

GAS PKG. GEN SET (I)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
At Factory

Product Consist:

PRICING INFORMATION

These prices are manufacturer suggested resale prices and are subject to change without notice. Shipment will usually be made from source of manufacture, or at factory discretion. Attachment prices are for attachments installed as original equipment unless otherwise specified.

Net price items are subject to no further discounts.

All prices are installed list prices unless otherwise specified.

SHIPMENT DATE SPECIFIC PRICING IS BEST FOUND THROUGH THE CSQ QUOTING TOOL.

List Price at Factory

AVAILABILITY

For product availability go to Power Net at <https://engines.cat.com>
Under the quick links, select Engine Availability Letters.

GLOSSARY OF TERMS

For product abbreviations go to Power Net at <https://engines.cat.com>
Under the quick links, select TMI Web. Once in TMI select Abbreviations, listed under TMI Definitions.

DESIGN TO ORDER (DTO)

Orders requiring special engineering (referred to as DTO) will require additional process time. This time is over and above normal order processing or product availability.

Attachments listed in the price list are NOT interchangeable between sales models or applications. If attachments are required for a particular model or configuration but are not listed as compatible for this model in a specific price list, the order will require a DTO. This is true even when the same attachment or configuration has been ordered in the past.

A DTO will require an application and installation (A & I) marketing quote. For further information contact the Application Support Center.

Requests for special ratings not listed in the Price List should also be sent to the Application Support Center. If the special rating is possible, it may also require a DTO and could require additional processing time if the appropriate details have not yet been established.

Please keep this information in mind when discussing or quoting approximate availability to your customers.

DTO quotes are typically valid for six (6) months. If the quote expires, regardless if it has been ordered or not, a new DTO quote will be required before an order can be placed.

DEALER SPECIFIC PRICING TERMS

To obtain the latest specific conditions from Caterpillar to

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DEALER SPECIFIC PRICING TERMS (CONT.)

individual Cat dealers please use Engine Order Management Process (EOMP) quoting and order tools like ISA or PSQ. For questions or special requests, please contact your Caterpillar representative.

TECHNICAL PERFORMANCE DATA

Technical performance data and Engine rating information is available in Power Net at <https://engines.cat.com>.

Gas Engine Rating Program(GERP) can be downloaded at <https://engines.cat.com/epgerp>.

Under the quick links, select TMI Web. Once in TMI select TMI Performance Definitions.

To request dealer specific authorization, please follow links to Engine Order Management Process (EOMP) at Caterpillar Power Net (<https://engines.cat.com>). CWS logon id is needed to access Power Net.

RATINGS GUIDE

The EPG Ratings Guide may be ordered through Media Logistics by calling +1 (800) 566-7782 or +1 (309) 266-0942. Gas Engine Rating Program(GERP) can be downloaded at <https://engines.cat.com/epgerp>.

The current EPG Ratings Guide media number for Cat Generator Sets is LEXE7582 or LEXE7581 for Olympian Generator Sets.

Current EPG ratings are also available by accessing the Electronic Media Center at <https://emc.cat.com> and on Power Net at <https://engines.cat.com>, select Electric Power then select References/Sales Tools.

GENERAL INFORMATION

G3520H Engine "H" Series Engine
Caterpillar Gas Engine Control Module (GECM)
(Based upon ADEM4 Module)
Features include:
Fuel/air ratio control
Start/stop logic:
Gas purge cycle
Staged shutdown
Engine Protection Systems:
Detonation Sensitive Timing
High exhaust temperature shutdown
(For a complete listing check sales technical or service literature.)
Governor (See Governor below.)
Transient Richening and Turbo Bypass Control
Ignition (See Ignition below.)
Speed Increasing Gearbox, 1500 to 1800 RPM (60Hz)
Gearbox Protection Systems (60Hz)
Gearbox High/Low Oil Pressure Shutdown (60Hz)
Gearbox High Oil Temperature Shutdown (60Hz)
Gearbox Heating Coil (60Hz)

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AIR INLET SYSTEM

Two-element single-stage air-cleaner with enclosure and service indicator mounted on package is standard on this Genset.

Two-element single-stage air cleaner with enclosure and service indicator (shipped loose) available as optional on this Genset. Does not include any enclosure mounting brackets or piping from air cleaner to turbo(s).

EXHAUST SYSTEM

Dry exhaust manifold, insulated and shielded
Cat-flanged face outlet on turbocharger
Individual exhaust port and turbocharger outlet wired to Integrated Temperature Sensing Module (ITSM) with Gas ECM providing alarms and shutdowns.

FUEL SYSTEM

Engine-installed electronic fuel control valve with 4-inch tube 8-bolt DN100 flange.
Throttle plate, electronically controlled 24V DC actuator; controlled by Gas Engine Control Module.
Fuel train is required to be installed on the package at the time of installation and it is offered as standard based on the region selected.
Gas trains contain the following parts.
24V DC Energized-To-Run (ETR) Gas Shutoff Valve.
Fuel filter
Gas pressure regulator
This also contains the flexible connection to the Engine Fuel inlet
Fuel system is sized for 31.5 to 47.2 MJ/nM3 (800 to 1200 btu/cu ft) dry pipeline natural gas with pressure of 10.2 to 34.5 kPa (1.5 psi to 5 psi) to the engine fuel control valve

GENERATORS AND GENERATOR ATTACHMENTS

3-phase brushless, salient pole
6 lead
IEC Platinum Stator RTDs (.00385 Temp coefficient)
Caterpillar's Digital Voltage Regulator (CDVR) - CDVR includes droop capability, 3-Phase voltage sensing, KVAR/PF modes, RFI suppression, min/max exciter limiter and exciter diode monitor.
Winding and Bearing temperature detectors
Anti-Condensation space heaters
3000 Frame Generators
Form Wound
Permanent Magnet Excitation
NEMA Class H insulation, Class F temperature rise at 40C ambient

GOVERNING SYSTEM

ADEM A4 speed governor with 4 to 20 ma (0V to 5V) speed input.
Redundant Shutdown (Overspeed protection through a duplicate speed sensing system).

IGNITION SYSTEM

Electronic Ignition System (controlled by ADEM A4)

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IGNITION SYSTEM (CONT.)

Individual Cylinder Detonation Sensitive Timing (DST)

INSTRUMENTATION

Customer installed wall mount interface panel including EMCP4.3 controller that includes:

24-volt DC operation
Environmental sealed front face
Text alarm/event descriptions
Kilowatt transducer output

Controls:

Speed/ Voltage adjust
Auto/start/stop control
Alarm acknowledge
Emergency stop pushbutton
Customer Warning/Shutdown Lamp test
True RMS AC metering, 3-phase, +/-2% accuracy
Remote monitoring and Control capability

Warning/shutdown with common LED indication of shutdowns with indicating lights for:

Low oil pressure
High/Low coolant temperature
High engine oil temp
Low, High and weak battery voltage
Overspeed
Failure to start (Overcrank)
Emergency stop
Loss of sensing
Air filter restriction
Impending shutdown

Digital indication for:

RPM
DC volts
Operating hours
Oil pressure (psi, kPa or bar)
Volts (L-L & L-N), frequency (Hz)
Amps (per phase & average)
Two (2) dedicated digital inputs
Twelve (12) Programmable digital inputs
Two (2) dedicated digital outputs
Sixteen (16) programmable digital outputs

Environmental:

Control module operating temperature:-40C to 70C
Display operating temperature: - 20C to 70C
Humidity: 100% condensing 30C to 60C
Storage temperature: -40C to 85C
Vibration: Random profile, 24-1000Hz, 6.0G rms

Generator protection:

Generator phase sequence

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INSTRUMENTATION (CONT.)

Over/Under voltage
Over/ Under frequency
Reverse power(kW)
Reverse reactive power(kVar)
Over current
Current balance
Over/Loss of Excitation
Generator temperature detectors

The Quick Starting Guide will be provided with the package documentation. Additional copies may be ordered through

Media Logistics by calling +1 (800) 566-7782 or +1 (309) 266-0942. The quick starting guide media number for Cat Generator Sets is LEXE0187-00. The Quick starting guide is also available by accessing the Electronic Media Center at <https://emc.cat.com> and on Power Net at <https://engines.cat.com>, select Electric Power then select References/Sales Tools.

LITERATURE

English (CD Rom with product documentation)
More Language Literature available as optional

LUBE SYSTEM

Lubricating oil is available as an option
Gear type lube oil pump.
Oil filter, filler and dipstick.
Integral lube oil cooler.
Oil drain valve.

Positive crank ventilation. (Ingestive system to return crankcase fumes to air intake)
(This is not developed for landfill/ digester gas applications)
(Shipped loose)

MOUNTING SYSTEM

Rails - Engine/Generator mounting (50 Hz)
Rails - Engine/Generator/Gearbox mounting (60Hz)
Spring anti-vibration mounts (Optional, Shipped loose)
Seismic anti-vibration mounts (Optional, Shipped loose)

COOLING SYSTEM

See TMI for heat rejection data and pump performance -
JW and SCAC engine-driven pumps (Engine driven pumps are standard iron on selected feature codes)
JW and SCAC thermostats
JW (with pumps)/Connections - ANSI CLASS 150
JW (without pumps)/Connections - CAT flange
2nd stage SCAC - CAT flange

STARTING/CHARGING SYSTEM

24V starting motors.
Battery disconnect switch
Jacket water heater is required:

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STARTING/CHARGING SYSTEM (CONT.)

Customer can provide or see JW heater options in the mandatory Jacket Water Heater section
Optional 60-amp, 24V charging system alternator
Battery with rack and cables are available as an option (shipped loose)

GENERAL

Paint--Caterpillar Yellow except rails Gloss Black
Damper guard

NOTE: "Stationary Use Only Label": Effective January 2004, the US EPA Nonroad Mobile SI rule restricts the use of SI gas engines in the United States. Caterpillar's Gas Engines are not certified for mobile applications within the US and are to be used in "stationary use only" applications. All gas engines will have this label attached regardless of the dealer placing the order.

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**50 HERTZ, 1500 RPM; 3 PHASE; 6,600(WYE) or 6,900 (WYE) VOLT
PM EXCITED**

- | | | | |
|----------|----------------|--|--------------------|
| I | 520GE1Q | <p>G3520H 50 HZ PKG - CONTINUOUS 0</p> <p>3125 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps
 Generator Argt = 432-1656, Frame = 3045 HE, Pitch = .6667.
 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2.
 This configuration provides Standard Aftercooler without Engine-Driven Pumps.
 This configuration is optimized for efficiency
 Ratings are w/o fan or radiator.</p> | \$1,455,958 |
| I | 520GE1U | <p>G3520H 50 HZ PKG - CONTINUOUS 0</p> <p>3107 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps
 Generator Argt = 432-1656, Frame = 3045 HE, Pitch = .6667.
 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2.
 This configuration provides Standard Aftercooler with Engine-Driven Pumps.
 This configuration is optimized for efficiency
 Ratings are w/o fan or radiator.</p> | \$1,466,499 |
| I | 520GE1S | <p>G3520H 50 HZ PKG - CONTINUOUS 0</p> <p>3125 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps
 Generator Argt = 432-1656, Frame = 3045 HE, Pitch = .6667.
 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2.
 This configuration provides Standard Aftercooler without Engine-driven Pumps.
 This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations.
 Ratings are w/o fan or radiator.</p> | \$1,455,958 |

G3520H NL

GAS PKG. GEN SET (I) LAFAYETTE, INDIANA		Ship Weight lbs	List Price At Factory
I	<p>520GE1W G3520H 50 HZ PKG - CONTINUOUS 0</p> <p>3107 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 432-1656, Frame = 3045 HE, Pitch = .6667. Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2. This configuration provides Standard Aftercooler with Engine-driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,466,499
I	<p>520GE3B G3520H 50 HZ PKG - CONTINUOUS 0</p> <p>3125 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 432-1656, Frame = 3045 HE, Pitch = .6667. Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2. This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,455,958
I	<p>520GE3D G3520H 50 HZ PKG - CONTINUOUS 0</p> <p>3107 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 432-1656, Frame = 3045 HE, Pitch = .6667. Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2. This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,466,499
<p>50 HERTZ, 1500 RPM; 3 PHASE; 10,500(WYE) or 11,000 (WYE) VOLT PM EXCITED</p>			
I	<p>520GE1R G3520H 50 HZ PKG - CONTINUOUS 0</p> <p>3125 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 391-5952, Frame = 3045 HE, Pitch = .6667. Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2. This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.</p>		\$1,455,958
I	<p>520GE1V G3520H 50 HZ PKG - CONTINUOUS 0</p> <p>3107 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 391-5952, Frame = 3045 HE, Pitch = .6667. Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2. This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.</p>		\$1,466,499

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GAS PKG. GEN SET (I) LAFAYETTE, INDIANA		Ship Weight lbs	List Price At Factory
I	<p>520GE1T G3520H 50 HZ PKG - CONTINUOUS 0 3125 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 391-5952, Frame = 3045 HE, Pitch = .6667. Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2. This configuration provides Standard Aftercooler without Engine-driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,455,958
I	<p>520GE1X G3520H 50 HZ PKG - CONTINUOUS 0 3107 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 391-5952, Frame = 3045 HE, Pitch = .6667. Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2. This configuration provides Standard Aftercooler with Engine-driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,466,499
I	<p>520GE3C G3520H 50 HZ PKG - CONTINUOUS 0 3125 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 391-5952, Frame = 3045 HE, Pitch = .6667. Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2. This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,455,958
I	<p>520GE3E G3520H 50 HZ PKG - CONTINUOUS 0 3107 kVA - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 391-5952, Frame = 3045 HE, Pitch = .6667. Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2. This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,466,499
60 HERTZ; 1500 RPM; 3 PHASE: 4,160(WYE) VOLT; PM EXCITED			
I	<p>520GE3K G3520H 60 HZ PKG - CONTINUOUS 0 2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 461-4098, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.</p>		\$1,289,969

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I	<p>520GE3N G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2469 eKW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 461-4098, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.</p>		\$1,300,507
I	<p>520GE3L G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 461-4098, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,289,969
I	<p>520GE3P G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2469 eKW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 461-4098, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,300,507
I	<p>520GE3M G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 461-4098, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations.</p>		\$1,289,969
I	<p>520GE3Q G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2469 eKW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 461-4098, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations.</p>		\$1,300,507

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**60 HERTZ; 1500 RPM; 3 PHASE: 6,300(WYE), 6,600(WYE),
OR 6,900(WYE) VOLT; PM EXCITED**

<p>I 520GE1Y G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 424-7058, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.</p>	<p>\$1,306,360</p>
<p>I 520GE2E G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2469 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 424-7058, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.</p>	<p>\$1,316,900</p>
<p>I 520GE2B G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 424-7058, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>	<p>\$1,306,360</p>
<p>I 520GE2H G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2469 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 424-7058, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>	<p>\$1,316,900</p>

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I	520GE2Y G3520H 60 HZ PKG - CONTINUOUS 0 2469 eKW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 424-7058, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.		\$1,316,900

**60 HERTZ; 1500 RPM; 3 PHASE: 12,470(WYE), VOLT;
PM EXCITED**

I	520GE1Z G3520H 60 HZ PKG - CONTINUOUS 0 2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 390-0466, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.		\$1,306,360
I	520GE2F G3520H 60 HZ PKG - CONTINUOUS 0 2469 eKW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 390-0466, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.		\$1,316,900

G3520H NL

GAS PKG. GEN SET (I) LAFAYETTE, INDIANA		Ship Weight lbs	List Price At Factory
I	<p>520GE2C G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 390-0466, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,306,360
I	<p>520GE2J G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2469 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 390-0466, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,316,900
I	<p>520GE2W G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 390-0466, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,306,360
I	<p>520GE2Z G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2469 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 390-0466, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,316,900

**60 HERTZ; 1500 RPM; 3 PHASE: 13,200(WYE), OR
 13,800(WYE) VOLT; PM EXCITED**

G3520H NL

GAS PKG. GEN SET (I) LAFAYETTE, INDIANA		Ship Weight lbs	List Price At Factory
I	<p>520GE2A G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 425-1768, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.</p>		\$1,306,360
I	<p>520GE2G G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2469 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 425-1768, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration is optimized for efficiency Ratings are w/o fan or radiator.</p>		\$1,316,900
I	<p>520GE2D G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 425-1768, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,306,360
I	<p>520GE2K G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2469 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 425-1768, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,316,900
I	<p>520GE2X G3520H 60 HZ PKG - CONTINUOUS 0</p> <p>2483 ekW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C Without Pumps Generator Argt = 425-1768, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler without Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Ratings are w/o fan or radiator.</p>		\$1,306,360

G3520H NL

GAS PKG. GEN SET (I)	Ship Weight	List Price
LAFAYETTE, INDIANA	lbs	At Factory

I	520GE3A	G3520H 60 HZ PKG - CONTINUOUS 0 2469 eKW - JW Temp = 99 C, AC Temp 1st/2nd = 99C/48C With Pumps Generator Argt = 425-1768, Frame = 3044 HR, Reverse Rotation, Pitch = .6667 Winding = Form Wound, No. of Leads = 6, No. of Bearings = 2 This configuration provides Standard Aftercooler with Engine-Driven Pumps. This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between HIGH RESPONSE and HIGH ALT/HIGH AMBIENT configurations. Refer to GERP when choosing between High Ambient Temp/High Altitude configurations. Ratings are w/o fan or radiator.	\$1,316,900
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USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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VOLTAGE INDICATORS

Voltage Indicators - select one

All package gen set orders REQUIRE a voltage be specified. Choose the appropriate voltage feature code from the following list based on frequency and generator arrangement being ordered.

50 Hertz Voltage Indicators.

I	50H6600	VOLTAGE INDICATOR 6600V (WYE) 0 TECHNICAL: Wye connection.		NC
I	50H6900	VOLTAGE INDICATOR 6900V (WYE) 0 TECHNICAL: Wye connection.		NC
I	50H105K	VOLTAGE INDICATOR 10.5KV (WYE) 0 TECHNICAL: Wye connection.		NC
I	50H11K0	VOLTAGE INDICATOR 11000V (WYE) 0 TECHNICAL: Wye connection.		NC

60 Hertz Voltage Indicators

I	60H4160	VOLTAGE INDICATOR 4160V (Wye) 0 TECHNICAL: Wye connection.		NC
I	60H6300	VOLTAGE INDICATOR 6300V (Wye) 0 TECHNICAL: Wye connection.		NC
I	60H6600	VOLTAGE INDICATOR 6600V (Wye) 0 TECHNICAL: Wye connection.		NC
I	60H6900	VOLTAGE INDICATOR 6900V (Wye) 0 TECHNICAL: Wye connection.		NC
I	60H12K4	VOLTAGE INDICATOR 12470V (Wye) 0 TECHNICAL: Wye connection.		NC
I	60H13K2	VOLTAGE INDICATOR 13200V (Wye) 0 TECHNICAL: Wye connection.		NC
I	60H13K8	VOLTAGE INDICATOR 13800V (Wye) 0 TECHNICAL: Wye connection.		NC

Special Voltage Indicator

I	VLIND1	VOLTAGE INDICATOR - SPECIAL 0 TECHNICAL: Non-standard voltage, frequency & connection to be specified in custom quote on order.		NC
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CERTIFICATIONS

EUROPEAN DIRECTIVE

Select one

I	EUDGDOI	EUROPEAN DIRECTIVE GENSET DOI 0 TECHNICAL: Provides Declaration of Incorporation document per 2006/42/EC (Machinery Safety Directive), and 2006/95/EC (Low Voltage Safety Directive). The Declaration of Incorporation allows free movement of goods in the EU per the Machinery Safety Directive, 2006/42/EC, and references demonstrated compliance to other applicable directives. This is required by OEM manufacturers when the subject product is installed in a more complex installation.		\$271 NET
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USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CERTIFICATIONS (CONT.)

EUROPEAN DIRECTIVE (Cont.)

I	NOEUCRT	NO EU CERT REQUEST-SEE DETAILS	0	NC
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GRID CODE COMPLIANCE

Select one

I	GDCDGER	GERMANY GRID CODE COMPLIANCE	0	\$1,121 NET
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This provides a genset, with the proper components, that has been verified to be compliant with the German requirements as described in the guideline 'generating plants connected to the medium-voltage network' (BDEW Technical Guideline, issued June 2008, with a fourth amendment taking effect January 1 2013).

Substitutions of the generator that has been verified to be with this grid code are not allowed and will void this certification.

REQUIRES: 50H6600 or 50H6900 or 50H105K or 50H11K0

I	GDCDNRE	GRID CODE COMPLIANCE NOT REQ	0	NC
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Dynamic grid codes, also known as electrical network codes, provide conditions under which a generator connected to the public electrical grid must meet to help ensure safe, secure operation of the grid.

These codes can vary depending on the regional, national, or international grid authority. If you have a project with a specific electrical grid code requirement not currently available, and you anticipate quoting Electric Power Gas genset products from the price list of a US source facility, please contact the ASC for assistance.

By working with the ASC, we can evaluate the project requirements and quote products that will meet specific electrical network codes.

APPLICATION INDICATORS

Application Indicators - select one.

Provides power setting and name plate for use in specified applications.

I	CONTINU	CONTINUOUS POWER APPLICATION	0	NC
		For application at continuous rating.		

Operation Indicators

I	PARGRID	PARALLEL-TO-GRID MODE	0	NC
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TECHNICAL: Refer to LEXE0816 for 50Hz and LEXE0815 for 60Hz, for load and unload capability.

It is the dealer's responsibility to match the customers' needs to the product's capability.

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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APPLICATION INDICATORS (CONT.)

Operation Indicators (Cont.)

I	ISLMDE2	ISLAND MODE 0		NC
		<p>TECHNICAL: Primary application is:</p> <ol style="list-style-type: none"> 1) Stand-alone without any connection to the utility grid. 2) Parallel with other units not connected to the utility grid. 3) Connected to a small utility grid which can experience frequency and voltage changes. 4) Paralleled to grid, but when grid is "down", the genset must operate stand-alone with minimum freq/voltage variation. <p>Selecting this feature code confirms that the Island Mode Product update LEXE0816 for 50Hz and LEXE0815 for 60Hz, has been read and understood. Any transient applications beyond what is specifically identified in LEXE0816 for 50Hz and LEXE0815 for 60Hz, will not be supported by Caterpillar. Further questions regarding the Product Update or the capabilities of this genset must be Additional information is available in the Gas Engine directed to the Application Support Center (ASC). Additional information is available in the Gas Engine Controls A&I guide (LEBW4982) and through the ASC. Caution: Gas engine gen sets cannot accept transient conditions equal to a diesel gen set or a large utility grid. It is the dealer's responsibility to be sure the customers' needs are matched to this product's capability.</p>		

Market Segmentation - select one.

I	MSEPGGS	END USE: GENERAL EPG GAS 0		NC
		<p>All gaseous fueled, spark ignited generator sets utilized in the generation of electrical power and or combined heat and power applications including cogen, trigen, and quadgen. These gas genset products are applied in, but not limited to commercial, industrial, agricultural, utility, public and civil service sectors. These products are often leveraged in utility applications, food processing plants, landfill sites, agriculture livestock facilities, wastewater treatment plants, biofuel manufacturing plants, communication sites, data centers, commercial/residential buildings, manufacturing plants, greenhouses, and mining sites. These gensets are often applied in base load, load management, and standby applications. This category should not be used for EP Rental, Petroleum, Locomotive, or Marine electric power applications.</p>		
KB	MSPMDXQ	END USE: EPG Rental-All Product 0		NC
		<p>All generator sets (diesel and gas) utilized in the generation of electrical power for the application "RENTAL." This includes all standard open and enclosed products that will support dealer rental fleets as well as specific EP Rental products (XQ & XQE). This category should not be used for Diesel & Gas EPG (nonrental), Petroleum, Locomotive, or Marine electric power applications. Please ensure the selected unit complies with regional emission standards.</p>		

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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APPLICATION INDICATORS (CONT.)

Market Segmentation - select one. (Cont.)

I	MSPETDR	PETROLEUM LAND DRILLING 0 Engines, transmissions and packages used to drill oil and gas wells (including auxiliary GEN Sets mounted on drill rigs). This includes Petroleum, Industrial, EPG, and Marine price list products.		NC
I	MSPETPG	END USE: PETRO PRODUCTION/PUMP 0 All engines utilized in the generation of mechanical and electrical power for exploration, recovery and transmission of petroleum products including gathering, production, pumping, and refining, (but not gas compression or drilling). Applications include camp power, emergency gen sets (non-drilling), prime power at production and storage facilities, cranes, fire pumps, air compressors, primary or secondary recovery systems such as down hole pumps, water flood or disposal systems, etc. This includes rental products which fit Petroleum Production/Pumping market segment description. This includes industrial, marine, and EPG price list products.		NC
I	MSPETOD	PETRO OFFSHORE DRILLING 0 Engines and genset packages used as main sources of power for drilling duty or for emergency power on offshore oil & gas drill rigs (but not on production rigs, platforms, or facilities). Does not include firepumps or cranes for drilling or production rigs, platforms, or facilities.		NC

RATING STRATEGY

Must select one:

I	HIEFFEN	HIGH EFFICIENCY CONFIGURATION 0 This configuration is optimized for highest efficiency		NC
I	HIRESFN	HIGH RESPONSE CONFIGURATION 0 This configuration provides improved Transient Response and is optimized for High Ambient Temperatures and High Altitude. Refer to GERP and LEXE0814 when choosing between High Ambient Temp/High Altitude configurations.		NC
I	HIRESF2	HIGH ALT/HIGH AMBIENT CONFIG 0 This configuration provides improved Transient Response, and the greatest Altitude and Ambient capability. Refer to GERP and LEXE0814 when choosing between High Response and HIGH ALT/HIGH AMBIENT configurations.		NC

ENGINE RATING AND SPEED

Engine Rating and Speed - Select one of the following ratings.

Provides power settings & name plate for use in specified applications

Special Setting Request

I	PSTSPCL	SPECIAL SETTING REQUEST 0		NC
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50 HZ @ 1500 RPM

I	KVA3125	3125 KVA W/O FAN 0 F/U/W NOPUMPS		NC
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USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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ENGINE RATING AND SPEED (CONT.)

50 HZ @ 1500 RPM (Cont.)

I	KVA3107	3107 KVA W/O FAN 0 F/U/W WITHPMP		NC
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60 HZ @ 1500 RPM W/SPEED INCREASING GEARBOX

I	KWW2483	2483 EKW W/O FAN 0 F/U/W NOPUMPS		NC
I	KWW2469	2469 EKW W/O FAN 0 F/U/W WITH PMP		NC

G3520H Rating Type

Must Select one

Standard Low Emissions

I	EMISS13	STANDARD LOW EMISSIONS - 50 HZ 0 TECHNICAL: Full TA Luft (500 mg/Nm3 NOx), 1.2 g/bhp hr		NC
I	EMISS12	STANDARD EMISSIONS - 60 Hz 0 TECHNICAL: (1.0 g/bhp hr NOx)		NC

Optional Low Emissions

I	EMISS15	OPTIONAL LOW EMISSIONS - 50 HZ 0 TECHNICAL: 1/2 TA Luft (250 mg/Nm3 NOx), 0.6 g/bhp hr		NC
I	EMISS11	OPTIONAL EMISSIONS - 60 Hz 0 TECHNICAL: (0.5 g/bhp hr NOx)		NC

AIR INLET SYSTEM

Must Select One.

I	ACLDE40	AIR CLEANER - ON ENGINE 0 TECHNICAL: Two-element single-stage air-cleaner with enclosure, service indicator mounted on package is standard on this Genset.		\$4,265
I	ACLHD54	AIR CLEANER - OFF ENGINE 0 TECHNICAL: Two-element single-stage air cleaner with enclosure, service indicator (shipped loose) are available as optional on this Genset. Does not include any enclosure mounting brackets or piping from air cleaner to turbo(s).		\$4,555

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CONTROL PANELS

Interconnect Wiring Harnesses

TECHNICAL: From ECM to EMCP 4.3 wall mount remote panel. Connectors for gearbox sensors included with 60 Hz harnesses. Customer can choose from three various lengths below. Choose one:

I	HRNCN05	8 M HARNESS 0 TECHNICAL: Ship loose 8 M (25 foot) interconnect wiring harness from ECM to EMCP 4.3 (70 pin Deutsh ECM connector to 70 Deutsh panel connector). REQUIRES: All HV Packages.		\$980
I	HRNCN01	15 M HARNESS 0 TECHNICAL: Ship loose 15 M (50 foot) interconnect wiring harness from ECM to EMCP 4.3 (70 pin Deutsh ECM connector to 70 pin Deutsh panel connector). REQUIRES: WALL MOUNT EMCP 4.3		\$1,046
I	HRNCN03	23 M HARNESS 0 TECHNICAL: Ship loose 23 M (75 foot) interconnect wiring harness from ECM to EMCP 4.3 (70-pin Deutsh ECM connector to 70 pin Deutsh panel connector). REQUIRES: WALL MOUNT EMCP 4.3.		\$1,046

Annunciator Modules

NOTE: Can order a maximum of three remote annunciators if no local annunciator is ordered. Can order a maximum of two remote annunciators if one local annunciator is ordered. Can order a maximum of one remote annunciator if two local annunciators are ordered.

Local

Must select one local

I	CVR0078	COVERS-NO LOCAL ANNUNC MODULES 0 TECHNICAL: Contains covers needed when annunciator is not ordered		\$108
I	EMGRAM5	PRE-PROGRAMMED. 0 TECHNICAL: Provides 16 point/32 light annunciator, mounted on package with NFPA 99-110/CSA 282 Configuration and label.		\$660
I	EMCCAM6	CUSTOM. 0 TECHNICAL: Provides 16 point/32 light annunciator, mounted on package, with label kit shipped loose for customer installation.		\$528
I	EMGRAM6	1-PRE-PROGRAMMED & 1-CUSTOM 0 TECHNICAL: Provides 16 point/32 light annunciator, mounted on package with NFPA 99-110/CSA 282 Configuration and label, and additional 16 point/32 light annunciator, mounted on package, with label kit shipped loose for customer installation.		\$875
I	EMGRAM7	2-CUSTOM. 0 TECHNICAL: Provides two 16 point/32 light annunciators, mounted on package, with label kit shipped loose for customer installation.		\$935

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CONTROL PANELS (CONT.)

Remote

I	ANNR001	REMOTE NFPA ANNCIATORS 0 TECHNICAL: Provides 16 point/32 light annunciator, shipped loose, with NFPA 99-110/CSA 282 Configuration and label. QTY of 1		\$751
I	ANNR002	REMOTE ANNUNCIATOR X 2 0 TECHNICAL: Provides 16 point/32 light annunciator, shipped loose, with NFPA 99-110/CSA 282 Configuration and label. QTY of 2		\$1,515
I	ANNR003	REMOTE ANNUNCIATOR X 3 0 TECHNICAL: Provides 16 point/32 light annunciator, shipped loose, with NFPA 99-110/CSA 282 Configuration and label. QTY of 3		\$2,273
I	ANNC001	REMOTE NFPA ANNCIATORS 0 TECHNICAL: Provides 16 point/32 light annunciator, shipped loose, with label kit. QTY of 1		\$966
I	ANNC002	CUSTOM NFPA REMOTE ANNUNCTR X2 0 TECHNICAL: Provides 16 point/32 light annunciator, shipped loose, with label kit. QTY of 2		\$1,619
I	ANNC003	CUSTOM NFPA REMOTE ANNUNCTR X3 0 TECHNICAL: Provides 16 point/32 light annunciator, shipped loose, with label kit. QTY of 3		\$2,426

COOLING SYSTEM

ENGINE PUMP SELECTION

Must select one:

I	WITHPMP	WITH ENGINE PUMPS 0 This Engine configuration provides JW and SCAC engine-driven pumps. Includes Aftercooler Group.		NC
I	NOPUMPS	NO ENGINE PUMPS 0 This Engine configuration does not provide JW and SCAC engine-driven pumps. Includes Aftercooler Group.		NC

Cooling Systems Connections

Must select one:

I	CLIOCRH	INLET/OUTLET CONNECTION/JW 0 Right Hand Flange connections for jacket water outlet.		\$960
I	CLIOCLH	INLET/OUTLET CONNECTION/JW 0 Left Hand Flange connections for jacket water outlet.		\$978

2nd STAGE AFTERCooler TEMPERATURE

Refer to GERP and LEXE1247 when choosing SCAC Temperature.
MUST SELECT ONE

Elevated SCAC Temperature

I	SCTMP01	ELEVATED SCAC TEMP 0 This configuration for use in Elevated Humidity Regions Not for use w/ High Efficiency top levels (520GE1Q, 520GE1R, 520GE1U, 520GE1V, 520GE1Y, 520GE1Z, 520GE2A, 520GE2E, 520GE2F, 520GE2G, 520GE3K, 520GE3N)		NC
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USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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COOLING SYSTEM (CONT.)

Standard SCAC Temperature

I	SCTMP02	STANDARD SCAC TEMP 0 This configuration for use in Standard Humidity Regions		NC
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Jacket Water Coolant Heaters

Must select one:

I	NOJWH01	NO JACKET WATER COOLANT HEATER 0 TECHNICAL: If this option is selected, Customer must provide Jacket water heater.		NC
I	JWH0127	JACKET WATER HEATER-220V 50 HZ 0 Engine starting aid for operation down to 0 C (32 F). TECHNICAL: Heater: Single phase 12kW, 220V. Pump: 220 VAC, Single phase, 10GPM, 97W		\$2,981
I	JWH0128	JACKET WATER HEATER-240V 60 HZ 0 Engine starting aid for operation down to 0 C (32 F). TECHNICAL: Heater: Single phase 12kW, 240V. Pump: 240 VAC, Single phase, 10GPM, 97W		\$2,981
I	JWH0178	JACKET WATER HEATER-480V 60 HZ 0 Engine starting aid for operation down to 0 C (32 F). TECHNICAL: Heater: Single phase 12kW, 240V. Pump: 240 VAC, Single phase, 10GPM, 97W		\$3,044

GENERATOR POWER TERMINATION EQUIPMENT

CABLE ENTRY LOCATION (MV)

I	TERBX12	BOX GP-BTM-RH CABLE ENTRY 0 Standard RH-mounted customer connection location. Bottom cable entry.		\$13,092
I	TERBX13	BOX GP-TOP-RH CABLE ENTRY 0 Standard RH-mounted customer connection location. Top cable entry.		\$13,092
I	TERBX14	BOX GP-BTM-LH CABLE ENTRY 0 Standard LH-mounted customer connection location. Bottom cable entry.		\$13,092
I	TERBX15	BOX GP-TOP-LH CABLE ENTRY 0 Standard LH-mounted customer connection location. Top cable entry.		\$13,092

CABLE ENTRY LOCATION (HV)

I	TERBX06	BOX GP-BTM-RH CABLE ENTRY 0 Standard RH-mounted customer connection panel location. Bottom cable entry.		\$11,968
I	TERBX07	BOX GP-TOP-RH CABLE ENTRY 0 Standard RH-mounted customer connection panel location. Top cable entry.		\$11,847
I	TERBX08	BOX GP-BTM-LH CABLE ENTRY 0 Standard LH-mounted customer connection panel location. Bottom cable entry.		\$12,140
I	TERBX09	BOX GP-TOP-LH CABLE ENTRY 0 Standard LH-mounted customer connection panel location. Top cable entry.		\$12,018

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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LUBE SYSTEM

Must select one.

Lubricating Oil

I	LUBOILR	LUBRICATING OIL 0 TECHNICAL: Cat NCEO, ULTRA 40 Wt, 541 L (143 gal). ONLY FOR USE WITH: 50Hz		\$3,159
I	LUBOILS	LUBRICATING OIL 0 TECHNICAL: Cat NCEO, ULTRA 40 Wt, 615 L (163 gal). ONLY FOR USE WITH: 60Hz		\$3,592
I	NOLUB01	NO LUBRICATING OIL DESIRED 0 TECHNICAL: Engine shipped dry.		NC

Prelube Pumps

I	ELEPP09	ELECTRIC PRELUBE PUMP AC. 0 TECHNICAL: Requires 115/230 VAC 50/60 Hz power source.		\$3,160
I	ELEPP77	GEARBOX PRELUBE PUMP SYSTEM 0 REQUIRED for all 60 Hz Packages TECHNICAL: Provides required prelubrication to gearbox.		\$3,598
I	NOPLPMP	NO PRELUBE PUMP 0		\$31

CHARGING ALTERNATORS

TECHNICAL: Requires WITHPMP.
Must Select One.

I	ALT2489	CHARGING ALTERNATOR 24V 60 AMP 0		\$2,566
I	NOALT01	CHARGNG ALTERNATOR NOT DESIRED 0		NC

REMOTE MOUNTED GAS TRAIN

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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LUBE SYSTEM (CONT.)

GASTRAIN SELECTION

Remote mounted gas train.
 Intended for use upstream of the engine fuel inlet. Sized for minimum 31.5 MJ/Nm³ (800 btu/cu ft) dry pipeline natural gas with inlet pressure range of 19.2 to 48.3 kPa (2.78 to 7 psi). Requires 24VDC with maximum power of 152VA. Gas train consists of: DN125 (5") flanged inlet and DN100 (4") outlet connections, manual shutoff valve, 1 micron filter at 96% efficiency with differential pressure gauges, pressure regulator, 24VDC ETR (Energized-To-Run) double solenoid shutoff valve with visual position indicators, low pressure, high pressure switch and 600 mm flexible braided hose.

Must select one.

I	GASTRN4	GAS TRAIN (EN 746-2:EUROPE) 0 Manufactured in accordance with EN746-2. Shipped loose.		\$28,736
I	GASTRN3	GAS TRAIN (CSA B149.3,NFPA 37) 0 Manufactured in accordance with CSA B149.3 and NFPA 37, for CANADA/US. Shipped loose.		\$25,311
	GASTRN5	GAS TRAIN (AS3814/AS5601:AUST) 0 Manufactured in accordance with AS3814/AS5601. Shipped loose.		\$30,067

PROTECTION SYSTEM

Crankcase Explosion Relief Valve

Must select one.

I	EXRVL12	EXPLOSION RELIEF VALVE 23 For crankcase protection.		\$2,023
I	NOEXRV1	NO EXPLOSION RELIEF VALVE 0		\$962

Oil Pan Accessories

Must select one.

I	OLVLRG6	OIL LEVEL REGULATOR 0 Maintains safe oil level in pan from customer-provided, gravity-fed oil supply.		\$260
I	NOLVLRG	NO OIL LEVEL REGULATOR DESIRED 0		\$61

BARRING DEVICE

Must select one.

I	BARGP12	RH MOUNTED BARRING GP 0 Installed. Used to manually turn the engine crankshaft.		\$167
I	NOBAR00	NO BARRING GROUP 0		NC

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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LANGUAGE OPTIONS

Control Panels - Language Options

I	LANENGC	ENGLISH LANGUAGE- GENSET CNTL	0	NC
I	LANARAC	ARABIC LANGUAGE-GENSET CNTL	0	NC
I	LANCHIC	CHINESE LANGUAGE-GENSET CNTL	0	NC
I	LANDANC	DANISH LANGUAGE-GENSET CNTL	0	NC
I	LANDUTC	DUTCH LANGUAGE-GENSET CNTL	0	NC
I	LANFINC	FINNISH LANGUAGE-GENSET CNTL	0	NC
I	LANFREC	FRENCH LANGUAGE- GENSET CNTL	0	NC
I	LANGERC	GERMANLANGUAGE-GENSET CNTL	0	NC
I	LANGREC	GREEK LANGUAGE-GENSET CNTL	0	NC
I	LANITAC	ITALIAN LANGUAGE-GENSET CNTL	0	NC
I	LANJAPC	JAPANESE LANGUAGE-GENSET CNTL	0	NC
I	LANPORC	PORTUGUESE LANGAUGE-GENSET CNT	0	NC
I	LANRUSC	RUSSIAN LANGUAGE-GENSET CNTL	0	NC
I	LANSPAC	SPANISH LANGUAGE- GENSET CNTL	0	NC
I	LANSWEC	SWEDISH LANGUAGE-GENSET CNTL	0	NC
I	LANTURC	TURKISH LANGUAGE-GENSET CNTL	0	NC

PACKAGE Language Options

Must Select One.
 Provides nameplate, decals, and operator's manual inspecified language. For other Language Options contact your Marketing Profit center. Additional literature available through Corporate Literature System.

I	LANARAO	LANGUAGE MARKINGS-ARABIC.	0	NC
I	LANCHIO	LANGUAGE MARKINGS-CHINESE.	0	NC
I	LANDUTO	LANGUAGE MARKINGS-DUTCH.	0	NC
I	LANENGO	LANGUAGE MARKINGS-ENGLISH.	0	NC
I	LANFREQ	LANGUAGE MARKINGS-FRENCH.	0	NC
I	LANGERO	LANGUAGE MARKINGS-GERMAN.	0	NC
I	LANPORO	LANGUAGE MARKINGS-PORTUGESE.	0	NC

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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LANGUAGE OPTIONS (CONT.)

PACKAGE Language Options (Cont.)

I	LANRUSO	LANGUAGE MARKINGS-RUSSIA.....	0	NC
I	LANSPAO	LANGUAGE MARKINGS-SPANISH.....	0	NC

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
EXHAUST SYSTEM				
<i>Mufflers</i>				
I	MUF0030	MUFFLER - 404 MM (16 IN) DUAL Shipped loose. TECHNICAL: Industrial Grade 15 dBA Attenuation comes with ANSI style companion flanges.	0	\$5,495
I	MUFIN15	MUFFLER - 20 dbA ATTENUATION Shipped loose. TECHNICAL: Industrial Grade 18 dBA Attenuation comes with ANSI style companion flanges.	0	\$7,325
I	MUFIN16	MUFFLER - 406.4 MM (16 IN) Shipped loose. TECHNICAL: Industrial Grade 25 dBA Attenuation comes with ANSI style companion flanges.	0	\$9,058
I	MUFSA01	16" MUFFLER - SPARK ARRESTING. Shipped loose. TECHNICAL: 406mm (16in.) spark-arresting muffler with straight in and out ends, ANSI style companion flanges, clean out box, and spark box.	0	\$5,038
<i>Elbows</i>				
I	EXCEL08	ELBOW - 305 MM (12 IN) Shipped loose. TECHNICAL: 305mm (12in) turbo outlet size.	0	\$925
I	EXCEL09	ELBOW - 356 MM (14 IN) Shipped loose. TECHNICAL: 356mm (14 in)	0	\$1,130
I	EXCEL13	ELBOW - 406 MM (16 IN) Shipped loose. TECHNICAL: 406mm (16 in)	0	\$1,336
<i>Flanges</i>				
I	EXCFL06	FLANGE - 305 MM (12 IN) Shipped loose. TECHNICAL: 305mm (12M).	0	\$296
I	EXCFL08	14 IN FLANGE KIT Shipped loose. TECHNICAL: 360mm (14in).	0	\$352
I	EXCFL10	FLANGE - 406 MM (16 IN) Shipped loose. TECHNICAL: 410mm flange ID (16in).	0	\$408
I	EXCFE14	FLANGE AND EXHAUST EXPANDER Ship loose. TECHNICAL: 305 to 406 mm (12 to 16 in).	0	\$1,599
<i>Flexible Fittings</i>				
I	EXCFF11	FLEXIBLE FITTINGS. Shipped loose. TECHNICAL: 305mm x 305mm (12in x 12in) long with 12-bolt flanges at both ends.	0	\$806

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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FUEL SYSTEM

GASTRAIN PRESSURE SENSORS

Optional Sensor

I	GSTRPS1	GAS TRAIN PRESSURE SENSORS 0 Provides three 0-100 kPag, 4-20mA pressure sensors installed in the gas train with 1/2" NPT conduit connectors, Two sensors to provide filter differential pressure and a third to provide post regulator engine fuel inlet pressure.		\$2,404
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Knockdown Regulator

Shipped loose.

I	FSREG02	GAS KNOCKDOWN REGULATOR 0 TECHNICAL: Remote knock down regulator for use with Inlet gas pressure range of 276 to 1034 kPa (40 to 150 PSI). Inlet/Outlet: NPS 2"		\$1,265
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Cross-Current Compensation Current Transformers (CCCT), 15 kV Class

One CT installed on Phase B lead in generator terminal box.
ANSI Class: T200, Knee Point: 135 V, Error @ 25 VA: 0.14%.
Used for cross current compensation for parallel operation.

I	CCT1527	CCCT, 200:5 RATIO 0		\$1,745
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Cross-Current Compensation Current Transformers (CCCT), 8.7 kV Class

One CT installed on Phase B lead in generator terminal box.
ANSI Class: T100, Knee Point: 100 V, Error @ 25 VA: 0.18%.
Used for cross current compensation for parallel operation.

I	CCT8717	CCCT, 300:5 RATIO 0		\$1,423
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Cross-Current Compensation Current Transformers (CCCT), 5 kV Class

One CT installed on Phase B lead in generator terminal box.or
ANSI Metering Class at 60Hz: Minimum 0.6 B0.1, 12 B0.2, 2.4 B0.5
Used for cross current compensation for parallel operation.

I	CCT1515	CCCT, 500:5 RATIO 0		\$499
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Current Transformers (CT), 15 kV Class

Shipped loose.
Identical to installed CCCT or DCT having same ratio and voltage class. One transformer shipped loose.
ANSI Class: T200, Knee Point: 135 V, Error @ 25 VA: 0.14 %.

I	CT15017	CURRENT TRANSF., 200:5 RATIO 0 TECHNICAL: FLA 101-150.		\$2,487
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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FUEL SYSTEM (CONT.)

Current Transformers (CT), 8.7 kV Class

Shipped loose.
 Identical to installed CCCT or DCT having same ratio and voltage class. One transformer shipped loose.
 ANSI Class: T100, Knee Point: 100 V, Error @ 25VA: 0.18 %.

I	CT87015	CURRENT TRANSF., 300:5 RATIO	0	\$2,487
		TECHNICAL: FLA 151-200.		

Current Transformers (CT), 5 kV Class

Shipped loose.
 Identical to installed CCCT or DCT having same ratio and voltage class. One transformer shipped loose.
 ANSI Metering Class at 60Hz: Minimum 0.6 B0.1, 12 B0.2, 2.4 B0.5

I	CTD0004	CURRENT TRANSF., 500:5 RATIO	0	\$65
		TECHNICAL: FLA Range 301-400		

Differential Current Transformers (DCT), 15 kV Class

Two sets of three CTs, one of each set installed in generator terminal box and one shipped loose for customer installation.
 ANSI Class: T200, Knee Point: 135 V, Error @25 VA: 0.14%.
 Used for differential protection.

I	DCT1517	DIFF CURR TRANS 200:5 RATIO	0	\$14,008
		TECHNICAL: FLA 101-150.		

Differential Current Transformers (DCT), 5 kV Class

Three sets of two Cts, one of each set installed in generator terminal box and one shipped loose for customer installation.
 ANSI Class: T100, Knee Point: 100 V, Error @25 VA: 0.18%.
 Used for differential protection.

I	DCT8715	DIFF CURR TRANS 300:5 RATIO	0	\$10,339
		TECHNICAL: FLA 151-200.		

Differential Current Transformers (DCT), 5 kV Class

Three sets of two Cts, one of each set installed in generator terminal box and one shipped loose for customer installation.
 ANSI Accuracy Class C50 at 60Hz 0.3 B0.1, 0.3 B0.2
 Used for differential protection.

I	DCT0006	DIFF CURR TRANS, 500:5 RATIO	64	\$1,577
		TECHNICAL: FLA 401-500.		

Generator Temperature Monitoring

I	GENRTDA	GENERATOR MONITORING PACKAGE	0	\$1,245
		TECHNICAL: Provides generator RTD module to supply generator bearing and stator temperature monitoring capability for generators. Parameters are viewable on the EMCP 4.		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GOVERNING SYSTEM

Load Share Module

I	LSMOD11	LOAD SHARING MODULE 0 TECHNICAL: Provides load share module on package, with 10k Ohm speed adjust potentiometer.		\$809
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LUBE SYSTEM

Extended Life Oil Tank

I	LUBTNK1	TANK GP-LUBE 0 TECHNICAL: Ship loose Adds 190 L (50 gal) to oil storage capacity to extend engine oil life.		\$1,806
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MOUNTING SYSTEM

Vibration Isolators (50Hz)

Shipped loose. For stationary applications only.

I	VIBIS84	VIBRATION ISOLATORS 0 Includes 12 spring isolators. For installation under the genset rails. TECHNICAL: Shipped loose, Spring type isolators, isolator seismic rated to 1.5G, 95% isolation efficiency at a disturbing frequency of 17Hz and above.		\$6,532
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Vibration Isolators (60Hz)

Shipped loose. For stationary applications only.

I	VIBIS88	VIBRATION ISOLATORS 0 Includes 14 spring isolators. For installation under the genset rails. TECHNICAL: Shipped loose, Spring type isolators, isolator seismic rated to 1.5G, 95% isolation efficiency at a disturbing frequency of 17Hz and above.		\$7,620
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SPECIAL TESTS/REPORTS

Must be ordered prior to factory start-on-line date
Factory Witness Test - Consult Factory

I	TRSGEN2	PGS TEST REPORT @ 1.0 PF. 0 CANNOT BE USED WITH: PGS test report TRSGEN7.0		\$324 NET
I	TRSGEN7	PGS TEST REPORT @ 0.8 PF. 0 CANNOT BE USED WITH: PGS test report TRSGEN2.		\$324 NET
I	TRSGEN1	GENERATOR TEST REPORT 0		\$324 NET
I	TVATRS1	STANDARD GENSET TVA REPORT 0 Provides Standard Gen Set Torsional Vibration Analysis (TVA) Report for a selected Caterpillar engine and Caterpillar generator combination. Not available for custom generators. For custom generator TVA reports use TVATRS2. See Engine Data Sheet 73.3 for the report number to be requested. Report number should be shown on the order request.		\$382 NET

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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SPECIAL TESTS/REPORTS (CONT.)

I	TVATRS2	GEN SET TORS VIB ANALYSIS 0 NOTE: Consult factory on compound and tandem installations. There may be additional charges for analysis of applications where more than one engine drives a single load. A separate torsional analysis is required for each engine with different driven equipment in multiple engine installations. One complete set of technical data (see below) must be submitted to Caterpillar before calculations are undertaken. The report will include a mathematical determination of the natural frequency, critical speeds, relative amplitudes of angular displacement, approximate nodal locations of the complete elastic system (both engine and driven equipment). NOTE: IF ALL TECHNICAL DATA REQUIRED IS NOT RECEIVED, ANALYSIS MAY BE DELAYED UNTIL THE MISSING INFORMATION IS PROVIDED. TECHNICAL DATA REQUIRED: 1. The operating speed range. 2. Load demand curve on sets which have a load dependent variable rigidity coupling. 3. General arrangement drawing or sketch of complete system, including data on special crankshaft pulleys and equipment driven from front of engine. 4. With driven equipment on both ends of the engine, the horsepower demand of each end is required. In addition, simultaneous front and rear horsepower (maximum engine load) is required. 5. Make, model, WR2 and torsional rigidity on all couplings used between the engine and driven equipment. 6. WR2 of each rotating mass. Weight of each reciprocating mass. (Needed for all pumps, compressors, gears, pinions, propellers.) 7. Torsional rigidity and minimum shaft diameter or detailed dimensions of all shafting in the driven system whether separately mounted or installed in a housing. ADDITIONALLY, if an order has not been placed, the following information must also be submitted: 1. Damper part number (not top level or pricing arrgt.) 2. Flywheel part number (not top level or pricing arrgt.) 3. Horsepower 4. Operating speed 5. Coupling part number; or indicate one or two-bearing	0	\$1,047 NET
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I	TSP0001	FUEL CONSUMPTION TEST 0 Fuel rate and specific fuel consumption determined at 3 points at rated speed. (Full load, three quarters load, and half load.) This 3L-0291 Test must be requested prior to factory build. This is a fuel consumption test and, as such, is not a substitute for and does not provide the kind of performance information provided by TRSENG1. NOTE: Test is run as basic engine before generator is attached. Order can include a generator but generator is not part of unit when engine is tested. See TSP0002.	0	\$1,039 NET
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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SPECIAL TESTS/REPORTS (CONT.)

I	TSP0002	GENSET FUEL CONSUMPTION TEST 0 Testing with Caterpillar generator-mounted switchgear or when no switchgear ordered. Test will be performed in accordance with 3L-0293 (electrical output (kW), current and voltage readings, engine speed, fuel rate, and specific fuel consumption are determined at 3 points at rated speed. (Full load, three quarters load, and half load.) Test must be requested prior to factory build. REQUIRES: Generator.		\$1,039 NET
I	TRSENG1	STD ENGINE TEST CHARGE 0 Test will be performed in accordance with 3L-0436 and must be requested prior to factory build. The test takes about one hour. There is no assurance that the engine will be tested at the rating specified in the order. Test results reported are: Rack setting, full load BHP, turbocharger boost (if applicable), fuel rate at full load, lube oil pressure, RPM at rated speed and high idle.		\$324 NET

SPECIAL PACKING/INSPECTIONS FOR SHIPMENT

Export Boxing

Special Packing

I	SWP0001	SHRINK WRAP PROTECTION 0		\$315 NET
I	EXP0003	PACK FOR AIR FREIGHT 0 Provides labels and documents for air freight.		NC
I	EXP0004	SPEC MARKINGS ON EXPORT BOXING 0 Provides labels and documents for air freight.		\$150 NET

Storage Preservation

I	SRP0039	PRESERVATION - CORROSION INHIB 0 Provides vapor corrosion inhibitor in all internal engine compartments and the cooling system. Protects engine and accessories from functional deterioration for a minimum of one year under inside storage conditions.		\$1,158 NET
I	ROROEX1	ROLL ON ROLL OFF EXPORT PACK 0 Includes wooden skid and tarp. Engine height exceeds typical ISO open and closed top containers. This method is described as "Roll on, roll off" and units are placed in racks. Required for 50Hz Low Voltage CMM and low energy (landfill) products.		\$2,448 NET
I	ROROEX2	ROLL ON ROLL OFF EXPORT PACK 0 Includes wooden skid and tarp. Engine height exceeds typical ISO open and closed top containers. This method is described as "Roll on, roll off" and units are placed in racks. Required for all 50 Hz High Voltage products.		\$2,141

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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SPECIAL PACKING/INSPECTIONS FOR SHIPMENT (CONT.)

Domestic Pack for Export

I	DPX0001	DOMESTIC PACK-EXPORT CONTAINER. 0 ONLY FOR USE WITH: Engines not boxed. NOTE: CONTAINER SHIPMENTS - Charge per container added to inland freight. 40 ft. open top containers -- \$450 NET.		NC
I	DPX0002	DOMESTIC PACK FOR EXPORT 0 Does not include any packing. Only adds markings for export shipment. ONLY FOR USE WITH: Engines or miscellaneous parts and attachments (all models on rails or requiring skids).		NC

STARTING/CHARGING SYSTEM

Battery Charger

Shipped loose.
24-VDC output for use with lead acid or NiCad batteries.
Current limiting ... need for crank disconnect relay. Not warranted or serviced by Caterpillar Inc.

I	BTC20A2	BATTERY CHARGER 20 AMP 0 Includes high voltage, low voltage and AC failure alarm outputs, DC Ameter and Voltmeter, NEMA 1 enclosure. TECHNICAL: For 120/208-240 VAC 50/60Hz Regulated. Meets alarm requirements for NFPA 99 and NFPA 110. UL 1564 and CSA C22.2 No. 107 listed 2-rate charging with automatic switching from equalize to float.		\$1,486
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Battery Sets

Shipped loose.

I	BAT2430	24 VOLT BATTERY SET - DRY 0 CCA rating 2600, 380 ampere hours. Includes 4 batteries. CABLES, RACK TECHNICAL: -30 to -12 C (-22 to 10 F).		\$2,985
I	BAT2436	24 VOLT BATTERY SET - DRY 0 CCA rating 2000, 280 ampere hours. Includes 4 batteries, CABLES, RACK TECHNICAL: -12 to 20 C (10 to 68 F).		\$2,150

GENERAL

Paint

I	SPCNT1	SPECIAL PAINT 0 Colors (other than Caterpillar yellow) or high performance paints.		\$684 NET
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GENERAL (CONT.)

Aid Emblem

I	AIDEMB	US AID EMBLEM 0 Provides emblem to indicate Agency for International Development (AID) financing is involved. AID provides economic assistance to advance U.S. economic and political interests in countries located in Africa, Asia, Latin America, Central and Eastern Europe, and the New Independent States of the former Soviet Union. Only available for U.S. built products. Provides one emblem on each side of engine.		NC
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SVCE TOOLS/SHIP PROT/FACTORY SUPPORT

Commissioning

I	FACCOM1	FACTORY COMMISSIONING 0 Commissioning will be invoiced at \$1,400 per day, plus expenses, to the selling dealer. This Net charge will be deducted from the total cost of the commissioning.		\$7,575 NET
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LITERATURE

Extra Literature - English and Other Languages

Shipped loose.
Includes Operation and Maintenance Instruction Book, Parts Book (provided in CD for English language only) and other misc. forms.
This literature is in addition to the one group shipped free of charge with each engine.

I	LITDANE	EXTRA LITERATURE - DANISH 0		\$132 NET
I	LITDUTE	EXTRA LITERATURE - DUTCH 0		\$132 NET
I	LITENGE	EXTRA LITERATURE - ENGLISH 0 TECHNICAL: For paper copy of Parts Book, reference LITPAPR.		\$132 NET
I	LITFREE	EXTRA LITERATURE - FRENCH 0		\$132 NET
I	LITGERE	EXTRA LITERATURE - GERMAN 0		\$132 NET
I	LITITAE	EXTRA LITERATURE - ITALIAN 0		\$132 NET
I	LITSPA	EXTRA LITERATURE - SPANISH 0		\$132 NET
I	LITPORE	EXTRA LITERATURE - PORTUGUESE 0		\$132 NET
I	LITRUSE	EXTRA LITERATURE - RUSSIAN 0		\$132 NET

Optional Literature - English Language

I	LITPAPR	PAPER PARTS BOOK-ENGLISH 0 This literature is in addition to the two parts book provided on CD that is shipped free of charge with each engine.		\$163 NET
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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EXTENDED SERVICE COVERAGE

ESC (Extended Service Coverage)

New procedures must be followed to purchase ESC with the gen sets offered in this price list. The new procedures are:

Complete the ESC Special Quote Request Form found at dealer.cat.com/EPESC. Please submit the completed form to engineesc@cat.com.

Contact engineesc@cat.com if you have any questions.