

GAS PKG. GEN SET (I)
 GRIFFIN, GEORGIA

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 PSQ AND ISA QUOTING TOOLS.

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 individual Cat dealers please use Engine Order Management Process (EOMP) quoting and order tools like ISA or PSQ. For questions or

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DEALER SPECIFIC PRICING TERMS (CONT.)

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>. 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. 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.

AIR INLET SYSTEM

Air cleaner, single element canister type with service indicator.

CHARGING SYSTEM

45 amp charging alternator
24 volt starting motor
Battery with rack and cables
Battery disconnect switch

CONTROL SYSTEM

Governor, Woodward, Flo-tech 68

CONTROL PANELS

EMCP 4.2 controls including:

- Run / Auto / Stop Control
- Speed Adjust
- Voltage Adjust
- Engine Cycle Crank
- Emergency stop pushbutton

EMCP 4.2 controller features:

- 24-volt DC operation
- Panel Lights
- Environmental sealed front face
- Dust Proof Enclosure
- Generator Running Relay
- Text alarm/event descriptions
- True RMS AC metering, 3-phase, ±1% accuracy.

Digital indication for:

- RPM
- DC volts
- Operating hours
- Oil pressure (psi, kPa or bar)

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CONTROL PANELS (CONT.)

- Coolant temperature
- Volts (L-L & L-N), frequency (Hz)
- Amps (per phase & average)
- Power Factor (per phase & average)
- kW (per phase, average & percent)
- kVA (per phase, average & percent)
- kVAr (per phase, average & percent)
- kW-hr (total)
- kVAr-hr (total)

Warning/shutdown with common LED indication of shutdowns for:

- Low oil pressure
- High coolant temperature
- Overspeed
- Emergency stop
- Failure to start (overcrank)
- Low coolant temperature
- Low coolant level

Programmable protective relaying functions:

- Generator phase sequence
- Over/Under voltage (27/59)
- Over/Under Frequency (81 o/u)
- Reverse Power (kW) (32)
- Reverse Reactive Power (kVAr) (32RV)
- Overcurrent (50/51)

Communications

- Customer data link (Modbus RTU)
- Accessory module data link
- Serial annunciator module data link
- 6 programmable digital inputs
- 4 programmable relay outputs (Form A)
- 2 programmable relay outputs (Form C)
- 2 programmable digital outputs

Compatible with the following optional modules:

- Digital I/O module
- Local Annunciator
- Remote CAN annunciator
- Remote serial annunciator
- RTD module
- Thermocouple module

COOLING SYSTEM

Coolant drain lines with valves;
 piped to edge of base
 Fan and belt guards
 Caterpillar Coolant
 (not included w/radiator removal)
 Low coolant level sensor
 (not included w/radiator removal)
 TECHNICAL: Please consult TMI for package ambient capability.

EXHAUST SYSTEM

Stainless steel exhaust flex (comes with two
 ship-loose weld flanges to be welded to flex tube)

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FUEL SYSTEM

Gas pressure regulator
 Low pressure fuel system
 (1.5-5.0 psi / 10.3-34.5 kPa).
 Energize to run (ETR) gas shutoff valve (GSOV)
 Fuel filter is required but not provided as standard: customer may
 provide or see Optional Fuel Filters.
 Fuel system is sized for 31.5 to 47.2 MJ/Nm³ (800 to 1200 btu/scf).

GENERATORS AND GENERATOR ATTACHMENTS

SR4B generator - Self Excited
 Class H insulation, Class F temperature rise
 (105 C Continuous/ 130 C Standby)
 12 Lead (600 volt Generators are 6 lead)
 VR6 Voltage Regulator; 3-phase sensing with
 reactive droop
 2:1 Volts/Hz or 1:1 Volts/Hz
 Bus bar termination
 Extension box
 Segregated low voltage (AC/DC) wiring panel
 Random wound

GOVERNING SYSTEM

Flo-Tech speed control and ITB (integrated
 throttle body and actuator)

IGNITION SYSTEM

Digital Ignition System

LUBE SYSTEM

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

MOUNTING SYSTEM

Narrow formed steel base
 Linear vibration isolators between base and engine-generator

STARTING/CHARGING SYSTEM

45 amp charging alternator
 24 volt starting motor
 Batteries w/racks and cables
 Battery disconnect switch

GENERAL

Paint, Caterpillar yellow
 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 certi-
 fied 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.
 Note: Torsional analysis is recommended if other than a
 Caterpillar generator is used.

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MANDATORY OPTIONS

Application Indicators
Display Units
Language Options
Voltage Indicators

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Freq.	Volt	RATING				Feature Code	Engine	Governor	Gen
		STANDBY		CONT.					
		kVA	kW	kVA	kW				
60	600	306	240	238	190	406GE37	G3406TA	Flo-Tech	447
60	480	188	150	188	150	406GE38	G3406NA	Flo-Tech	447
60	480	306	240	238	190	406GE39	G3406TA	Flo-Tech	447

Freq.	Volt	RATING				Feature Code	Engine	Governor	Gen
		STANDBY		CONT.					
		kVA	kW	kVA	kW				
50	415	---	---	200	160	406GE40	G3406TA	Flo-Tech	447
50	400	---	---	156	125	406GE41	G3406NA	Flo-Tech	447
50	400	---	---	200	160	406GE42	G3406TA	Flo-Tech	447
50	380	---	---	200	160	406GE43	G3406TA	Flo-Tech	447
50	220	---	---	156	125		CONSULT FACTORY		
50	220	---	---	200	160		CONSULT FACTORY		

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Ratings shown are WITH fan unless otherwise specified.

415/240 VOLTS, 50 HERTZ, 1500 RPM, 3 PHASE, CONTINUOUS.

I	406GE40	G3406 TA 50 HZ PG.S 9,500 Continuous= 200 kVA Engine= G3406, Governor= Flo-Tech, Aspiration= TA Compression Ratio= 10.3 Cooling System= JW, SCAC, 54C; Radiator= 15 CVS TECHNICAL: Please consult TMI for package ambient capability. Generator Argt= 193-8725, Frame= 447, No. of Bearings= 1 Generator Winding= RW, No. of leads= 12, Pitch= 0.75 Gen Temp. Rise: Continuous= 105 C	\$96,748
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400/230 VOLTS, 50 HERTZ, 1500 RPM, 3 PHASE, SELF-EXCITED, CONTINUOUS

I	406GE41	G3406 NA 50 HZ PG.S 9,000 Continuous= 156 kVA Engine= G3406, Governor= Flo-Tech, Aspiration= NA Compression Ratio= 10.3 Cooling System= JW, Radiator= 15 sq ft TECHNICAL: Please consult TMI for package ambient capability. Generator Argt= 193-8725, Frame= 447, No. of Bearings= 1 Generator Winding= RW, No. of leads= 12, Pitch= 0.75 Gen Temp. Rise: Continuous= 105 C	\$84,420
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I	406GE42	G3406 TA 50 HZ PG.S 9,500 Continuous= 200 kVA Engine= G3406, Governor= Flo-Tech, Aspiration= TA Compression Ratio= 10.3 Cooling System= JW, SCAC, 54C; Radiator= 15 CVS TECHNICAL: Please consult TMI for package ambient capability. Generator Argt= 193-8725, Frame= 447, No. of Bearings= 1 Generator Winding= RW, No. of leads= 12, Pitch= 0.75 Gen Temp. Rise: Continuous= 105 C	\$96,748
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380/220 VOLTS, 50 HERTZ, 1500 RPM, 3 PHASE, SELF-EXCITED, CONTINUOUS

I	406GE43	G3406 TA 50 HZ PG.S 9,500 Continuous= 200 kVA Engine= G3406, Governor= Flo-Tech, Aspiration= TA Compression Ratio= 10.3 Cooling System= JW, SCAC, 54C; Radiator= 15 CVS TECHNICAL: Please consult TMI for package ambient capability. Generator Argt= 193-8725, Frame= 447, No. of Bearings= 1 Generator Winding= RW, No. of leads= 12, Pitch= 0.75 Gen Temp. Rise: Continuous= 105 C	\$96,748
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**220/129 VOLTS, 50 HERTZ, 1500 RPM, 3 PHASE, CONTINUOUS
CONSULT FACTORY**

**600 VOLTS, 60 HERTZ, 1800 RPM, 3 PHASE, SELF-EXCITED, STANDBY
and CONTINUOUS**

I	406GE37	G3406 TA 60 HZ PG.S 9,500 Standby= 240 kW Continuous= 190 kW Engine= G3406, Governor= Flo-Tech, Aspiration= TA Compression Ratio= 10.3 Cooling System= JW, SCAC, 54C; Radiator= 15 CVS TECHNICAL: Please consult TMI for package ambient capability. Generator Argt= 193-8724, Frame= 447, No. of Bearings= 1 Generator Winding= RW, No. of leads= 6, Pitch= 0.75 Gen Temp. Rise: Standby= 130 C & Continuous= 105 C	\$96,748
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480/277 VOLTS, 60 HERTZ, 1800 RPM, 3 PHASE, SELF-EXCITED, STANDBY and CONTINUOUS

I	406GE38	G3406 NA 60 HZ PG.S 9,000 Standby= 150 kW Continuous= 150 kW Engine= G3406, Governor= Flo-Tech, Aspiration= NA Compression Ratio= 10.3 Cooling System= JW, Radiator= 15 sq ft TECHNICAL: Please consult TMI for package ambient capability. Generator Argt= 193-8725, Frame= 447, No. of Bearings= 1 Generator Winding= RW, No. of leads= 12, Pitch= 0.75 Gen Temp. Rise: Standby= 130 C & Continuous= 105 C	\$84,420
I	406GE39	G3406 TA 60 HZ PG.S 9,500 Standby= 240 kW Continuous= 190 kW Engine= G3406, Governor= Flo-Tech, Aspiration= TA Compression Ratio= 10.3 Cooling System= JW, SCAC, 54C; Radiator= 15 CVS TECHNICAL: Please consult TMI for package ambient capability. Generator Argt= 193-8725, Frame= 447, No. of Bearings= 1 Generator Winding= RW, No. of leads= 12, Pitch= 0.75 Gen Temp. Rise: Standby= 130 C & Continuous= 105 C	\$96,748

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GRID CODE COMPLIANCE

I	GDCDNRE	GRID CODE COMPLIANCE NOT REQ 0 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, and you anticipate quoting Electric Power Gas genset products from the price list of a US source facility, please contact the ASC for assistance. Cat gas genset products are not guaranteed compliant with any specific country's grid code requirements. By working with the ASC, we can evaluate the project requirements and quote products that will meet specific electrical network codes.		NC
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VOLTAGE INDICATORS

Voltage Indicators

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	50H0415	415V, WYE CONNECTION, 50HZ 0 TECHNICAL: Wye connection.		NC
I	50H0400	400V, WYE CONNECTION, 50HZ 0 TECHNICAL: Wye connection.		NC
I	50H0380	380V, Wye Connection, 50Hz 0 TECHNICAL: Wye connection.		NC

60 Hertz Voltage Indicators

I	60H0600	VOLTAGE INDICATOR 600V 0 TECHNICAL: Wye connection.		NC
I	60H0480	480V, Wye Connection, 60Hz 0 TECHNICAL: Wye connection.		NC

APPLICATION INDICATORS

Application Indicators

One of the following Application Indicators must be selected for each PGS pricing arrangement ordered. Provides power setting and name plate for use in specified applications.

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

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APPLICATION INDICATORS (CONT.)

Market Segmentation

Select one of the following to define expected end use.

I	MSEPGGS	END USE: GENERAL EPG GAS 0 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.	0	NC
I	MSPMDXQ	END USE: RENTAL EPG 0 All Power Modules and Rental units, utilized in energy utilities, communications, commercial and residential buildings, agricultural, construction, mining, manufacturing, public and civil services. This category should not be used for Petroleum, Locomotive, or Marine electric power applications. Please ensure the selected unit complies with regional emission standards.	0	NC
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.	0	NC
I	MSPETPG	PETRO LAND PROD/PUMPING 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.	0	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.	0	NC

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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DISPLAY UNITS

Display Units

Select one of the following
Provides control panel and instrumentation displays in specified units.

I	EMCENGU	ENGLISH DISPLAY UNITS	0	NC
I	EMCMETU	METRIC DISPLAY UNITS	0	NC

ENGINE RATING AND SPEED

Engine Rating and Speed

Select one of the following ratings

I	PSTSPCL	SPECIAL SETTING REQUEST	0	NC
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50 Hertz

I	KV00200	200 KVA W/FAN	0	NC
		ONLY FOR USE WITH: Continuous		
I	KV00156	156 KVA W/FAN	0	NC
		ONLY FOR USE WITH: Continuous		

60 Hertz

I	KW00240	240 EKW W/FAN	0	NC
		ONLY FOR USE WITH: Standby		
I	KW00190	190 EKW W/FAN	0	NC
		ONLY FOR USE WITH: Continuous		
I	KW00150	60 Hz, 150 kW	0	NC
		ONLY FOR USE WITH: Standby or Continuous		

MANDATORY ATTACHMENTS

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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EUROPEAN CERTIFICATIONS

European Union Certifications

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.		\$263 NET
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NOTE: Not for use with Hazardous Location engines. Cannot Be Used With: Battery Chargers BTC0505, BTC1036

I	NOEUCRT	EC CERTIFICATION NOT REQUIRED 0 TECHNICAL: If full CE certification (Declaration of Conformity, complete gensets) or Declaration of Incorporation (partially completed gensets) is not selected then this product cannot be legally placed on the market in the EU/EEA or any country where the product would otherwise be subject to national legislation implementing the requirements of the machinery directive (2006/42/EC) (collectively "the Region"). If shipped to an address in the Region without the necessary certification/ documentation, the buyer has undertaken that the product will then be exported from the Region.		NC
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LANGUAGE OPTIONS

Language Options - select ONE

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

I	LANENGO	LANGUAGE MARKINGS-ENGLISH 0		NC
I	LANFREQ	LANGUAGE MARKINGS-FRENCH 0		NC
I	LANPORO	LANGUAGE MARKINGS-PORTUGUESE 0		NC
I	LANSPAO	LANGUAGE MARKINGS-SPANISH 0		NC

Controller Language Options - select ONE

Provides additional language for genset controller.

I	LANENGC	ADDL LANGUAGE-ENGLISH 0		NC
I	LANFREC	ADDL LANGUAGE-FRENCH 0		NC
I	LANPORC	PORTUGUESE CONTROLLER LANGUAGE 0		NC

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

Controller Language Options - select ONE (Cont.)

I	LANSPAC	SPANISH CONTROLLER LANGUAGE	0	NC
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LUBE SYSTEM

Lubricating Oil

I	LUBOIL8	LUBRICATING OIL ULTRA TECHNICAL: Cat NGE0, 40 Wt, 80 L (21.1 gal).	0	\$453
I	NOLUB01	NO LUBRICATING OIL DESIRED TECHNICAL: Engine shipped dry.	0	NC

MANDATORY OPTIONS

NSPS Emission Rule

US EPA SI (Spark Ignited) Stationary NSPS (New Source Performance Standard) Regulations:

Effective July 2007, the US EPA will enforce the new Spark Ignited New Source Performance Standard (SI NSPS) for gas stationary engines operating in the United States equal to or above 500 bhp. Effective January 1 2008, this standard will apply to all gas engines rated below 500 bhp. This rule will affect all continuous applications including landfill and ag biogas. Effective January 1 2009, this rule will apply to all Standby units. For more information, see Cat Power Net website: Product News dated April 2007, Media Number LEXE7149.

I	NSPSNUS	NON-U.S. GENSET CONTACT CUSTOM PRODUCTS FOR AVAILABILITY. Application--gas generator sets used outside of the United States of America. The SI NSPS rule does not apply.	0	NC
I	NONNSPS	NSPS NON-COMPLIANT ENG Application--gas generator sets to be used in continuous power applications in the United States (all gasses including digester, landfill and ag bio-gas).	0	NC

Even after extensive modifications these gensets are not expected to meet the SI NSPS customer-conducted field emissions test. Examples are the G3300 and G3400 ratings. Nearly all these rich burn ratings have 2 to 4% excess oxygen in the exhaust. To use a 3-way catalyst, the excess oxygen must be near 0%, or ratings must be labeled as "Cat" or "catalyst" ratings. The G3500 LE products have a nominal 2 g/bhp-hr Nox setting. NSPS requires a not-to-exceed 2 g/bhp-hr limit. Possible lower Nox settings are available for G3500 LE products through an SRR (Special Rating Request).

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EXTENDED SERVICE COVERAGE

Cat Branded Commercial Power Systems

Customer must select one of the following Extended Service Coverage options for Cat branded commercial power systems. If no ESC is desired, select feature code for NO ESC.

For coverage details, including covered components and exclusions, see applicable contract (<https://Dealer.cat.com/ESC>). All options included here are \$0 deductible.

I	ECP2CQ1	PLATINUM COVERAGE 0 Prime/Continuous: 24 months, 1,500 hours, \$0 deductible		\$1,310 NET
I	ECQ2CQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 24 months, 1,500 hours, \$0 deductible		\$1,500 NET
I	ECP2MQ1	PLATINUM COVERAGE 0 Prime/Continuous: 24 months, 5,000 hours, \$0 deductible		\$3,680 NET
I	ECQ2MQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 24 months, 5,000 hours, \$0 deductible		\$4,200 NET
I	ECP2RQ1	PLATINUM COVERAGE 0 Prime/Continuous: 24 months, 10,000 hours, \$0 deductible		\$5,990 NET
I	ECQ2RQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 24 months, 10,000 hours, \$0 deductible		\$6,850 NET
I	ECP3EQ1	PLATINUM COVERAGE 0 Prime/Continuous: 36 months, 2,000 hours, \$0 deductible		\$2,450 NET
I	ECQ3EQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 36 months, 2,000 hours, \$0 deductible		\$2,800 NET
I	ECP3MQ1	PLATINUM COVERAGE 0 Prime/Continuous: 36 months, 5,000 hours, \$0 deductible		\$5,080 NET
I	ECQ3MQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 36 months, 5,000 hours, \$0 deductible		\$5,810 NET
I	ECP3RQ1	PLATINUM COVERAGE 0 Prime/Continuous: 36 months, 10,000 hours, \$0 deductible		\$7,930 NET
I	ECQ3RQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 36 months, 10,000 hours, \$0 deductible		\$9,070 NET
I	ECP4GQ1	PLATINUM COVERAGE 0 Prime/Continuous: 48 months, 2,500 hours, \$0 deductible		\$3,640 NET
I	ECQ4GQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 48 months, 2,500 hours, \$0 deductible		\$4,150 NET
I	ECP4MQ1	PLATINUM COVERAGE 0 Prime/Continuous: 48 months, 5,000 hours, \$0 deductible		\$6,160 NET
I	ECQ4MQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 48 months, 5,000 hours, \$0 deductible		\$7,040 NET
I	ECP4RQ1	PLATINUM COVERAGE 0 Prime/Continuous: 48 months, 10,000 hours, \$0 deductible		\$9,440 NET
I	ECQ4RQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 48 months, 10,000 hours, \$0 deductible		\$10,780 NET
I	ECP5HQ1	PLATINUM COVERAGE 0 Prime/Continuous: 60 months, 3,000 hours, \$0 deductible		\$4,940 NET
I	ECQ5HQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 60 months, 3,000 hours, \$0 deductible		\$5,640 NET
I	ECP5MQ1	PLATINUM COVERAGE 0 Prime/Continuous: 60 months, 5,000 hours, \$0 deductible		\$7,180 NET
I	ECQ5MQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 60 months, 5,000 hours, \$0 deductible		\$8,200 NET
I	ECP5RQ1	PLATINUM COVERAGE 0 Prime/Continuous: 60 months, 10,000 hours, \$0 deductible		\$10,880 NET

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
EXTENDED SERVICE COVERAGE (CONT.)				
<i>Cat Branded Commercial Power Systems (Cont.)</i>				
I	ECQ5RQ1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 60 months, 10,000 hours, \$0 deductible		\$12,440 NET
I	ECS3CT1	SILVER COVERAGE 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$340 NET
I	ECG3CT1	GOLD COVERAGE 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$510 NET
I	ECP3CT1	PLATINUM COVERAGE 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$590 NET
I	ECQ3CT1	PLATINUM PLUS COVERAGE 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$680 NET
I	ECS4ET1	SILVER COVERAGE 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$610 NET
I	ECG4ET1	GOLD COVERAGE 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$920 NET
I	ECP4ET1	PLATINUM COVERAGE 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$1,070 NET
I	ECQ4ET1	PLATINUM PLUS COVERAGE 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$1,230 NET
I	ECS5GT1	SILVER COVERAGE 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$970 NET
I	ECG5GT1	GOLD COVERAGE 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$1,460 NET
I	ECP5GT1	PLATINUM COVERAGE 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$1,710 NET
I	ECQ5GT1	PLATINUM PLUS COVERAGE 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$1,950 NET
I	ECS0MT1	SILVER COVERAGE 0 Standby: 120 months, 5,000 hours, \$0 deductible		\$4,170 NET
I	ECG0MT1	GOLD COVERAGE 0 Standby: 120 months, 5,000 hours, \$0 deductible		\$6,250 NET
I	ECP0MT1	PLATINUM COVERAGE 0 Standby: 120 months, 5,000 hours, \$0 deductible		\$7,290 NET
I	ECQ0MT1	PLATINUM PLUS COVERAGE 0 Standby: 120 months, 5,000 hours, \$0 deductible		\$8,330 NET

No ESC

I	ESCNONE	NO EXTENDED SERVICE COVERAGE 0		NC
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CIRCUIT BREAKERS

Package Genset Full Load Amps

Full Load Amps at indicated L-to-N/L-to-L Voltage and 0.8 pf

Circuit Breaker
Full Load Amps

		---PGS---	
Freq	Volts	156	200

50	415/240	217	279
50	400/230	225	289
50	380/220	237	304
50	220/127	410	525

		-----PGS-----		
Freq	Volts	150	190	240

60	600	181	229	289
60	480/277	226	286	361
60	440/254	246	312	394
60	240/139	452	572	723
60	220/127	493	624	788
60	208/120	521	660	834

Recommended Circuit Breaker Sizing - Package Mounted

Circuit Breaker size (in Amps) at indicated L-to-L/L-to-N Voltage and 0.8 pf

Breaker Sizing (Package Mounted)

		---PGS---	
Freq	Volts	156	200

50	415/240	250	350
50	400/230	250	350
50	380/220	300	350
50	220/127	500	600

		-----PGS-----		
Freq	Volts	150	190	240

60	600	250	300	350
60	480/277	300	350	500
60	440/254	300	350	500
60	240/139	600	700	800
60	220/127	600	700	1000
60	208/120	600	800	1000

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CIRCUIT BREAKERS (CONT.)

Circuit Breaker (CB) Orientation

Up to 3 CB's (1 through 3), can be accommodated;
NA with Power Terminal Strip

I	PTSREM1	POWER TERMINAL STRIP REMOVAL 0 TECHNICAL: Removes generator bus bars. REQUIRES: Package mounted circuit breaker CANNOT BE USED WITH: Floor standing breaker.		\$-230
I	CBRR000	CIRCUIT BREAKER MOUNTING-REAR 0 TECHNICAL: Provides rear mounting of first circuit breaker REQUIRES: Package mounted circuit breaker, Rear mounted control panel and PTS removal PTSREM1.		NC
I	CBRH002	CIRCUIT BREAKER MOUNTING-RH 0 TECHNICAL: Provides right hand mounting for first circuit breaker. REQUIRES: Package mounted circuit breaker, right hand mounted control panel, and PTS removal PTSREM1.		NC
I	CBLH002	CIRCUIT BREAKER MOUNTING-LH 0 TECHNICAL: Provides left hand mounting for first circuit breaker. REQUIRES: Package mounted circuit breaker, left hand mounted control panel, and PTS removal PTSREM1.		NC
I	CBRH003	CIRCUIT BREAKER MOUNTING-RH 0 TECHNICAL: Provides right hand mounting for second circuit breaker. REQUIRES: Package mounted circuit breaker and rear or left hand control panel and PTS removal. CANNOT BE USED WITH: C/B Mounting CBRH002.		\$723
I	CBLH003	CIRCUIT BREAKER MOUNTING-LH 0 TECHNICAL: Provides left hand mounting for second circuit breaker. REQUIRES: Package mounted circuit breaker and rear or right hand mounted control panel. CANNOT BE USED WITH: C/B Mounting CBLH002.		\$966

3 Pole (UL-80% Rated) Circuit Breakers with Shunt Trip

Package Mounted
May order up to three circuit breakers total
See table for sizing

First Circuit Breaker (CB1)

Must be the largest breaker when multiple breakers are ordered.

I	CBK0148	CIRCUIT BREAKER - 225 AMP 0		\$1,365
I	CBK0149	CIRCUIT BREAKER - 250 AMP 0		\$1,475
I	CBK0150	CIRCUIT BREAKER - 300 AMP 0		\$1,475
I	CBK0151	CIRCUIT BREAKER - 350 AMP 0		\$1,475
I	CBK0152	CIRCUIT BREAKER - 400 AMP 0		\$1,966
I	CBK0153	CIRCUIT BREAKER - 450 AMP 0		\$2,826
I	CBK0090	CIRCUIT BREAKER - 500 AMP 0		\$2,826

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CIRCUIT BREAKERS (CONT.)

First Circuit Breaker (CB1) (Cont.)

I	CBK0091	CIRCUIT BREAKER - 600 AMP	0	\$2,826
I	CBK0048	CIRCUIT BREAKER - 800 AMP	0	\$3,047
I	CBK0049	CIRCUIT BREAKER - 1000 AMP	0	\$3,558
I	CBK0050	CIRCUIT BREAKER - 1200 AMP	0	\$3,723

Second Circuit Breaker (CB2)

Choose one of these feature codes if you require a second circuit breaker mounted on the package. Breaker must be less than or equal to the size of the first circuit breaker, if choosing two breakers. If choosing three circuit breakers, the second breaker (CB2) must be 600 Amps or less.

I	CBK0054	CIRCUIT BREAKER - 150 AMP	0	\$2,681
I	CBK0055	CIRCUIT BREAKER - 175 AMP	0	\$2,703
I	CBK0056	CIRCUIT BREAKER - 200 AMP	0	\$2,703
I	CBK0057	CIRCUIT BREAKER - 225 AMP	0	\$2,703
I	CBK0059	CIRCUIT BREAKER - 300 AMP	0	\$2,926
I	CBK0061	CIRCUIT BREAKER - 400 AMP	0	\$2,926

Circuit Breaker Auxiliary Contacts - First Breaker

For use with first circuit breaker (CB1).

I	CBS3P01	CIRCUIT BREAKER AUX. CONTACT REQUIRES: 3 pole, UL circuit breaker rated 100 to 600 amps.	0	\$310
I	CBS3P02	CIRCUIT BREAKER AUX. CONTACT REQUIRES: 3 pole, UL circuit breaker rated 700 to 1000 amps.	0	\$310

Circuit Breaker Auxiliary Contacts - Second Breaker

For use with second circuit breaker (CB2)

I	CBS3P04	CIRCUIT BREAKER AUX. CONTACT REQUIRES: 3 pole, UL circuit breaker rated 100 to 600 amps.	0	\$310
I	CBS3P05	CIRCUIT BREAKER AUX. CONTACT REQUIRES: 3 pole, UL circuit breaker rated 700 to 1000 amps.	0	\$310

CONTROL PANELS

Control Panel Mounting

I	EMCCPRH	CONTROL PANEL MOUNTING - RH REQUIRES: PTSRH01 or CBRH002	0	NC
I	EMCCPLH	CONTROL PANEL MOUNTING - LH REQUIRES: PTSLH01 or CBLH002	0	NC

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

Control Panel Options

I	EMCCAS1	COMMON ALARM/SHUTDOWN RELAY	0	\$155
I	CNTCT08	CONTACTOR-AC TECHNICAL: Provides AC contactor for disconnecting space heaters, battery charger or jacket water heater when engine is running. REQUIRES: Space heater, battery charger, jacket water heater or premium generator option.	0	\$146

Annunciator Modules

I	EMCLAM1	NFPA 99/110 LOCAL ANNUNCIATOR 110/CSA 282 Local Annunciator installed. TECHNICAL: Labeled for NFPA99-110/CAS 282.	0	\$872
I	EMCLAM4	CUSTOM 16-LIGHT LOCAL ANNUNCIATOR TECHNICAL: Provides installed 16-point (32 light) annunciator module with NO LABEL. Label kit is shipped loose.	0	\$750
I	EMCLAM5	2ND CUSTOM 16-LIGHT ANNUNCIATOR TECHNICAL: Provides installed 16-point (32 light) annunciator module with NO LABEL. Label kit is shipped loose.	0	\$643

Remote Annunciator Modules

1	ANNUNSL	REMOTE ANNUNCIATOR TECHNICAL: Provides, 16 point/32 light annunciator or module shipped loose with NFPA 99-110/CAS 282 label.	0	\$872
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Customer Interface Options

I	EMCSDP2	DISCRETE I/O MODULE Installed. TECHNICAL: Provides 12 digital inputs and 8 'FORM C' relay (shipped loose) outputs. Not programmed.	0	\$567
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COOLING SYSTEM

Radiator Removals

I	RADRM31	RADIATOR REMOVAL REQUIRES: 60 Hz 3406NA Engine @ 150 kW (PGS 150) or 50 Hz 3406NA Engine @ 156 kVA (PGS 150).	0	\$-7,869
I	RADRM32	RADIATOR REMOVAL REQUIRES: 50 Hz 3406TA Engine @ 200 kVA (PGS 200). 60 Hz 3406TA Engine @ 240 kW (PGS 240).	0	\$-9,544

Jacket Water Coolant Heater

I	COLHTR4	JACKET WATER HEATER TECHNICAL: 3 kW - 240 vac. Includes shutoff valves and fixed thermostat. Components of the heater are UL recognized. REQUIRES: Contactor - AC CNTCT01.	0	\$1,199
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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COOLING SYSTEM (CONT.)

Aftercooler Cores

I	CSCRA01	CORROSION RESIST. AFTERCOOLER 0 TECHNICAL: Replaces standard aftercooler cores with cores made from stainless steel. Engine performance is unchanged with these stainless steel cores. ONLY FOR USE WITH: Pipeline natural gas having trace amounts of H2S up to 20 ppm. CANNOT BE USED WITH: 406GE21,406GE33.		\$1,597
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EXHAUST SYSTEM

Elbow

Shipped loose. Weldable 90 degree bend.

I	EXCEL04	ELBOW 0 TECHNICAL: 127 mm (5 in.) standard schedule short radius elbow. ONLY FOR USE WITH: Flange EXCFL03 and customer supplied 127 mm (5 in.) pipe.		\$207
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Flanges

Shipped loose. Weldable.

I	EXCFL03	FLANGE 0 TECHNICAL: 127 mm (5 in). 4-bolt square flange with hardware and gasket to bolt to engine. To be welded to customer supplied 127 mm (5 in) pipe.		\$100
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Flex & Weld Flange Removal

I	EXHREM1	FLEX/FLANGE REMOVAL 0		\$-184
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Rain cap

Shipped loose.

I	RCP0501	RAIN CAP 0 TECHNICAL: 127 mm (5 in.) - sets on 127 mm (5 in.) TUBE. Does not fit 127 mm (5 in.) pipe.		\$29
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Muffler

Shipped loose.

I	MUF0005	MUFFLER 0 Includes 2 weld flanges, fasteners, & gaskets. TECHNICAL: 15 dBA typical sound attenuation. Includes mating flanges for welding to 127 mm (5 in.) pipe.		\$904
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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FUEL SYSTEM

Fuel System

Fuel system components are sized to supply fuel to a single generator set. Use of single system components for multiple units may result in inadequate fuel flow. For design and sizing guidelines refer to Gaseous Fuel Systems A&I Guide.

I	FULFL12	FUEL FILTER 0 Remote mounted gas filter for use upstream of engine fuel inlet. Filter selected to provide no greater than 2 kPa (0.3 psi) initial pressure differential with new filter element for 10.3 kPa (1.5 psi) or greater gas supply at rated flow. Maximum working pressure of 450 kPa (65 psi). Comes with one element designed to filter 1 micron particle size. 2" NPT filter inlet/outlet connections. Manufactured in accordance with European Pressure Equipment Directive (PED). Shipped loose. ONLY FOR USE WITH: Dry pipeline natural gas.	0	\$1,872
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GENERATORS AND GENERATOR ATTACHMENTS

***** *All OPTIONAL GENERATORS require a generator removal.* *****

OPTIONAL GENERATORS COMPATIBILITY TABLES

VOLTAGE KEY:

- * = 600
- ** = 480/277, 440/254
- *** = 240/139, 220/127
- **** = 208/120
- ***** = 415/240, 400/230, 380/220

Nominal Frame Size Generators--Permanent Magnet

HZ	Volts	Ratings		Generator Frame	Order #	Generator Removal
		50 Hz=kVA Standby	60 Hz=kW Cont.			
60	**	150/245	150/190	447	OGNPM11	RPA0004
60	***	150/245	150/190	447	OGNPM11	RPA0004
60	****	150/245	150/190	447	OGNPM11	RPA0001
50	*****	---	156/200	447	OGNPM11	RPA0004

Nominal Frame Size Generators--Premium

HZ	Volts	Ratings		Generator Frame	Order #	Generator Removal
		50 Hz=kVA Standby	60 Hz=kW Cont.			
60	*	150/245	150/190	447	OGNPR03	RPA0002
60	**	150/245	150/190	447	OGNPR56	RPA0004
60	***	150/245	150/190	447	OGNPR58	RPA0004
50	*****	---	156/200	447	OGNPR56	RPA0004

Single Oversize Frame Generators--Permanent Magnet

HZ	Volts	Ratings		Generator Frame	Order #	Generator Removal
		50 Hz=kVA Standby	60 Hz=kW Cont.			
60	**	150/245	150/190	448	OGNPM1J	RPA0004
60	***	150/245	150/190	448	OGNPM1J	RPA0004
60	****	150/245	150/190	448	OGNPM1M	RPA0001
50	*****	---	156/200	448	OGNPM1J	RPA0004

Single Oversize Frame Generators--Self Excited

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

OPTIONAL GENERATORS COMPATIBILITY TABLES (Cont.)

HZ	Volts	Ratings		Generator Frame	Order #	Generator Removal
		50 Hz=kVA Standby	60 Hz=kW Cont.			
60	**	150/245	150/190	448	OGNSED4	RPA0004
60	***	150/245	150/190	448	OGNSED4	RPA0004
50	*****	---	156/200	448	OGNSED4	RPA0004

Single Oversize Frame Generators--Premium

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

GENERATOR REMOVALS

I	RPA0002	GENERATOR REMOVAL 0 REQUIRES: 60 Hz PGS with a 447 frame generator at 600 volts.		\$-14,766
I	RPA0001	GENERATOR REMOVAL 0 REQUIRES: 60 Hz PGS with a 447 frame generator at 208/120 volts.		\$-15,299
I	RPA0004	GENERATOR REMOVAL 0 REQUIRES: 50 Hz PGS with a 447 frame generator at 415/240, 400/230, or 380/220 volts.		\$-14,766

ATTACHMENT GENERATOR ARRANGEMENT FOR PGS

Space heaters
 Brushless SR4B generators installed. Ratings are with fan. Provides SE machines, increased motor starting capacity or Premium generators. Pricing for each feature code is listed after the following tables.

ORDERING INSTRUCTIONS

To order any optional generator at the same voltage include STD removal feature code on order and feature code of desired generator.

Example: To order a 448 frame, permanent magnet, oversize generator on a 600 volt, 60 Hz, 150 kW standby or 150 kW continuous PGS, order STD generator removal RPA0002 and 448 frame generator OGNPM1N.

Premium Generators Include:

- Permanent Magnet (PM) excitation
- Winding temperature detectors (type J thermocouples, 2 per phase)
- Bearing temperature detector (100 ohm Platinum RTD)
- Premium insulation system (Coastal insulation protection)
- Space heaters

OPTIONAL GENERATORS FOR 60 HZ PACKAGE GEN SETS

**OPTIONAL GENERATORS
 1800 RPM, 600 VOLT @ 60 HZ, 3 PHASE**

I	OGNPR03	GENERATOR 447 FRAME - 1 BRG 0 TECHNICAL: 600 volts at 60 hertz. Generator Argt= 193-8730 Winding= Random Wound, No. of Leads= 6 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal and Contactor CNTCT01.		\$18,303
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

OPTIONAL GENERATORS

1800 RPM, 480/277, 440/254, 240/139 or 220/127 VOLT @ 60 HZ, 3 PHASE

I	OGNPM11	GENERATOR 447 FRAME - 1 BRG 0 TECHNICAL: 480/277, 440/254, 240/139 or 220/127 volts at 60 hertz. Generator Argt= 193-8722 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal		\$15,911
I	OGNSED4	GENERATOR 448 FRAME - 1 BRG 0 TECHNICAL: 480/277, 440/254, 240/139 or 220/127 volts at 60 hertz. Generator Argt= 193-8734 Winding= Random Wound, No. of Leads= 12 Excitation= Self Excited, Pitch= .7500 REQUIRES: Generator Removal		\$15,275
I	OGNPM1J	GENERATOR 448 FRAME - 1 BRG 0 TECHNICAL: 480/277, 440/254, 240/139 or 220/127 volts at 60 hertz. Generator Argt= 193-8731 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal		\$16,423
I	OGNPR56	GENERATOR 447 FRAME - 1 BRG 0 TECHNICAL: 480/277, 440/254, 240/139 or 220/127 volts at 60 hertz. Generator Argt= 193-8728 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal and Contactor CNTCT01.		\$18,303
I	OGNPR61	GENERATOR 448 FRAME - 1 BRG 0 TECHNICAL: 480/277, 440/254, 240/139 or 220/127 volts at 60 hertz. Generator Argt= 193-8737 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal and Contactor CNTCT01.		\$18,813

OPTIONAL GENERATORS

1800 RPM, 240/139, 220/127 VOLT @ 60 HZ, 3 PHASE

OPTIONAL GENERATORS

1800 RPM, 208/120 VOLT @ 60 HZ, 3 PHASE

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

OPTIONAL GENERATORS (Cont.)

I	OGNPMA1	GENERATOR 447 FRAME - 1 BRG 0 TECHNICAL: 208/120 volts at 60 hertz. Generator Argt= 193-8723 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal		\$16,446
I	OGNPM1M	GENERATOR 448 FRAME - 1 BRG 0 TECHNICAL: 208/120 volts at 60 hertz. Generator Argt= 193-8732 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .8333 REQUIRES: Generator Removal		\$16,973
I	OGNPR55	GENERATOR 448 FRAME - 1 BRG 0 TECHNICAL: 208/120 volts at 60 hertz. Generator Argt= 193-8738 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .8333 REQUIRES: Generator Removal and Contactor CNTCT01.		\$19,418

OPTIONAL GENERATORS FOR 50 HZ PACKAGE GEN SETS

Consult Factory for 220/127 Volts

**OPTIONAL GENERATORS
 1500 RPM, 415/240, 400/230, 380/220 VOLT @ 50 HZ, 3 PHASE**

I	OGNPM11	GENERATOR 447 FRAME - 1 BRG 0 TECHNICAL: 415/277, 400/230 or 380/220 volts at 50 hertz. Generator Argt= 193-8722 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal		\$15,911
I	OGNPM1J	GENERATOR 448 FRAME - 1 BRG 0 TECHNICAL: 415/240, 400/230, or 380/220 volts at 50 hertz. Generator Argt= 193-8731 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal		\$16,423
I	OGNPR56	GENERATOR 447 FRAME - 1 BRG 0 TECHNICAL: 415/240, 400/230 or 380/220 volts at 50 hertz. Generator Argt= 193-8728 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal and Contactor CNTCT01.		\$18,303
I	OGNPR61	GENERATOR 448 FRAME - 1 BRG 0 TECHNICAL: 415/240, 400/230, or 380/220 volts at 50 hertz. Generator Argt= 193-8737 Winding= Random Wound, No. of Leads= 12 Excitation= Permanent Magnet, Pitch= .7500 REQUIRES: Generator Removal and Contactor CNTCT01.		\$18,813

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

OPTIONAL GENERATORS FOR 50 HZ PACKAGE GEN SETS (Cont.)

I	OGNSED4	GENERATOR 448 FRAME - 1 BRG 0 TECHNICAL: 415/240, 400/230 or 380/220 volts at 50 hertz. Generator Argt= 193-8734 Winding= Random Wound, No. of Leads= 12 Excitation= Self Excited, Pitch= .7500 REQUIRES: Generator Removal		\$15,275
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Optional Digital Voltage Regulators

I	OVRDG05	DIGITAL VOLTAGE REGULATOR 0 Includes KVAR/PF control. REQUIRES: PM excitation generator.		\$780
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Space Heater

I	SHK0001	SPACE HEATER KIT 0 TECHNICAL: Factory wired for 240 VAC. REQUIRES: Contactor - AC CNTCT01. CANNOT BE USED WITH: Premium Generators.		\$402
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GENERATOR POWER TERMINATION EQUIPMENT

Power Termination Equipment

I	PTSRH01	POWER TERMINAL STRIP MTG-RH 0 TECHNICAL: Provides right hand mounted power terminal strips. REQUIRES: Right hand mounted control panel EMCCPRH. CANNOT BE USED WITH: Package mounted circuit breaker.		NC
I	PTSLH01	POWER TERMINAL STRIP MTG-LH 0 TECHNICAL: Provides left hand mounted power terminal strips. REQUIRES: Left hand mounted control panel EMCCPLH. CANNOT BE USED WITH: Package mounted circuit breaker.		NC

GOVERNING SYSTEM

8290 Load Share Module

Electronic Load Sharing

I	GOVLS24	8290 LOAD SHARING MODULE 0		\$1,250
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LUBE SYSTEM

Sump Pump

I	OPAMSP2	MANUAL SUMP PUMP 0		\$336
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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SPECIAL TESTS/REPORTS

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		\$324 NET
I	TRSGEN7	PGS TEST REPORT @ 0.8 PF. 0		\$324 NET
I	TRSGEN1	GENERATOR TEST REPORT 0		\$324 NET

SPECIAL PACKING/INSPECTIONS FOR SHIPMENT

Special Packing for Shipping

I	DPX0001	DOMESTIC PACK-EXPORT CONTAINER 0 ONLY FOR USE WITH: Engines not boxed.		NC
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NOTE: CONTAINER SHIPMENTS - Charge per container will be included in freight forwarding invoice.
 40 ft. open top container -- \$675.
 40 ft. enclosed container -- \$540.
 20 ft. open top container -- \$450.
 20 ft. enclosed container -- \$360.

I	SWP0021	SHRINK WRAP PROTECTION 0 Plastic shrink wrap provides approximately one year external protection from moisture, sun and wind under transport and storage conditions. If package is to be stored outside for an extended period of time, consider also specifying Storage Preservation.		\$156 NET
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Export Boxing

I	EXB0019	DOMESTIC BOX PACK FOR EXPORT 0		\$1,182 NET
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Storage Preservation

Provides glycol solution in cooling system and vapor corrosion inhibitor in internal engine compartments. Protects engine and accessories from functional deterioration for a minimum of one year under outside storage conditions.

I	SRP0018	STORAGE PRESERVATION 0		\$164 NET
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Inspection Charges

Caterpillar miscellaneous handling charges for customer requested inspection by a private agency for inspection of engines, generators, transmissions and miscellaneous material. Includes visual inspection before boxing. No special test involved. Import license number must be supplied to factory prior to inspection.

NOTE: Available only for generator sets manufactured at Griffin.

I	MISCHC1	S.G.S. INSPECTION 0 S.G.S. inspection covers all contents of a given order.		\$432 NET
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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SPECIAL PACKING/INSPECTIONS FOR SHIPMENT (CONT.)

Inspection Charges (Cont.)

I	MISCHC2	MISCELLANEOUS INSPECTION 0 All other inspection agencies. Specify agency name, address, contact, and phone number.		\$432 NET
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STARTING/CHARGING SYSTEM

Battery Chargers

24 volt DC output. Installed on package.
Not warranted or serviced by Caterpillar Inc.
For use with lead acid batteries.
All battery chargers require Contactor - AC CNTCT01.

I	BTC0503	BATTERY CHARGER 5 AMP (Non-UL) 0 TECHNICAL: 220-240 VAC input.		\$462
I	BTC1001	BATTERY CHARGER 10 AMP 0 TECHNICAL: 220-240 VAC input.		\$1,086
I	BTC0505	BATTERY CHARGER 5 AMP (UL) 0 TECHNICAL: 105-128 VAC 50 or 60 Hz input.		\$833
I	BTC1036	BATTERY CHARGER-10 AMP 0 Includes: high voltage, low voltage and AC failure alarm Outputs, DC Ammeter and Voltmeter. Meets requirements of NFPA 99 and 110. TECHNICAL: For 120-208-240 VAC input. Regulated. 2-Rate charging with automatic switching from equalize to float.		\$1,250
I	BAT2416	OVERSIZE BATTERY 0 TECHNICAL: Removes standard 1000 CCA (140 Amp-Hr.) batteries and provides 1300 CCA (190 Amp-Hr.) batteries (2-12 VDC batteries). CANNOT BE USED WITH: Battery removal.		\$328
I	BATRM01	BATTERY REMOVAL 0 TECHNICAL: Removes standard batteries. Rack and cables provided.		\$-846

GENERAL

General

I	AIDEMB	US AID EMBLEM 0 Provides emblem to indicate the 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. Requires one emblem for each side of the engine.		NC
I	SPECPNT	SPECIAL PAINT 0 Colors (other than Caterpillar yellow) or high performance paints.		\$139 NET

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GENERAL (CONT.)

Tool Set

Tool set. Contains basic tools for regular maintenance; such as wrenches, grease gun, feeler gauges, etc. For a complete breakdown, refer to the Tool Guide for Caterpillar Dealers. Order 9S-7977.
 AVAILABLE ONLY FROM PARTS DISTRIBUTION

Digital diagnostic tool

Digital diagnostic tool. Required to set engine timing for EIS engines. Requires service program module NEXG4529 to make operational. Order 7X-1400.
 AVAILABLE ONLY FROM PARTS DISTRIBUTION.

TORSIONAL VIBRATION ANALYSIS

Torsional Vibration Analysis

Generator set analysis by Caterpillar.

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
I	TVATRS2	CUSTOM GENSET TVA REPORT 0 Provides a torsional report for a custom generator powered by a Caterpillar engine. Report includes natural frequency calculations, mode shapes, vibratory amplitudes and stressed for both engine and generator. Coupling vibration levels are included for two-bearing gensets. The following technical information is needed to perform the TVA: Generator mass-elastic data. This includes the inertia and torsional stiffness. Provide complete coupling part number and catalog reference sheets if available. Power demand and operating speed. Mass-elastic data or dimensional drawings for any equipment driven from the front of the engine crankshaft.	\$1,047 NET

LITERATURE

Kit, Serialized Technical Media

Includes Operation & Maintenance manual (in language of choice), parts book on Compact Disc (English only) and other required technical documents. One group shipped free of charge with each engine. Any additional media or translations not included in the literature kit, should be ordered through the CSS Media Online Ordering Site (<https://oos.midlandcorp.com/CAT/Default.aspx>)