GAS PKG. GEN SET LOW EMISSION -CSARL (X) LAFAYETTE, INDIANA

Ship Weight

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

TECHNICAL PERFORMANCE DATA

Technical performance data and Engine rating information is available

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TECHNICAL PERFORMANCE DATA (CONT.)

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; intermediate duty with service indicator Installed on: 516GE7K (1.085 MW - 50 Hz)

Shipped loose on: 516GE7I (1.0 MW - 50 Hz)

CONTROL SYSTEM

Governor; Woodward 2301A Speed Control, EG3P Actuator (2301A installed in shipped loose EMCP 4.3 panel). 516GE7I (1.0 MW - 50 Hz)

Governor: Proact Speed Control (shipped loose) and Actuator (shipped loose), Deltec carburetor. 516GE7K (1.085 MW - 50 Hz)

COOLING SYSTEM

Jacket water circuit

Water pump; gear driven, centrifugal, Non-self-priming Thermostats and housing; maximum outlet temperature 110 C (230 F) Combined aftercooler and oil cooler circuit.

SCAC - Single stage aftercooler Water pump; gear driven, centrifugal, Non-self-priming

Aftercooler thermostats & housing; maximum inlet temperature 54C (130F) 516GE7I (1.0 MW - 50 Hz)

Aftercooler thermostats & housing; maximum inlet temperature 43C (110F) 516GE7K (1.085 MW - 50 Hz)

EXHAUST SYSTEM

Exhaust manifolds; dry - 516GE7K (1.085 MW - 50 Hz) water cooled - 516GE7I, (1.0 MW - 50 Hz) Exhaust pyrometer and thermocouples (individual exhaust

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EXHAUST SYSTEM (CONT.)

Ports and right and left bank exhaust stacks)

FLYWHEELS & FLYWHEEL HOUSINGS

Flywheel; SAE No. 00 Flywheel housing; SAE No. 00 SAE standard rotation

FUEL SYSTEM

Gas pressure regulator Requires 10.3 - 34.5 kPa (1.5 - 5 psi) gas.

Deltec natural gas carburetor (31 - 35 MJ/Nm3 venturi standard) 516GE7L (1.0 MW - 60 Hz) 516GE7K (1.085 MW - 50 Hz)

Rear inlet connectionn 516GE7I (1.0 MW - 50 Hz) 516GE7K (1.085 MW - 50 Hz)

Fuel filter is required but not provided as standard: Customer may provide, or see optional fuel filters.

Fuel system is sized for 17.7 to 23.6 MJ/Nm3 (450 to 600 btu/scf).

TECHNICAL: Dealer/customer must supply an air/fuel ratio control (AFRC).

GENERATORS AND GENERATOR ATTACHMENTS

3-phase brushless, salient pole 6 lead IEC Platinum Stator RTDs (.00385 Temp coefficient)

CDVR standard offering (mandatory selection)
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
1400 Frame Generator - LV (50 Hz)
Permanent Magnet Excitation
NEMA Class H insulation, Class F temperature rise at 40C ambient

IGNITION SYSTEM

Caterpillar Ignition System (controlled by ADEM A4) (includes detonation sensitive timing)

INSTRUMENTATION

Control panel including EMCP 4.3 controller (package mounted) which includes:

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

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INSTRUMENTATION (CONT.)

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

Over/Under voltage

Over/ Under frequency

Reverse power(kW)

Reverse reactive power(kVar)

Over current

Current balance

Over/Loss of Excitation

Generator temperature detectors

LUBE SYSTEM

Crankcase breather; top mounted or rear based on configuration, please consult TMI installation drawings. Lubrication oil - product is shipped without lubricating oil. Dealer is responsible for initial an subsequent fills that meet Caterpillar specifications for the gas

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LUBE SYSTEM (CONT.)

composition at site. Oil cooler Oil filter; RH

Shallow oil pan, please refer to TMI for specific lube oil capacity

MOUNTING SYSTEM

Rails; engine-generator mounting

POWER TAKE-OFFS

Front housing; two-sided

PROTECTION SYSTEM

Detonation shutdown

Additional safety shutdown protection (see Instrumentation) OPTIONAL: Gas valve 50.8 mm (2 in) pipe size.

STARTING SYSTEM

MANDATORY SELECTION: ELSDL16

Dual 24 volt electric starting motor for ambient above 20 C (68 F) (Jacket water heater recommended for 10 sec. starting.)

GENERAL

Paint; Caterpillar Yellow

Crankshaft vibration damper and guard

Lifting eyes

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.

Note: Radiator not included. Ratings shown are without fan. Note: Torsional analysis is recommended if other than a Caterpillar generator is used.

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Ship Weight lbs

List Price At Factory

			Ship Weight Ibs	List Price At Factory
x	516GE7I	G3516 LE PACKAGE GEN SET 71 1000 ekW, 50 Hertz, 1500 RPM TECHNICAL:11:1 Compression Ratio; water cooled exhating single stage aftercooler, 1500 rpm. Provides equipment for use with landfill gast applications including: special cylinder heat ventilation breathers, high temperature 11 jacket water pump, 2 circuit cooling system water, combined aftercooler/oil cooler), independent of the connection and corrosion resistant aftercoolers from 17.7-23.6 MJ/Nm3 (450 - 600 B) REQUIRES: KMW1030 or PSTSPCL and WETMANI and NOTE: Engine factory tested on natural gas. Low energy (Deltec) venture Supplied shipped loose and must installed by dealer. Dealer responsible for final assembly of fuel and protection systems. MANDATORY GENERATOR SELECTION FOLLOwers.	xhaust manifolds; gas or bio-gas heads, crankcase 110 C (230 F) stem (jacket inlet/outlet recoler core. D Btu/scf). and TSTAT38 tergy must be d LOWS	\$517,688
x	516GE7K	G3516 LE PACKAGE GEN SET 7K. 1085 ekW, 50 Hertz, 1500 RPM TECHNICAL:11:1 Compression Ratio; dry exhaust manisingle stage aftercooler, 1500 rpm. Provides equipment for use with landfill gabio-gas applications including: special cylinheads, crankcase ventilation breathers, high temperature 110 C (230 F) jacket water pure 2 circuit cooling system (jacket water, compaftercooler/oil cooler), inlet/outlet connecting corrosion resistant aftercooler core. Gas from 17.7-23.6 MJ/Nm3 gas (450 - 60 REQUIRES: KV01100 or PSTSPCL and DRYMANI and ANOTE: Engine factory tested on natural gas. Low energy (Deltec) venture Supplied shipped loose and must be installed by dealer. Dealer responsible for final assembly of fuel and protection systems. MANDATORY GENERATOR SELECTION FOLLOwers.	folds; s or nder gh mp, bined on and 00 Btu/scf). ACTEMPA Sy st	\$561,691

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
GRID	CODE CO	MPLIANCE	
x	GDCDNRE	GRID CODE COMPLIANCE NOT REQ	NC
X	GDCDGER	GERMANY GRID CODE COMPLIANCE	\$1,121 NET
E	URASIAN C	ONFORMITY	
X	NOEACRT	NO EA CERT REQUEST-SEE DETAILS	NC
X	EACCERT	EURASIAN CONFORMITY (EAC) MARK	NC
	Standard) Reg Effective July New Source Pengines opera Effective Janurated below 50 including land will apply to a	oark Ignited) Stationary NSPS (New Source Performance	
X	NSPSNUS	NON-U.S. GENSET	NC

			O I O LI TI L
USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
GRID	CODE COI	MPLIANCE (CONT.)	
		on Rule (Cont.)	
×	NONNSPS	NSPS NON-COMPLIANT ENG	
VOLT	AGE INDIC	CATORS	
1	the appropria	eators en set orders REQUIRE a voltage be specified. Choose te voltage feature code from the following list based and generator arrangement being ordered.	
50) Hertz Vol	tage Indicator	
X	50H0400	VOLTAGE INDICATOR 400V (WYE)	NC
Sp	pecial Volta	nge Indicator	
X	VLTIND1	VOLTAGE INDICATOR - SPECIAL	NC
CERT	TIFICATION	S	
Eu	ıropean Un	ion Certifications	
x	EUDGDOI	EUROPEAN DIRECTIVE GENSET DOI	\$271 NET

to other applicable directives. This is required by OEM manufacturers when the subject product is

installed in a more complex installation.

USE REF MANDATORY ATTACHMENTS Ship Weight List Price At Factory

CERTIFICATIONS (CONT.)

European Union Certifications (Cont.)

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.

APPLICATION INDICATORS

TECHNICAL: Refer to LEXE0593 for 50Hz and LEXE0791 for 60Hz, for load and unload capability. It is the dealer's responsibility to match the customers' needs to the

responsibility to match the customers' needs to the product's capability.

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.

Selecting this feature code confirms that the Island Mode Product update LEXE0593 for 50Hz and LEXE0791 for 60Hz has been read and understood.

Any transient applications beyond what is specifically identified in LEXE0593 for 50Hz and LEXE791 for 60Hz will not be supported by Caterpillar.

Further questions regarding the Product Update or the capabilities of this genset must be 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.

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NC

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Pric At Factor
APPL	ICATION IN	IDICATORS (CONT.)	
	arket Segm		
x	MSEPGGS	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,	N
x	MSPMDXQ	Locomotive, or Marine electric power applications. END USE:EPG Rental-All Product	NO
		Please ensure the selected unit complies with regional emission standards.	
X	MSPETDR	PETROLEUM LAND DRILLING	NO
x x	MSPETPG	includes Petroleum, Industrial, EPG, and Marine price list products. END USE: PETRO PRODUCTION/PUMP	NO
-,		for drilling or production rigs, platforms, or facilities.	
	applications.	CONTINUEND POWER APPLICATION	
X	CONTINU	CONTINUOUS POWER APPLICATION	N

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
ENG	INE RATING	AND SPEED	
R	atings		
x	PSTSPC1	SPECIAL SETTING REQUEST	NC
x	KV01100	(SRR) before order is submitted. 1100 EKW W/O FAN (43C/110F)	NO
x	KMW1030	REQUIRES: 516GE7K 1030 EKW W/O FAN (54C/130F)	NC
MAN	IDATORY A	TTACHMENTS	
N	<i>IANIFOLDS</i>		
X	WETMANI	WET MANIFOLD	NC
X	DRYMANI	REQUIRES: 516GE7I DRY MANIFOLD	NC
A	FTERCOOL	ER TEMPERATURE	
X	TSTAT38	THERMOSTATIC VALVE (54 DEG C)	\$552
x	АСТЕМРА	THERMOSTATIC VALVE (43 DEG C)	\$464
CON	TROL SYST	EM	
2	301A Speed Required for 5	d Control Governor 516GE7J	
X	GOVSC02	2301A SPEED CONTROL GOVERNOR	\$2,502
X	GOVLS15	REQUIRES: 516GE7J 2301A LOAD SHARING GOVERNOR	\$1,594
2	301E Gover	rnor:	
X	GOVDG06	2301E DUAL GAIN GOVERNOR	\$1,938
CIRC	UIT BREAK	ERS	
3		947-2 Rated) Circuit Breakers rip and Auxiliary Contacts.	
	NOCBRKR	NO CIRCUIT BREAKER REQ	NC

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
CIRC	UIT BREAK	ERS (CONT.)	
3	-Pole (IEC -	947-2 Rated) Circuit Breakers (Cont.)	
X	СВК0039	CIRCUIT BKR W/ST 2500 A	\$9,372
X	СВК0041	TECHNICAL: Generator mounted CIRCUIT BKR W/ST 3200 A	\$11,965
CON	TROL PANE	ELS	
E	MCP 4.3		
x	EMCP43I	EMCP 4.3 CONTROL PANEL	\$15,976
E	MCP Contro	oller Location	
R	ight Side Lo	ocation	
X	UIPBRHS	CONTROL PANEL MOUNTING - RH	NC
L	eft Side Loc	eation	
X	UIPBLHS	CONTROL PANEL MOUNTING - LH	NC
R	ear Location	n	
X	UIPBBHS	CONTROL PANEL MOUNT - REAR	NC
E	mpty Upper	Box	
X	AUXBOXR	EMPTY RIGHT UPPER BOX	\$834
X	AUXBOXL	EMPTY LEFT UPPER BOX	\$834
x	AUXBOXB	EMPTY REAR UPPER BOX	\$834
S	ide Extensio	on Box	
x	EMPTYPR	RIGHT SIDE EXTENSION BOX	\$1,214

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
CON	ITROL PANE	LS (CONT.)	
S	Side Extensio	on Box (Cont.)	
	EMPTYPL	LEFT SIDE EXTENSION BOX	ė1 01 <i>4</i>
X	EIVIPTTPL	TECHNICAL: Provides lower left side empty enclosure.	\$1,214
x	ЕМРТҮРВ	REQUIRES: LEFT EXTENSION BOX ROOF (EXTBRFL) REAR EXTENSION BOX	\$2,345
R	Rear Extension	on Box Close Out	
x	EXTBCLB	REAR EXTENSION BOX CLOSE OUT	\$173
C	Cable Shroud	1	
X	SHROUTR	TOP RIGHT SHROUD	\$904
		TECHNICAL: Provides cable shroud on the top right extension box REQUIRES: RIGHT SIDE EXTENSION BOX (EMPTYPR) CANNOT BE USED WITH: BOTCR03, AUXBOXR, UIPBRHS	
x	SHROUTL	TOP LEFT SHROUD	\$904
X	SHROUTL	Box, or LH EMCP Mounting TOP LEFT SHROUD	\$904
		REQUIRES: RIGHT SIDE EXTENSION BOX (EMPTYPL) CANNOT BE USED WITH: BOTCL03, AUXBOXL, UIPBLHS	
X	SHROUTB	TOP REAR SHROUD	\$588
X	SHROUDR	CANNOT BE USED WITH: BOTCB03, AUXBOXB, UIPBBHS BOTTOM RIGHT SHROUD	\$904
		TECHNICAL: Provides cable shroud on the bottom of the right ext. box. REQUIRES: RIGHT SIDE EXTENSION BOX (EMPTYPR)	
X	SHROUDL	CANNOT BE USED WITH: TOPCR01 BOTTOM LEFT SHROUD	\$904
		TECHNICAL: Provides cable shroud on the bottom of the left ext. box. REQUIRES: RIGHT SIDE EXTENSION BOX (EMPTYPL) CANNOT BE USED WITH: TOPCL01	
X	SHROUDB	BOTTOM REAR SHROUD	\$588
		TECHNICAL: Provides cable shroud on the bottom of the rear ext. box. REQUIRES: RIGHT SIDE EXTENSION BOX (EMPTYPB) CANNOT BE USED WITH: TOPCBLB	
A	\nnunciator	- Local	
X	CVR0048	COVERS-NO LOCAL ANNUNC MODULES	\$55
X	ANFPA01	is NOT selected. LOCAL NFPA ANNUNCIATOR	\$570

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
CON	TROL PANE	LS (CONT.)	
A	nnunciator	- Local (Cont.)	
X	ANNCL01	1ST CUSTOM LOCAL ANNUNC RS485	\$570
C	ontrol Panel	Mounting & Covers	
x	CPMNTBY	RR CP MTG W/RR EXT BOX	NC
x	CPMNTBN	REQUIRES: Rear EMCP mount (UIPBBHS) and Rear Ext Box (EMPTYPB) RR CP MTG W/O RR EXT BOX	NC
x	CPMNTRY	REQUIRES: Rear EMCP mount (UIPBBHS) CANNOT BE USED WITH: Rear Extension Box (EMPTYPB) RH CP OR AUX BOX MTG W/RH EXT	NC
×	CPMNTRN	an Extension box is mounted below. REQUIRES: Right EMCP mount (UIPBRHS) and Right Ext Box (EMPTYPR) RH CP OR AUX BOX MTG W/O RH EX TECHNICAL: Used to mount the Aux Box on the Right side when	NO
×	CPMNTLY	an Extension box is mounted below. REQUIRES: Right EMCP mount (UIPBRHS) CANNOT BE USED WITH: Right Ext Box (EMPTYPR) LH PANEL W/ LH EXT BOX	NC
K	CPMNTLN	an Extension box is mounted below. REQUIRES: R: Left EMCP mount (UIPBLHS) and Left Ext Box (EMPTYPL) LH CP OR AUX BOX MTG W/O LH EX TECHNICAL: Used to mount the Control Panel on the Left side when an Extension box is mounted below.	NC
		REQUIRES: Left EMCP mount (UIPBLHS) CANNOT BE USED WITH: Left Ext Box (EMPTYPL)	
G	enerator Ma	ain Terminal Box	
X	BOXGN30	MAIN GENERATOR ENCLOSURE	\$7,880
G	Generator Ma	ain Terminal Box Wiring	
		•	
X	MBLVW01	LOW VOLTAGE WIRING	NC
E	xtension Bo	x Floors	
X	EXBXFLR	RIGHT SIDE EXTENSION BOX FLOOR	\$72

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
CON.	TROL PANE	ELS (CONT.)	
		ex Floors (Cont.)	
			670
X	EXBXFLL	LEFT SIDE EXTENSION BOX FLOOR	\$72
X	EXBXFLB	CANNOT BE USED WITH: Left Side Bottom Shroud (SHROUDL) REAR SIDE EXTENSION BOX FLOOR	\$115
Si	ide Extensio	on Box Plugs	
X	BOXPLGR	RH EXTENSION BOX PLUGS	NC
X	BOXPLGL	LH EXTENSION BOX PLUGS	NC
Lo	ower Cover	rs ·	
X	BOTCVRR	LOWER RIGHT COVER	\$154
X	BOTCVRL	LOWER LEFT COVER	\$154
x	BOTCVRB	LOWER REAR COVER. 0 CANNOT BE USED WITH: Circuit Breakers	\$250
U	pper Cover	s	
X	TOPCVRR	UPPER RIGHT COVER	\$71
X	TOPCVRL	UPPER LEFT COVER	\$71
X	TOPCVRB	UPPER REAR COVER	\$71
Ex	ktension Bo	ox Roof Covers	
x	EXTBRFR	RIGHT EXTENSION BOX ROOF	NC
x	EXTBRFL	top right shroud (SHROUTR) LEFT EXTENSION BOX ROOF	NC

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
CON	TROL PANE	ELS (CONT.)	
Ex	ktension Bo	x Roof Covers (Cont.)	
X	EXTBRFB	TOP REAR COVER	NC
Cá	able Manag	ement	
K	SUPCBL3	CABLE SUPPORT	\$425
GENE	RATORS		
		ATORS hless generators. Includes generator, h rails, hardware and generator coupling.	
		n are generator set electrical output without fan. Specify Power terminal strip INCLUDED on LOW VOLTAGE	
	Caterpillar's D droop capabili	standard offering (mandatory selection) Digital Voltage Regulator (CDVR) - CDVR includes ity, 3-Phase voltage sensing, KVAR/PF modes, on, min/max exciter limiter and exciter .	
50	0 Hertz, 3 F	Phase, 1500 RPM, 400 VAC	
x	OGPM031	GEN-1447-400V-PM-RW-1B	\$79,952
x	OGPM473	GENERATOR 864 FRAME PM	\$90,297
x	OGPM040	REQUIRES: 60H0480 or VLTIND1 GEN-1488-400V-PM-FW-1B	\$155,950

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USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
GOV	ERNING SY	STEM	
Lo	oad Share N	Module	
x	ALSLSM1	LOAD SHARING MODULE	\$1,673
LUBE	SYSTEM		
Lι	ıbricating C	Dil Control of the Co	
X	NOLUB01	NO LUBRICATING OIL DESIRED	NC
X	LUBOILU	LUBRICATING OIL - ULTRA	\$2,406
Si	implex Oil F	Filter	
x	SINOIL1	STANDARD SINGLE OIL FILTER	\$2,332
D	uplex Oil Fi	ilter	
X PRELI	DUOFROO	DUPLEX OIL FILTER-RH SERVICE	\$4,186
		ube Pumps - AC luty. Reference wiring diagram 113-7313.	
X	ELEPAC2	ELECTRIC PRELUBE PUMP-50 HZ	\$3,825
	Intermittent d	ube Pumps - DC luty. Includes pump and j-box with pressure switch, and relay. Wiring and PLC must be provided by customer.	
х	ELEPP29	ELECT PRELUBE PUMP 24V/3500B	\$3,384
M	lanual Prelu	be Pump	
x	OPAPLC9	PRELUBE CONVERSION-RH	\$463

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
LUBE	SYSTEM	(CONT.)	
N	o Prelube P	Pump	
x	NOPLUBE	NO PRELUBE DESIRED	\$31
Sı	ump Pumps	5	
X	CVR0086	COVER GP	NC
X	SPMPLH1	TECHNICAL: No sump pump SUMP PUMP LH	\$279
X	SPMPRH1	TECHNICAL: Mounts on industrial type rails. SUMP PUMP RH	\$279
POW	ER CONNE	CTIONS	
G	rounding G	roups	
X	GRND011	GROUND GP -1400 FRAME LV	\$305
C	enter Post	Bus Bar	
X	BS14IEC	CENTER 5000A LV IEC BUS	\$1,370
X	BS14MUL	CENTER 5000A LV MULTI BUS	\$1,079
x	BS14NEM	REQUIRES: Power Connections BUSBR, BUSBL or BUSBB CENTER 5000A LV NEMA BUS	\$1,424
Ri	ight Side Po	ower Connections	
X	NONPCR	NO CONNECTION - RIGHT	NC
X	BUSBRI1	RIGHT LV IEC BUS	\$5,064
x	BUSBRN4	REQUIRES: RIGHT SIDE EXTENSION BOX (EMPTYPR) CANNOT BE USED WITH: Other Buss Bar connections (BUSBLxx or BUSBBxx) RIGHT LV NEMA BUS	\$5,907
Le	eft Side Po	wer Connections	
X	NONPCL	NO CONNECTION - LEFT 0	NC
X	BUSBLI1	LEFT LV IEC BUS	\$3,324

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
POW	VER CONNE	CTIONS (CONT.)	
L	ert Side Pov	ver Connections (Cont.)	
X	BUSBLN4	LEFT LV NEMA BUS	\$5,907
F	Rear Power (Connections	
x	NOCBKB1	NO CONNECTION - REAR	NC
X	BUSBBI1	REAR LV IEC BUS	\$4,246
X	BUSBBN4	REAR LV NEMA BUS	\$6,127
X	вотсвоз	BOTTOM CABLE ENTRY-REAR	NO
X	BOTCL03	BOTTOM CABLE ENTRY-LEFT	NO
X	BOTCR03	BOTTOM CABLE ENTRY-RIGHT 0	NO
X	TOPCL01	REQUIRES: Circuit Breakers TOP CABLE ENTRY-LEFT	NO
		CANNOT BE USED WITH: Left hand mounted EMCP panel (UIPBLHS) or Empty Left Control Box (AUXBOXL), or Left Side Bottom Shroud (SHROUDL).	
x	TOPCR01	TOP CABLE ENTRY-RIGHT	NC
X	TOPCBLB	TOP CABLE ENTRY-LEFT	NO
C	Circuit Break	er Mounting	
X	CBMRNB1	R/NS FRAME CB REAR MOUNT	NC
X	CBMRNR1	REQUIRES: Circuit Breakers R/NS FRAME CB RIGHT MOUNT	NO
x	CBMRNL1	REQUIRES: Circuit Breakers R/NS FRAME CB LEFT MOUNT	NO
C	Sircuit Break	er Wiring	
X	PRNWIR1	L-P-R-NS FRAME CB WIRING	NO

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
POW	/ER CONNE	CTIONS (CONT.)	
		er Connections	
C	ilcuit bieak	er Connections	
X	RCONB3R	R FRAME CONN 3P BCE RIGHT	\$2,043
		Circuit Breakers, Bottom Cable Entry, mounted on the right	
X	RCONB3L	REQUIRES: Circuit Breaker and Bottom Cable Entry - RIGHT R FRAME CONN 3P BCE LEFT	\$2,043
^	HOONDOL	TECHNICAL: Provides power connections for R-Frame, 3-Pole	Q2,043
		Circuit Breakers, Bottom Cable Entry, mounted on the left REQUIRES: Circuit Breaker and Bottom Cable Entry - LEFT	
X	RCONB3B	R FRAME CONN 3P BCE REAR	\$1,228
		TECHNICAL: Provides power connections for R-Frame, 3-Pole Circuit Breakers, Bottom Cable Entry, mounted	
		on the rear	
X	RCONT3R	REQUIRES: Circuit Breaker and Bottom Cable Entry - REAR R FRAME CONN 3P TCE RIGHT	\$2,043
		R-Frame and NS-Frame (2000A and above)	4-,0-0
		TECHNICAL: Provides power connections for R-Frame, 3-Pole Circuit Breakers, Top Cable Entry, mounted	
		on the right	
X	RCONT3L	REQUIRES: Circuit Breaker and Top Cable Entry - RIGHT R/NS FRAME CONN 3P TCE LEFT	\$2,043
		TECHNICAL: Provides power connections for R-Frame, 3-Pole	
		Circuit Breakers, Top Cable Entry, mounted on the left	
X	RCONT3B	REQUIRES: Circuit Breaker and Top Cable Entry - LEFT	61 000
^	RCONTSB	R/NS FRAME CONN 3P TCE REAR	\$1,228
		Circuit Breakers, Top Cable Entry, mounted	
		on the rear REQUIRES: Circuit Breaker and Top Cable Entry - REAR	
J	acket Water	Heater Wiring	
X	WIRJW33	WIRING GP-JW HEATER	ęsar
^	WIRJW33	REQUIRES: Jacket Water Heater (JWH0017)	\$390
J	acket Water	Heater Control	
X	HTRCG02	208/220/240V JWH CONTROL	\$91
		TECHNICAL: Provides control for 240/220/208V Jacket Water Heaters.	70-
		REQUIRES: Jacket Water Heater (JWH0017)	
S	pace Heater	•	
X	SHK0003	SPACE HEATER KIT	\$348
		TECHNICAL: Provides heating for condensation control. REQUIRES: 1400 CD or 1600 or 1800 frame generator.	
_	maaa 114	•	
3	pace Heater	Control	
X	SPHCT01	SPACE HEATER CONTROL	\$363

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
ov	VER TAKE-O	FFS	
F	ront Stub S	haft	
K	NOSHAFT	NO FRONT STUB SHAFT DESIRED	\$75
(SHAFT03	FRONT STUB SHAFT	\$659
F	ront Cranks	haft Mounted Pulley	
<	NOCRPY1	NO CRANKSHAFT PULLEY	NC
(CRKPL01	CRANKSHAFT PULLEY	\$302
K	CRKPL02	CRANKSHAFT PULLEY	\$220
S		of jacket water heater are UL recognized. Fixed et for cut in at 60 C (140 F). Includes low	
<	NOJWHTR	NO JW HEATER REQ'DHEATER	NC
		Jacket water heater.	
(JWH0017	JACKET WATER HEATER	\$1,042
	JWH0017 Engine Barrin	TECHNICAL: LH mounted. 240/480 volt, single phase, 6kW.	\$1,042
E		TECHNICAL: LH mounted. 240/480 volt, single phase, 6kW.	\$1,042 NC
E	Engine Barrin	TECHNICAL: LH mounted. 240/480 volt, single phase, 6kW.	
<i>E</i>	ngine Barrin	TECHNICAL: LH mounted. 240/480 volt, single phase, 6kW. NO BARRING GROUP	NC
x x PRO	Engine Barrin NOBAROO BARGPO4	TECHNICAL: LH mounted. 240/480 volt, single phase, 6kW. NO BARRING GROUP	NC
PRO	Engine Barrin NOBAROO BARGPO4	TECHNICAL: LH mounted. 240/480 volt, single phase, 6kW. NO BARRING GROUP	NC
x x x PRO	Engine Barrin NOBAROO BARGPO4 TECTION SY	TECHNICAL: LH mounted. 240/480 volt, single phase, 6kW. NO BARRING GROUP	NC \$214

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
PRO	TECTION S	YSTEM (CONT.)	
C	RH mounted. Includes voltn	ernators eavy duty with integral regulator. neter. Customer must provide wiring between ltmeter, and batteries.	
X	ALT2469	CHARGING ALTERNATOR 24V 35 AMP	\$1,144
X	ALT2471	CHARGING ALTERNATOR 24V 60 AMP	\$1,262
COC	LING SYST	EM	
C	COOLING W	ATER & AFTERCOOLER LINES	
X	INADPT1	INLET ADAPTER	\$68
X	CLIOCN2	INLET/OUTLET CONNECTION/JW	\$112
X	COLMJA0	MECH JOINT ASSEMBLY	\$169
STA	RTING SYS	ТЕМ	
X	ELSDL16	ELECTRIC STARTING MOTOR LH	\$2,118
l	oltage regu	lator	
X	MBACC01	1400 FRAME ACCESSORIES	\$2,056
L	amper Guai	rd	
X	DPRGD03	DAMPER GUARD, LEDGE RAIL MTG	\$332
INST	RUMENTAT	TION	
C	CAT CONNE	CT	
X	TMCETH1	ETHERNET TELEMATICS0 TECHNICAL: Provides installed Ethernet telematics module.	NC
X	TMCSAT1	SATELLITE TELEMATICS	\$959 NET

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
INSTF	RUMENTAT	TION (CONT.)	
CA	AT CONNE	CT (Cont.)	
X	TMCCEL1	CELL TELEMATICS	\$459 NET
LANG	UAGE OPT	TIONS	
		ls - Language Options uage for genset controller	
x	LANENGC	ENGLISH LANGUAGE- GENSET CNTL 0	NC
x	LANARAC	ARABIC LANGUAGE-GENSET CNTL	NC
X	LANCHIC	CHINESE LANGUAGE-GENSET CNTL	NC
X	LANDANC	DANISH LANGUAGE-GENSET CNTL 0	NC
X	LANDUTC	DUTCH LANGUAGE-GENSET CNTL 0	NC
X	LANFINC	FINNISH LANGUAGE-GENSET CNTL 0	NC
X	LANFREC	FRENCH LANGUAGE- GENSET CNTL 0	NC
X	LANGERC	GERMANLANGUAGE-GENSET CNTL0	NC
X	LANGREC	GERMAN LANGUAGE-GENSET CNTL	NC
X	LANITAC	ITALIAN LANGUAGE-GENSET CNTL 0	NC
X	LANJAPC	JAPANESE LANGUAGE-GENSET CNTL 0	NC
X	LANPORC	PORTUGUESE LANGAUGE-GENSET CNT	NC
X	LANRUSC	RUSSIAN LANGUAGE-GENSET CNTL0	NC
X	LANSPAC	SPANISH LANGUAGE- GENSET CNTL 0	NC
X	LANSWEC	SWEDISH LANGUAGE-GENSET CNTL 0	NC
X	LANTURC	TURKISH LANGUAGE-GENSET CNTL	NC
I 1 I	Provides name language. For	enguage Options eplate, decals, and operator's manual in specified other Language Options contact your Marketing Additional literature available through Corporate stem.	
x	LANARAO	LANGUAGE MARKINGS-ARABIC	NC
x	LANCHIO	LANGUAGE MARKINGS-CHINESE	NC
X	LANDUTO	LANGUAGE MARKINGS-DUTCH	NC

USE	REF NO.	MANDATORY ATTACHMENTS Ship Weight lbs	List Price At Factory
LANG	GUAGE OP	TIONS (CONT.)	
PA	ACKAGE La	anguage Options (Cont.)	
X	LANENGO	LANGUAGE MARKINGS-ENGLISH	NC
X	LANFREO	LANGUAGE MARKINGS-FRENCH	NC
X	LANGERO	LANGUAGE MARKINGS-GERMAN	NC
X	LANPORO	LANGUAGE MARKINGS-PORTUGESE	NC
X	LANRUSO	LANGUAGE MARKINGS-RUSSIA	NC
X	LANSPAO	LANGUAGE MARKINGS-SPANISH	NC
Er	Includes Open (provided in C miscellaneous that is include	Other Languages ration and Maintenance Instruction Book, Parts Book CD for English language only) and other s forms. These groups remove the English literature ed in the engine reference numbers. hipped free of charge with each engine.	
X	LITENGO	ENGLISH INSTRUCTION LANG	NC
X	LITFREO	FRENCH LITERATURE	NC
X	LITSPAO	SPANISH LITERATURE	NC
	NSFORMER urrent Tran	S, DRY TYPE	
x	CT25006	CT 2500:5 RATIO	\$432

USE	REF NO.	OPTIONAL ATTACHMENTS Ship Weight lbs	List Price At Factory
AIR I	NLET SYST	ЕМ	
Re	emote Air II	nlet Adapters	
X	AIARE01	AIR INLET ADAPTER-RECTANGULAR	\$369
X	AIARM05	AIR INLET ADAPTER-ROUND	\$465
CHA	RGING SYS	TEM	
	Current limiti	gers ut for use with lead acid or nicad batteries. ngneed for crank disconnect relay. Not serviced by Caterpillar Inc.	
X	BTC1032	BATTERY CHARGER 10 AMP	\$1,171
×	BTC20A2	BATTERY CHARGER 20 AMP	\$1,486
CON.	TROL SYST	ЕМ	
Re	emote DIO	Module	
x	EMCSDP2	DISCRETE I/O MODULE	\$567
R	TD Module		
x	GENRTDF	GEN MONITORING PACKAGE	\$1,399

JSE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight Ibs	List Price At Factory
ON.	TROL SYST	EM (CONT.)		
A	nnunciator	- Remote		
(ANNC001	REMOTE CUSTOM ANNUNCIATOR	annunciator	\$966
M	lodbus Mon	itor Local Packages		
(LPCMONS	LOCAL PC MONITORING	0	\$237
(RPCMONS	REMOTE PC MONITORING		\$1,375
V	andal Proof	Panel Cover		
(VANDALD	VANDAL PROOF PANEL DOOR		\$165
N	eutral Groui	nd Connections		
[NGRDC01	NEUTRAL GROUND-LVTECHNICAL: Provides a neutral grounding connection	0	\$173
00	LING SYSTI	EM .		
E	xhaust conn	nections		
K	COLMJAO	MECH JOINT ASSEMBLY Shipped loose. TECHNICAL: Mechanical flexible connection for jacket water inlet and outlet. Two pieces required for complete installations		\$169
EXHA	AUST SYST	EM		
	lexible Fittin Includes one s	gs set hardware and gasket to bolt to engine.		
(EXCFF12	FLEXIBLE FITTING/203MM/8IN		\$477
(EXCFF11	FLEXIBLE FITTINGS		\$1,062

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight Ibs	List Price At Factory
EXH	AUST SYST	EM (CONT.)		
	lbows Weldable, 90	degree bend.		
x	EXCEL10	ELBOW - 254 MM (10 IN) Shipped loose. TECHNICAL: 254 mm (10 in) standard schedule short ra Intended for use with flange and exhaust ex EXCFE03 and customer supplied 254 mm	dius elbow. xpander	\$720
X	EXCEL08	ELBOW - 305 MM (12 IN)	dius elbow.	\$870
FI	lange and E	xhaust Expanders		
x	EXCFE03	FLANGE & EXH EXP/203 TO 254MM	ides	\$427
X	EXCFE02	FLANGE & EXH EXP/203 TO 305MM Shipped loose. TECHNICAL: 203 to 305 mm (8 to 12 in) expander. Inclugaskets, hardware and 305 mm (12 in) man flange for welding to customer supplied 305 mm (12 in) pipe.	ides	\$818
M	lufflers			
X	MUF0010	MUFFLER/15DBA/254MM/10IN Shipped loose. TECHNICAL: 15 dBA typical sound reduction. Includes r flanges for welding to 254 mm (10 in) pipe. Intended for use with flange and exhaust exand customer supplied 254 mm (10 in) pip	nating xpander EXCFE03	\$1,760
x	MUF0011	REQUIRES: Flange and exhaust expander EXCFE03 MUFFLER	nating xpander EXCFE02	\$2,528
x	MUFSA04	REQUIRES: Flange and exhaust expander EXCFE02. MUFFLER-SPARK/20DBA/10IN	0	\$2,229

USE	REF NO.	OPTIONAL ATTACHMENTS Ship Weig	ht List Price At Factory
LUBE	SYSTEM		
0	il Pan Acce	ssories	
X	OLVLRG4	OIL LEVEL REGULATOR TECHNICAL: Maintains safe oil level in pan from customer provided gravity-fed oil supply.	0 \$545
X	OILDRN3	OIL PAN DRAIN TECHNICAL: Includes standard cover gp and drain valve. Customer may provide hose or pipe for remote drain. Includes 2-11 1/2 NPTF threaded female connection for customer connection. CANNOT BE USED WITH: Sump pumps SPMPLH1 or SPMPRH1.	
MOU	NTING SYS	STEM	
V	ibration Isol	lators	
x	VIBIS05	VIBRATION ISOLATORS	0 \$1,263
x	FLXISP1	Load range 10,896 to 16,344 kg (24,000 to 36,000 lbs FLEXIBLE ISOLATOR PAD	
		(1 in) Recommended loading 50 lbs per sq. inch. TEN suggested for a package genset.	
	TECTION SY	YSTEM	
G	as Valve		
X	SOV2403	GAS SHUTOFF VALVE	0 \$562
SPEC	IAL TESTS	/REPORTS	
Sį	pecial Tests	s/Reports	
x x	TRSGEN2 TRSGEN7	PGS TEST REPORT @ 1.0 PF	

USE REF OPTIONAL ATTACHMENTS Ship Weight List Price Ibs At Factory

SPECIAL TESTS/REPORTS (CONT.)

Special Tests/Reports (Cont.)

X TRSGEN1 GENERATOR TEST REPORT...... 0 \$324 NET

Provides copy of generator test report, for orders when no engine is involved or when customer requires separate generator test report, even with gen set units.

NOTE: Generators may be tested to a Frequency or Voltage that is higher than advertised on the price list. A passed test at 60Hz indicates the product will meet and exceed the requirements of a 50Hz rating. A passed test at a higher voltage indicates the product will meet and exceed the requirements of the lower voltage rating.

USE REF OPTIONAL ATTACHMENTS Ship Weight List Price lbs At Factory

SPECIAL TESTS/REPORTS (CONT.)

Special Tests/Reports (Cont.)

X TVATRS2 GEN SET TORS VIB ANALYSIS 0 \$1,047 NET

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.
- Load demand curve on sets which have a load dependent variable rigidity coupling.
- 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, and generators).
- 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

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 a generator is not part of unit when engine is tested. See TSP0002. \$1,039 NET

Caterpillar: Confidential Green PSNA-EPG-F C

TSP0001

X

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight Ibs	List Price At Factory
SPE	CIAL TESTS	/REPORTS (CONT.)		
S	Special Tests	:/Reports (Cont.)		
x	TSP0002	GENSET FUEL CONSUMPTION TEST	when no with ngs, arters	\$1,039 NE
X	TRSENG1	STD ENGINE TEST CHARGE Test will be performed in accordance with 3L-0436 and m requested prior to factory build. The test takes about one There is no assurance that the engine will be tested at the specified in the order. Test results reported are: throttle position setting, full load turbocharger boost (if applicable), fuel rate at full load, lube oil pressure, RPM at rated speed and high idle.	ust be hour. rating	\$324 NE
SPE	CIAL PACKII	NG/INSPECTIONS FOR SHIPMENT		
E	xport Packir	ng		
X	DPX0001	DOMESTIC PACK-EXPORT CONTAINER	0	NC
		NOTE: CONTAINER SHIPMENTS - Charge per container a included in freight forwarding invoice. 40 ft. open top containers \$450 NET 40 ft. standard containers \$360 NET 20 ft. open top containers \$300 NET 20 ft. standard containers \$240 NET	dded to	
X	DPX0002	DOMESTIC PACK FOR EXPORT	oort shipment. and	NC
X	EXB0010	attachments (all models on rails		\$1,695 NE
X	EXP0003	PACK FOR AIR FREIGHT	0	NC
S	Shipment Pro	tection		
X	SWP0001	SHRINK WRAP PROTECTION	0	\$315 NE
X	SWPT002	SHRINK WRAP+ TARP-GENSET PKG	0	\$1,634 NE
S	Storage Prese	ervation		
x	SRP0014	PRESERVATION - CORROSION INHIB	d	\$939 NE

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight Ibs	List Price At Factory
SPEC	IAL PACKI	NG/INSPECTIONS FOR SHIPMENT (CONT.)		
i i I i	inspection by generators tra Includes visu	iscellaneous handling charges for customer-requested a private agency for inspection of engines, ansmissions and miscellaneous material. al inspection before boxing. No special test ort license number must be supplied to factory		
X	MISCHC1	SGS INSPECTION	0	\$432 NE
x	MISCHC2	S.G.S. inspection covers all contents of a given order. MISCELLANEOUS INSPECTION		\$432 NE
STAR	TING SYS	TEM		
1	Low maintena	- 24 Volt - Dry ance, high output. Jacket water mended for 10 second starting above 20 C (68 F).		
X	BAT2417	24 VOLT BATTERY SET - DRY Shipped loose. TECHNICAL: CCA rating 2600, 380 ampere hours.		\$2,536
x	BAT2418	Includes 4 batteries30 to -12 C (-22 to 24 VOLT BATTERY SET - DRY	0	\$1,762
X	BAT2401	24V BATTERY SET-DRY 1300 CCA	0	\$1,268
Ва	ttery Cable	es		
X	BTRCBL1	BATTERY CABLES/1880MM/74IN	0	\$164
Ва	ttery Rack	•		
x	BTR0022	2 BATTERY RACK/FLOOR		\$187

USE REF OPTIONAL ATTACHMENTS Ship Weight List Price lbs At Factory

GENERAL

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. Requires one emblem for each side of the engine.

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 7X1400.

AVAILABLE ONLY FROM PARTS DISTRIBUTION.

SVCE TOOLS/SHIP PROT/FACTORY SUPPORT

Factory Commissioning

X FACCOM1 FACTORY COMMISSIONING...... \$7,575 NET

Commissioning will be invoiced at \$1,400 per day, plus expenses, to the selling dealer. This \$7,000 Net charge will be deducted from the total cost of the commissioning.

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.

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PSNA-EPG-F C

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