	190.00 mm (7.48 in)
Displacement - L.....	69.06 L (4214.04 cu. in)
Compression ratio.....	14.0:1
Aspiration.....	TA
Fuel system.....	Electronic unit injection

**CAT CONTROL PANELS**

- EMCP II+
- 24 Volt DC Control
- NEMA 12, IP44 enclosure
- Electronically dead front
- Lockable hinged door
- Generator instruments meet ANSI C-39-1
- Generator terminal box mounted
- Single location for customer connection
- UL508A Listed
- Panel illuminating lights
- Auto start/stop control
- True RMS metering, 3-phase
- Digital indications for:
  - RPM
  - Operating hours
  - Oil pressure
  - Coolant temperature
  - System DC volts
  - L-L volts, L-N volts, Phase amps, Hz
- ekW, kVA, kVAR, kWhr, %kW, PF
- Shutdowns with indicating lights for:
  - Low oil pressure
  - High coolant temperature
- Low coolant level
- Overspeed
- Emergency stop
- Failure to start (overcrank)
- Programmable protective relaying functions:
  - Under and over voltage
  - Under and over frequency
  - Reverse power
- Overcurrent (phase and total)
- Programmable kW level relay
- 3 spare indicator LED's (programmable)
- 4 spare alarm/shutdown inputs