GATERPILLAR®

DIESEL GENERATOR SET

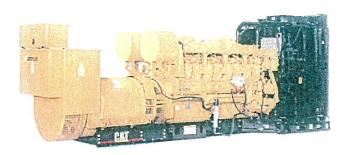


Image shown may not reflect actual package.

LOAD MANAGEMENT 2000 ekW 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•SSM)
 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

CATERPILLAR®

LOAD MANAGEMENT 2000 ekW 2500 kVA

60 Hz 1800 rpm 480 Volts

SPECIFICATIONS



CAT GENERATOR

SR4B Generator	
Frame size	826
Excitation	Permanent Magnet
Pitch	0.7142
Number of poles	4
Number of bearings	002
InsulationUL 1446 Recog	nized Class H with
tropicalization and antiabrasion IP rating	Drip Proof IP22
Alignment	
Overspeed capability - % of rated	150
Wave form Less	than 5% deviation
Paralleling kit/Droop transformer	Standard
Voltage regulator.3 Phase sensing with	selectible volts/Hz
Voltage regulationLess 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