

PKG. GEN SET WITH EMCP4 AND CAT ELECTRONIC GOVERNOR (6)
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 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.

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 of whether 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 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>). A CWS logon id is needed to

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TECHNICAL PERFORMANCE DATA (CONT.)

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 Power then select References/Sales Tools.

AIR INLET SYSTEM

Air Cleaner; single element canister type with service indicator.

CONTROL SYSTEM

EMCP 4 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
- Environmental sealed front face
- 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)
- 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)

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CONTROL SYSTEM (CONT.)

- 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

See TMI for heat rejection, air flow, and ambient capability information ATAAC.
Radiator fan and fan drive.
Fan and belt guards.
Coolant drain line with valve.
Low coolant level sensor.
Caterpillar Extended Life Coolant.

EXHAUST SYSTEM

EXHAUST MANIFOLD - DRY - SINGLE - 8 in.
203 mm (8 in) ID round flanged outlet.

FUEL SYSTEM

Primary fuel filter with water separator.
Secondary fuel filters.
Fuel cooler.
Fuel priming pump.

GENERATORS AND GENERATOR ATTACHMENTS

3 phase brushless, salient pole.
Integrated Voltage Regulator (IVR) - IVR includes reactive droop capability, 3 phase voltage sensing, PF control, maximum excitation limiter and line-loss compensation.
6 lead
Winding temperature detectors
LV:
Random wound
Internal Excitation
NEMA Class H insulation, Class H temperature rise at 40C ambient (125C prime/150C standby).
Reactive droop.
Bus bar connections, top center mounted, top cable entry.
60 Hz models: NEMA standard hole pattern.
50 Hz models: IEC standard hole pattern.
MV:

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GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

- Form Wound
- Permanent Magnet
- Winding temperature detectors
- NEMA Class H insulation, Class H temperature rise at 40C ambient (125C prime/150C standby).
- Bus bar connections, right side extension box, bottom cable entry.
- 60 Hz models: NEMA standard hole pattern.
- 50 Hz models: IEC standard hole pattern

GOVERNING SYSTEM

ADEM(tm) A4

LITERATURE

English

LUBE SYSTEM

- Lubricating oil.
- Gear type lube oil pump.
- Integral lube oil cooler.
- Oil filter, filler and dipstick.
- Oil drain lines and valve.
- Fumes disposal.

MOUNTING SYSTEM

- Rails - engine/generator/radiator mounting.
- Rubber anti-vibration mounts (shipped loose).

STARTING/CHARGING SYSTEM

- 24-volt electric starting motor.
- 45 amp charging alternator.
- Battery, rack and cables.
- Battery disconnect switch.

GENERAL

- Paint: Caterpillar Yellow with high gloss black rails & radiator.
- RH Service.
- Flywheel and flywheel housing-SAE No. 0 with SAE No. 0 to 00 adapter. SAE Standard Rotation.

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**50 HZ, 1500 RPM; 400 VOLT; 3 PHASE;
STANDBY, PRIME or CONTINUOUS.**

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6	C32DE57	C32 50 HZ PGS 0 Standby = 1250 kVA, Prime = 1100kVA Engine = C32. Cooling System = ATAAC, Radiator = AB27.5 CT (0.718). Radiator Ambient = Maximum 50C (122F), 300M (984ft) @ Standby Rating. Generator Argt = 432-6122, Frame = 1424, No. of Bearings = 1. Generator Winding = RW, No. of Leads = 6, Pitch = .667. Gen Temp Rise: Standby = 150C, Prime = 125C Lube System: 99L oil pan is standard.	\$237,116
6	C32DE58	C32 50 HZ PGS 0 Standby = 1100 kVA, Prime = 1000 kVA, Continuous = 910 kVA. Engine = C32. Cooling System = ATAAC, Radiator = AB27.5 CT (0.718). Radiator Ambient = Maximum 54C (129F), 300M (984ft) @ Standby Rating. Generator Argt = 432-6118, Frame = 1402, No. of Bearings = 1. Generator Winding = RW, No. of Leads = 6, Pitch = .667. Generator Winding: RW (Low Voltage), FW (Medium Voltage). FW is recommended for Prime, Continuous, Critical, Harsh, or Dirty Environment applications, as well as applications with high load factor, harmonic inducing or non-linear loading). Gen Temp Rise: Standby = 150C, Prime = 125C, Lube System: 99L oil pan is standard.	\$206,724
6	C32DE59	C32 60 HZ PGS 0 Standby = 1000 kW, Prime = 910 kW, Continuous = 830 kW. Engine = C32. Cooling System = ATAAC, Radiator = AB27.5 CT (0.625). Radiator Ambient = Maximum 53C (127F), 300M (984ft) @ Standby Rating. Generator Argt = 432-6118, Frame = 1402, No. of Bearings = 1. Generator Winding = RW, No. of Leads = 6, Pitch = .667. Generator Winding: RW (standard), FW (Medium Voltage). FW is recommended for Prime, Continuous, Critical, Harsh or Dirty Environment applications, as well as applications with high load factor, harmonic inducing or non-linear loading). Gen Temp Rise: Standby = 125C, Prime = 105C, Continuous = 80C. Lube System: 99L oil pan is standard.	\$205,449

60 HZ, 1800 RPM; EPA Stationary Emergency (EPA Tier 2 emissions levels). EPA certified for stationary use only during defined emergency conditions. Outside EPA-regulated territories and in Guam, American Samoa or the commonwealth of the Northern Mariana Islands, these restrictions do not apply.

480 VOLT; 3 PHASE; STANDBY, PRIME or CONTINUOUS

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6	C32DE60 C32 60 HZ PGS 0	\$225,500
	Standby = 1000 kW, Prime = 910 kW, Continuous = 830 kW. Engine = C32. Cooling System = ATAAC, Radiator = AB27.5 CT (0.625). Radiator Ambient = Maximum 53C(127F), 300M(984ft) @ Standby Rating. Generator Argt = 432-6118, Frame = 1402, No. of Bearings = 1. Generator Winding = RW, No. of Leads = 6, Pitch = .667. Generator Winding: RW (standard), FW (Medium Voltage). FW is recommended for Prime, Continuous, Critical, Harsh, or Dirty Environment applications, as well as applications with high load factor, harmonic inducing or non-linear loading). Gen Temp Rise: Standby = 125C, Prime = 105C, Continuous = 80C. Lube System: 68L oil pan is standard.	

Reference Configurations:

6	C32DR57 C32 50HZ LOW BSFC 0	\$166,972
	Reference configuration for C32DE57 LS3109 Standby = 1250 kVA, Prime = 1100kVA	
6	C32DR58 C32 50HZ LOW BSFC 0	\$140,695
	Reference configuration for C32DE58 LS3110 Standby = 1100 kVA, Prime = 1000 kVA, Continuous = 910 kVA.	
6	C32DR59 C32 60HZ LOW BSFC 0	\$139,367
	Reference configuration for C32DE59 LS3111 Standby = 1000 kW, Prime = 910 kW, Continuous = 830 kW.	
6	C32DR60 C32 60HZ EPA TIER 2 0	\$159,418
	Reference configuration for C32DE60 LS3112 Standby = 1000 kW, Prime = 910 kW, Continuous = 830 kW.	

50 Hz Reference Configurations

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Standard Configurations:

	Feature	Feature	Feature	Feature
REF PACKAGE	C32DE57	C32DE58	C32DE59	C32DE60
PACKAGE	C32DR57	C32DR58	C32DR59	C32DR60
GENERATOR	OGNAR73	OGNAR72	OGNAR72	OGNAR72
BASE GP-ENGINE	STDBSE2	STDBSE2	STDBSE2	STDBSE2
BATTERY	BAT2431	BAT2431	BAT2431	BAT2431
EMCP4.2 CONTROLS	EMCP42	EMCP42	EMCP42	EMCP42
REAR CONTROL MTG	UIPBBHS	UIPBBHS	UIPBBHS	UIPBBHS
LINES GP-AIR	ACL0025	ACL0017	ACL0017	ACL0017
ELEK GP-A60001	ENGGEN1	ENGGEN1	ENGGEN1	ENGGEN1
COVER GP-SIDE	CVR0010	CVR0010	CVR0010	CVR0010
COVER PG(ANNUNC)	CVR0017	CVR0017	CVR0017	CVR0017
BUS BAR	BUSB001	BUSB001	BUSB002	BUSB002
RADIATOR	RAD009	STD RAD	STD RAD	STD RAD
COOLANT	COOL001	COOL001	COOL001	COOL001
AUXILIARY PLATE	AUXPNLL	AUXPNLL	AUXPNLL	AUXPNLL
COVER GP-REAR	CVR0013	CVR0013	CVR0013	CVR0013
PLUG GP-PNL LIGHT	PLUG004	PLUG004	PLUG004	PLUG004
AC/DC CTRL PNL LOC	CUSTCNR	CUSTCNR	CUSTCNR	CUSTCNR
NO SA ENCLOSURE	NOENCL1	NOENCL1	NOENCL1	NOENCL1
NO ENCLOSURE REAR	NOENCPB	NOENCPB	NOENCPB	NOENCPB
NO ENCLOSURE LEFT	NOENCPL	NOENCPL	NOENCPL	NOENCPL
NO ENCLOSURE RIGHT	NOENCPR	NOENCPR	NOENCPR	NOENCPR
IVR GP EMCP4.2 LV	DVR0005	DVR0005	DVR0005	DVR0005
STD PKG ISOLATORS	VIBIS47	VIBI67	VIBI67	VIBI67
STD RAD ISOLATORS	-----	VIBI68	VIBI68	VIBI68

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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EMISSION CERTIFICATION

C32 Configurations

6	EMISSNS	LOW EMISSIONS CONFIGURATION	0	NC
6	LOWBSFC	LOW BSFC CONFIG--NON-CERTIFIED	0	NC
6	OTHREG0	OTHER REGULATED AREAS LABEL OTHER REGULATED AREAS LABEL For use in areas other than those requiring EPA or EU certification WHEN ORDERED ON CHINA STAGE III CERTIFIED ENGINE, (UPON COMPLETION OF CERTIFICATION), WILL INCLUDE CHINA STAGE III CERTIFIED INFORMATION.	0	NC
6	CERTESE	EPA STATIONARY EMERGENCY EPA certified for stationary use only during defined emergency conditions. Outside EPA-regulated territories and in Guam, American Samoa or the Commonwealth of the Northern Mariana Islands, these restrictions do not apply.	0	NC

UL2200 LISTING

UL Standard of Safety for Stationary Engine Generator Assemblies of 600 volts or less REQUIRE:
 - UL-approved voltage regulator.
 * Select generator with a temp rise of 125 C or less.
 - Neutral ground connection.
 - Manifold & turbocharger guard (GRD0007, GRD0008 or GRD0012).
 * Not for use with IEC rated breakers.
 * Not available on 50 Hz generator sets
 MUST SELECT AT LEAST ONE:

6	ULLIST	UL 2200 LISTED PACKAGE GEN SET	0	\$173 NET
6	ENCULL1	ENCLOSURE UL LISTING REQUIRES: ULLIST ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74	0	\$173 NET
6	NONULL	NON-UL2200 LISTED GENSET	0	NC

VOLTAGE INDICATORS

All package genset orders require a voltage be specified. Choose the appropriate voltage feature code from the following list based on frequency and generator arrangement being ordered.
 NOTE: Check GENERATOR ONLY, MAXIMUM KW RATING in the RATINGS pages to ensure generator does not require derating at requested voltage.

50 Hertz Voltage Indicators

6	50H0400	400V, WYE CONNECTION, 50HZ TECHNICAL: Wye connection.	0	NC
6	50H0415	415V, WYE CONNECTION, 50HZ	0	NC

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VOLTAGE INDICATORS (CONT.)

50 Hertz Voltage Indicators (Cont.)

6	50H3300	VOLTAGE INDICATOR 3300V (WYE) 0 TECHNICAL: Wye connection. REQUIRES: BUSBM01		NC
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60 Hertz Voltage Indicators

6	60H0480	480V, Wye Connection, 60Hz 0 TECHNICAL: Wye connection.		NC
6	60H0220	220V, Wye Connection, 60Hz 0 TECHNICAL: Wye connection. REQUIRES: Low Voltage Connection LOVLTC1.		NC
6	60H0240	240V, Wye Connection, 60Hz 0 TECHNICAL: Wye connection. REQUIRES: Low Voltage Connection LOVLTC1.		NC
6	60H0380	380V, Wye Connection, 60Hz 0 TECHNICAL: Wye connection.		NC
6	60H0400	VOLTAGE INDICATOR 400V (WYE) 0 TECHNICAL: Wye connection.		NC
6	60H0600	VOLTAGE INDICATOR 600V 0 TECHNICAL: Wye connection.		NC
6	60H2400	VOLTAGE INDICATOR 2400 VOLT 0 TECHNICAL: Delta connection. REQUIRES: SR5 4160 volt wye generator. Delta connection or Custom Quote. BUSBM01		NC
6	60H4160	VOLTAGE INDICATOR 4160V (Wye) 0 TECHNICAL: Wye connection. REQUIRES: BUSBM01		NC

Special Voltage Indicators

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

6	PRIMEPA	PRIME POWER APPLICATION 0		NC
6	STANDBY	STANDBY POWER APPLICATION 0		NC
6	CONTINU	CONTINUOUS POWER APPLICATION 0 For application at continuous rating.		NC
6	MISCRIT	MISSION CRITICAL POWER 0 For application at mission critical standby rating.		NC

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MARKET SEGMENTATION

Select one code to define expected end use.

6	MSEPASP	EP-ADDED SCOPE PRODUCT 0 All Gensets Utilized in the generation of Electrical Power that are sold with added scope. Typically added scope can be customerized enclosures, co-generation systems and/or electrical controls. This category is dealing with the highly customized solutions that are not included in the standard Caterpillar price list. The added scope is invoiced to dealers through supplemental invoices tied the original ESO. This category is a further definition of the general EPG category and should not be used in conjunction with General EPG, Power Modules, Rental, EP Non-Rental(enclosed) nor for Petroleum, Locomotive, Marine, Industrial or Trucks.	0	NC
6	MSEPGGN	END USE: GENERAL EPG 0 All generator (including component parts to assemble the same) and renewables utilized in the generation of electrical power for general residential, commerical utility, 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.	0	NC
6	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
6	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
6	MSPMDXQ	END USE: RENTAL EPG 0 All generator sets (diesel and gas) utilized in the generation of electrical power for the application "RENTAL." This includes all standard open and enclosed products that will support dealer rental fleets as well as specific EP Rental products (XQ & XQE). This category should not be used for Diesel & Gas EPG (nonrental), Petroleum, Locomotive, or Marine electric power applications. Please ensure the selected unit complies with regional emission standards.	0	NC

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ENGINE RATING AND SPEED

Select one of the following ratings.

50 Hertz

6	KV00910	910 KVA W/FAN	0	NC
		ONLY FOR USE WITH: Continuous		
6	KV01000	1000 KVA W/FAN	0	NC
		ONLY FOR USE WITH: Prime		
6	KV01100	1100 KVA W/FAN	0	NC
		ONLY FOR USE WITH: Standby		
	KV01250	1250 KVA W/FAN	0	NC
		ONLY FOR USE WITH: Standby, Prime		

60 Hertz

6	KW00830	830 EKW W/FAN	0	NC
		ONLY FOR USE WITH: Continuous		
6	KW00910	910 EKW W/FAN	0	NC
		ONLY FOR USE WITH: Prime		
6	KW01000	1000 EKW W/FAN	0	NC
		ONLY FOR USE WITH: Standby		
6	PSTSPCL	SPECIAL SETTING REQUEST	0	NC
		ONLY FOR USE WITH: Prime		

AIR INLET SYSTEM

Air Cleaners - Standard

6	ACL0017	AIR CLEANER STANDARD	0	\$2,016
		DEFAULT OFFERING		
		ONLY FOR USE WITH: C32DR58 C32DR59 C32DR60		
		CANNOT BE USED WITH: C32DR57		
6	ACL0025	AIR CLEANER STANDARD	0	\$2,016
		DEFAULT OFFERING		
		ONLY FOR USE WITH: C32DR57		
		CANNOT BE USED WITH: C32DR58 C32DR59 C32DR60		

Air Cleaners - Dual Element

6	ACLDE15	AIR CLEANER - DUAL ELEMENT	0	\$2,518
		REMOVES: ACL0017		
		ONLY FOR USE WITH: C32DR58 C32DR59 C32DR60		
		CANNOT BE USED WITH: Heavy Duty Air Cleaners ACLHD16 C32DR57		
6	ACLDE49	AIR CLEANER - DUAL ELEMENT	0	\$2,518
		REMOVES: ACL0025		
		ONLY FOR USE WITH: C32DR57		
		CANNOT BE USED WITH: Heavy Duty Air Cleaners ACLHD70 C32DR58 C32DR59 C32DR60		

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AIR INLET SYSTEM (CONT.)

Air Cleaners - Heavy Duty

Includes dual element air cleaners (installed) and pre-cleaners (installed).

6	ACLHD16	AIR CLEANER - HEAVY DUTY 0 REMOVES: ACL0017 ONLY FOR USE WITH: C32DR58 C32DR59 C32DR60 CANNOT BE USED WITH: Dual Element Air Cleaners ACLDE15 C32DR57		\$3,592
6	ACLHD70	AIR CLEANER - HEAVY DUTY 0 REMOVES: ACL0025 ONLY FOR USE WITH: C32DR57 CANNOT BE USED WITH: Dual Element Air Cleaners ACLDE49 C32DR58 C32DR59 C32DR60		\$3,592

Seismic Certifications

6	IBCCERT	IBC CERTIFICATION 0 Provides IBC Seismic labeling for open generator set, optional fuel tank bases, and optional enclosure. Also includes IBC certification for 120 mph wind loading for the optional enclosure. REQUIRES: VIBIS49 (isolators) except when SA enclosure (ENCSA72, ENCSA73, ENCSA74) is selected.		\$1,699 NET
6	IBCOSH1	OSHPD CERTIFICATION 0 Provides IBC Seismic labeling and OSHPD pre-approval labeling for open generator sets, optional fuel tank bases, and optional enclosure. REQUIRES: VIBIS49 (isolators) except when SA enclosure (ENCSA72, ENCSA73, ENCSA74) is selected. CANNOT BE USED WITH: FTBDW6X		\$5,463 NET

EUROPEAN CERTIFICATIONS

European Union Certifications

6	EUDGDOC	EU Declaration of Conformity 0 TECHNICAL: Provides Declaration of Conformity document per 2006/42/EC (Machinery Safety Directive), and 2006/95/EC (Low Voltage Safety Directive). The Declaration of Conformity allows free movement of goods in the EU per the Machinery Safety Directive, 2006/42/EC, and references demonstrated compliance to other applicable directives. Includes CE mark. REQUIRES: Emergency genset applications. 50 Hz PGS and Soft wrap insulation on ATTAC & Exhaust Manifold & Guard or Soft wrap Turbocharger Guard GRD0008, or GRD0012; Caterpillar-supplied radiator (maybe shipped loose); and neutral grounding connection. ONLY FOR USE WITH: Low voltage packages. CANNOT BE USED WITH: ULLIST, 60Hz NOTE: For ATEX applications, contact Application Support.		\$271 NET
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EUROPEAN CERTIFICATIONS (CONT.)

European Union Certifications (Cont.)

6	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 - Selection one.

Provides nameplate and decals in specified language. To order additional literature go to <https://oos.midlandcorp.com/cat>. For other Language Options, contact Marketing Profit Center.

6	LANENGO	LANGUAGE MARKINGS-ENGLISH 0 **DEFAULT OFFERING**		NC
6	DECARAB	ARABIC DECALS 0		NC
6	DECCHIN	CHINESE DECALS 0 Generator nameplate provided in English - not available in Chinese.		NC
6	DECDANI	DANISH DECALS 0		NC
6	DECDUTC	DUTCH DECALS 0		NC
6	DECFINN	LANGUAGE MARKINGS-FINNISH 0		NC
6	DECFREN	FRENCH DECALS 0		NC
6	DECGERM	GERMAN DECALS 0		NC
6	DECGREE	GREEK DECALS 0		NC
6	DECITAL	ITALIAN DECALS 0		NC
6	DECJAPA	JAPANESE DECALS 0 Generator nameplate provided in English; not available in Japanese.		NC
6	DECPORT	PORTUGUESE DECALS 0		NC
6	DECRUSS	RUSSIAN DECALS 0		NC
6	DECSPAN	SPANISH DECALS 0		NC
6	DECSWED	SWEDISH DECALS 0		NC

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LANGUAGE OPTIONS (CONT.)

Language Options - Selection one. (Cont.)

6	DECTURK	LANGUAGE MARKINGS-TURKISH 0 Operator's manual is provided in Turkish; nameplate and decals are provided in English.		NC
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EXTENDED SERVICE COVERAGE

Extended Service Coverage (ESC) for 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.

Lane02

6	ECI2DN1	PLATINUM COVERAGE 0 Prime/Continuous: 24 months, 1,500 hours, \$0 deductible		\$2,300 NET
6	ECM2DN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 24 months, 1,500 hours, \$0 deductible		\$2,630 NET
6	ECI2EN1	PLATINUM COVERAGE 0 Prime/Continuous: 24 months, 2,000 hours, \$0 deductible		\$2,990 NET
6	ECM2EN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 24 months, 2,000 hours, \$0 deductible		\$3,420 NET
6	ECI2FN1	PLATINUM COVERAGE 0 Prime/Continuous: 24 months, 2,500 hours, \$0 deductible		\$3,640 NET
6	ECM2FN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 24 months, 2,500 hours, \$0 deductible		\$4,160 NET
6	ECI2IN1	PLATINUM COVERAGE 0 Prime/Continuous: 24 months, 4,000 hours, \$0 deductible		\$5,410 NET
6	ECM2IN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 24 months, 4,000 hours, \$0 deductible		\$6,180 NET
6	ECI3EN1	PLATINUM COVERAGE 0 Prime/Continuous: 36 months, 2,000 hours, \$0 deductible		\$4,290 NET
6	ECM3EN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 36 months, 2,000 hours, \$0 deductible		\$4,910 NET
6	ECI3GN1	PLATINUM COVERAGE 0 Prime/Continuous: 36 months, 3,000 hours, \$0 deductible		\$6,030 NET
6	ECM3GN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 36 months, 3,000 hours, \$0 deductible		\$6,890 NET
6	ECI3IN1	PLATINUM COVERAGE 0 Prime/Continuous: 36 months, 4,000 hours, \$0 deductible		\$7,560 NET
6	ECM3IN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 36 months, 4,000 hours, \$0 deductible		\$8,640 NET
6	ECI3MN1	PLATINUM COVERAGE 0 Prime/Continuous: 36 months, 6,000 hours, \$0 deductible		\$10,130 NET
6	ECM3MN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 36 months, 6,000 hours, \$0 deductible		\$11,580 NET

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
EXTENDED SERVICE COVERAGE (CONT.)				
<i>power systems. (Cont.)</i>				
6	ECI4FN1	PLATINUM COVERAGE 0 Prime/Continuous: 48 months, 2,500 hours, \$0 deductible		\$6,380 NET
6	ECM4FN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 48 months, 2,500 hours, \$0 deductible		\$7,290 NET
6	ECI4HN1	PLATINUM COVERAGE 0 Prime/Continuous: 48 months, 3,500 hours, \$0 deductible		\$8,330 NET
6	ECM4HN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 48 months, 3,500 hours, \$0 deductible		\$9,520 NET
6	ECI4KN1	PLATINUM COVERAGE 0 Prime/Continuous: 48 months, 5,000 hours, \$0 deductible		\$10,810 NET
6	ECM4KN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 48 months, 5,000 hours, \$0 deductible		\$12,350 NET
6	ECI4NN1	PLATINUM COVERAGE 0 Prime/Continuous: 48 months, 8,000 hours, \$0 deductible		\$14,620 NET
6	ECM4NN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 48 months, 8,000 hours, \$0 deductible		\$16,700 NET
6	ECI5GN1	PLATINUM COVERAGE 0 Prime/Continuous: 60 months, 3,000 hours, \$0 deductible		\$8,670 NET
6	ECM5GN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 60 months, 3,000 hours, \$0 deductible		\$9,910 NET
6	ECI5MN1	PLATINUM COVERAGE 0 Prime/Continuous: 60 months, 6,000 hours, \$0 deductible		\$14,210 NET
6	ECM5MN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 60 months, 6,000 hours, \$0 deductible		\$16,240 NET
6	ECI5QN1	PLATINUM COVERAGE 0 Prime/Continuous: 60 months, 10,000 hours, \$0 deductible		\$19,110 NET
6	ECM5QN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 60 months, 10,000 hours, \$0 deductible		\$21,840 NET
6	ECI5RN1	PLATINUM COVERAGE 0 Prime/Continuous: 60 months, 12,000 hours, \$0 deductible		\$20,910 NET
6	ECM5RN1	PLATINUM PLUS COVERAGE 0 Prime/Continuous: 60 months, 12,000 hours, \$0 deductible		\$23,900 NET
6	ECB3DN1	SILVER COVERAGE 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$460 NET
6	ECF3DN1	GOLD COVERAGE 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$690 NET
6	ECJ3DN1	PLATINUM COVERAGE 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$810 NET
6	ECN3DN1	PLATINUM PLUS COVERAGE 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$920 NET
6	ECB4EN1	SILVER COVERAGE 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$840 NET
6	ECF4EN1	GOLD COVERAGE 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$1,260 NET
6	ECJ4EN1	PLATINUM COVERAGE 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$1,470 NET
6	ECN4EN1	PLATINUM PLUS COVERAGE 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$1,680 NET
6	ECB5FN1	SILVER COVERAGE 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$1,330 NET
6	ECF5FN1	GOLD COVERAGE 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$2,000 NET
6	ECJ5FN1	PLATINUM COVERAGE 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$2,330 NET

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
EXTENDED SERVICE COVERAGE (CONT.)				
<i>power systems. (Cont.)</i>				
6	ECN5FN1	PLATINUM PLUS COVERAGE Standby: 60 months, 2,500 hours, \$0 deductible	0	\$2,670 NET
6	ECB0KN1	SILVER COVERAGE Standby: 120 months, 5,000 hours, \$0 deductible	0	\$5,700 NET
6	ECF0KN1	GOLD COVERAGE Standby: 120 months, 5,000 hours, \$0 deductible	0	\$8,550 NET
6	ECJ0KN1	PLATINUM COVERAGE Standby: 120 months, 5,000 hours, \$0 deductible	0	\$9,970 NET
6	ECN0KN1	PLATINUM PLUS COVERAGE Standby: 120 months, 5,000 hours, \$0 deductible	0	\$11,390 NET
NO ESC				
6	ESCNONE	NO EXTENDED SERVICE COVERAGE	0	NC

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

Extension Box Compatibility Rules

1. Circuit breakers are not available for MV.
2. Standard load take-off buss bars for low voltage (LV) and medium
 - a. 60 Hz - NEMA standard hole configuration.
 - b. 50 Hz - IEC standard hole configuration.
3. Top Cable entry on the rear, TOPCBLB, cannot be used with Rear Mounted EMCP4 Panel UIPBBHS, Customer Connection Panel CUSTCNB, Auxiliary Box AUXBOXB, Speed Control Governor GOVBOXB, Load Share Module LSMBOXB, or Load Share Governor LSGBOXB.
4. Top Cable entry on the right, TOPCBLR, cannot be used with Right Mounted EMCP4 Panel UIPBRHS, Customer Connection Panel CUSTCNR, Auxiliary Box AUXBOXR, Speed Control Governor GOVBOXR, Load Share Module LSMBOXR, or Load Share Governor LSGBOXR.
5. Top Cable entry on the left, TOPCBLL, cannot be used with Left Mounted EMCP4 Panel UIPBLHS, Customer Connection Panel CUSTCNL, Auxiliary Box AUXBOXL, Speed Control Governor GOVBOXL, Load Share Module LSMBOXL, or Load Share Governor LSGBOXL.

For low voltage (LV):

1. Standard load take-off provisions are center post buss bars.
2. You must choose the multi hole center post buss bar BUSCB1 when a side or rear mounted buss bar or breaker is chosen.
3. An empty enclosure may be selected for any location (right, left, rear) without a power connection.
4. A maximum of two power connections may be selected (1 buss bar (1 buss bar & 1 circuit breaker or 2 circuit breakers):
 - a. A maximum of one connection (empty enclosure, buss bar or breaker) per location (right, left, rear).
 - b. A maximum of ONE load take-off buss bar may be selected.
 - c. A maximum of TWO circuit breakers may be selected.

For medium voltage (MV):

1. Standard load take-off provisions are right hand mounted load take-off buss bars.
2. The load take-off buss bar can be moved to the left hand mount.
 - a. Add BUSBM6L or BUSBM5L.
 - b. The load take-off bus cannot be moved to the rear location.
3. Requires Removal of the Standard Low Voltage Buss Bars.

Load Take-Off...Low-Voltage, NEMA Standard-Hole

BUSBRSN, BUSBLSN, BUSBBSN provide 5000A, low-voltage bus bar connections with NEMA standard-hole pattern for load take-off. For use with low voltage generators.

6	BUSBRSN	RIGHT-HAND MOUNTED POWER CONN 0 5000A LV busbar power connections (NEMA). REMOVES BUSB002 REQUIRES: Center Post Buss Bar Addition BUSCB14.	\$2,297
6	BUSBLSN	LEFT-HAND MOUNTED POWER CONN 0 5000A LV busbar power connections (NEMA). REMOVES BUSB002 REQUIRES: Center Post Buss Bar Addition BUSCB14.	\$2,297

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

Load Take-Off...Low-Voltage, NEMA Standard-Hole (Cont.)

6	BUSBBSN	REAR MOUNTED POWER CONN 0 5000A LV busbar power connections (NEMA). REMOVES BUSB002 REQUIRES: Center Post Buss Bar Addition BUSCB14.		\$3,513
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Load Take-Off ... Low-Voltage, IEC Standard-Hole

BUSBRSI, BUSBBSI provide 5000A, low-voltage bus bar connections with IEC standard-hole pattern for load take-off. For use with low voltage generators.

K	BUSBRSI	RIGHT-HAND MOUNTED POWER CONN 0 5000A LV busbar power connections (IEC). REMOVES BUSB001 REQUIRES: Center Post Buss Bar Addition BUSCB14		\$2,297
6	BUSBBSI	REAR MOUNTED POWER CONN 0 5000A LV busbar power connections (IEC). REMOVES BUSB001d Center Post Buss Bar Addition BUSCB14. REQUIRES: Center Post Buss Bar Addition BUSCB14		\$3,398

CENTER POSTS BUSS BARS

LANE02

6	BUSB001	CENTERPOST 5000A LV BUSS-MULTI 0 **DEFAULT OFFERING (50Hz)**		\$1,370
6	BUSB002	NEMA LV BB CONNECT-1400 FRAME 0 **DEFAULT OFFERING (60Hz)**		\$1,424

CENTER POSTS BUSS BARS (REQUIRED ADDITIONS FOR LV)

The following center posts buss bars must be chosen if optional buss bar power connection or circuit breaker is selected.

6	BUSCB14	1400 FRAME BUS ADDITION 0 REMOVES BUSB001 for 50Hz or BUSB002 for 60Hz. TECHNICAL: 5000A LV buss bar power connections. ONLY FOR USE WITH: Side or rear mounted power connections.		\$1,044
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Load Take-Off...Medium-Voltage, NEMA Standard-Hole

BUSM6RH, BUSBM6L provide 1000A, medium-voltage bus bar connections with NEMA standard-hole pattern for load take-off. For use with medium-voltage generators.

6	BUSM6RH	RIGHT-HAND MOUNTED POWER CONN 0 5000A LV busbar power connections (NEMA). REMOVES BUSB002		\$1,926
6	BUSBM6L	LEFT-HAND MOUNTED POWER CONN 0 5000A MV busbar power connections (NEMA). REMOVES BUSB002		\$2,170

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

Load Take-Off...Medium-Voltage, IEC Standard-Hole

BUSBM5L provide 1000A, medium-voltage bus bar connections with IEC standard-hole pattern for load take-off. For use with medium-voltage generators.

6	BUSBM5L	LEFT-HAND MOUNTED POWER CONN 0 5000A MV busbar power connections (IEC). REMOVES BUSB001		\$2,170
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Medium Voltage-Buss Bar Cable Connections

6	BUSBM01	MEDIUM VOLTAGE-BUSS BAR CABLE 0 REQUIRED with all MV generators		\$1,931
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Cable Entry Location - Mandatory Selection

One of the following cable entry location indicators must be selected to indicate rear, right side or left side orientation for top and bottom cable entry points. Must choose either top cable or bottom cable entry for each side having a power connection. Entry must be the same for all three sides. Top Cable Entry - Center Post is Standard.

6	BOTCBRL	BOTTOM CABLE ENTRY-RH 0 Right side bottom cable entry w/o shroud.		\$160
6	BOTCBLL	BOTTOM CABLE ENTRY-LH 0 Left side bottom cable entry w/o shroud.		\$160
6	BOTCBLB	BOTTOM CABLE ENTRY-REAR 0 Rear/back bottom cable entry w/o shroud.		\$260
6	TOPCBRL	TOP CABLE ENTRY-RIGHT SIDE 0		\$160
6	TOPCBLL	TOP CABLE ENTRY-LEFT SIDE 0		\$160
6	TOPCBLB	TOP CABLE ENTRY-LEFT 0		\$260

Shroud

Adds sheet metal shroud for bottom cable entry.

6	SHROUDR	BOTTOM RIGHT SHROUD 0 CANNOT BE USED WITH: Top cable entry TOPCBRL, TOPCBLL or TOPCBLB.		\$904
6	SHROUDL	BOTTOM LEFT SHROUD 0 CANNOT BE USED WITH: Top cable entry TOPCBRL, TOPCBLL or TOPCBLB.		\$904
6	SHROUDB	BOTTOM REAR SHROUD 0 CANNOT BE USED WITH: Top cable entry TOPCBRL, TOPCBLL or TOPCBLB.		\$588

Cable Support

Automatic Selection based on Circuit Breaker and/or BusBar Location

6	SUPCBL1	SUPPORT GROUP 0 Required with low voltage and right or left mounted power connection (breaker or busbar) CANNOT BE USED WITH: Rear Connection		\$491
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CIRCUIT BREAKERS (CONT.)

Power Connection Covers

Required selections will be automatically driven by ISA/PSQ.
Covers are required for left/right/rear locations when a breaker is not selected.

6	CVR0010	COVER GROUP-SIDE-QTY 2 0 ** DEFAULT OFFERING ** Provides two side covers. CANNOT BE USED WITH: RH or LH breaker.		\$424
6	CVR0011	COVER GROUP-SIDE-QTY 1 0 REMOVES CVR0010 Provides 1 side cover. ONLY FOR USE WITH: One RH or one LH breaker.		\$212
6	CVR0013	COVER GP-REAR-QTY 1 0 ** DEFAULT OFFERING ** Provides 1 rear cover. CANNOT BE USED WITH: Rear breaker.		\$289
6	CVR0012	COVER GP-SIDE-QTY 0 0 No side cover REMOVES CVR0010 ONLY FOR USE WITH: RH and LH breaker.		NC
6	CVR0014	COVER GP REAR-QTY 0 0 No rear cover. REMOVES CVR0013 ONLY FOR USE WITH: Rear breaker.		NC

Enclosures - Controls Packaging

Required if low voltage, left or right or rear power connection is not selected.

Cable Support

Automatic Selection based on Circuit Breaker and/or BusBar Location

6	SUPCBL1	SUPPORT GROUP 0 Required with low voltage and right or left mounted power connection breaker or Bus Bar) CANNOT BE USED WITH: Rear Connection		\$491
6	EMPTYPR	RIGHT SIDE EXTENSION BOX 0 Right side empty enclosure. REMOVES NOENCPR CANNOT BE USED WITH: Right side buss bar, right side breaker or right side empty enclosure w/shroud.		\$1,214
6	EMPTYSR	EMPTY ENCLOSURE-RH W/SHROUD 0 Right side empty enclosure w/bottom shroud. REMOVES NOENCPR CANNOT BE USED WITH: Right side buss bar, right side breaker or right side empty enclosure.		\$1,954
6	NOENCPR	NO ENCLOSURE RH 0 ** DEFAULT OFFERING ** TECHNICAL: Drives no right side extension box or side enclosure. CANNOT BE USED WITH: Right side buss bar, right side breaker, right side empty enclosure or right side empty enclosure w/shroud.		NC

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

Enclosures - Controls Packaging (Cont.)

LEFT SIDE

6	EMPTYPL	LEFT SIDE EXTENSION BOX 0 Left side empty enclosure. REMOVES NOENCPL CANNOT BE USED WITH: Left side buss bar, left side breaker or left side empty enclosure w/shroud.	0	\$1,214
6	EMPTYSL	EMPTY ENCLOSURE-LH W/SHROUD 0 Left side empty enclosure w/bottom shroud. REMOVES NOENCPL CANNOT BE USED WITH: Left side buss bar, right side breaker or left side empty enclosure.	0	\$1,917
6	NOENCPL	NO ENCLOSURE-LH 0 ** DEFAULT OFFERING ** Left side no enclosure. TECHNICAL: Drives no left side extension box or side enclosure. CANNOT BE USED WITH: Left side buss bar, left side breaker, left side empty enclosure or left side empty enclosure w/shroud.	0	NC
6	EMPTYPB	REAR EXTENSION BOX 0 Rear/back empty enclosure. REMOVES NOENCPB CANNOT BE USED WITH: Rear/back buss bar, rear/back breaker or rear/back empty enclosure w/shroud.	0	\$2,345
6	EMPTYSB	EMPTY ENCLOSURE-REAR W/SHROUD 0 Rear/Back empty enclosure w/bottom shroud. REMOVES NOENCPB CANNOT BE USED WITH: Rear/back buss bar, rear/back breaker or rear/back empty enclosure.	0	\$2,786
6	NOENCPB	NO ENCLOSURE-REAR 0 No rear/back enclosure. REMOVES NOENCPB TECHNICAL: Drives no rear/back extension box or rear/back enclosure. CANNOT BE USED WITH: Rear/back buss bar or rear/back breaker or rear/back empty enclosure.	0	NC

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

Trip Units

- LSO Long-Time, Short-Time, No Delay (IEC rated only).
Ground trip units include an external sensor, shipped loose, for customer mounting.
- LSI Long-Time, Short-Time, Instantaneous.
Ground trip units include an external sensor, shipped loose, for customer mounting.
- LSI-P Long-Time, Short-Time, Instantaneous, Ground Fault Annunciate.
Ground trip units include an external sensor, shipped loose, for customer mounting.
- LSIG Long-Time, Short-Time, Instantaneous, Ground Fault Protect.
Ground trip units include an external sensor, shipped loose, for customer mounting.
- LSIG-P Long-Time, Short-Time, Instantaneous, Ground Fault Protect, Ground Fault Annunciate.
Ground trip units include an external sensor, shipped loose, for customer mounting.

Breaker Type

- MCCB Molded Case Circuit Breaker
- ICCB Insulated Case Circuit Breaker

Breaker Operation

- MO Motor Operated
- EO Electrically Operated - Provides five-cycle close capability.

Feature Code Template

The following chart may be referenced to determine circuit breaker features by the listed feature code:

1st Digit	Frame
-----	-----
N	L Frame
P	P Frame
R	R Frame
M	MasterPact - Fixed Mount
2nd Digit	Operation
-----	-----
M	MANUALLY OPERATED
E	ELECTRICALLY OPERATED
3rd Digit	Trip Unit
-----	-----
S	LSI
G	LSIG
A	LSI-P
P	LISG-P

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

Feature Code Template (Cont.)

4th Digit	Type
-----	----
3	3-pole (IEC 947-2 rated)
4	4-pole (IEC 947-2 rated)
1	100% rated, 3-pole (UL/CSA)

5th Digit	Rating
-----	-----
	IEC UL
A	400 400
C	800 800
D	1250 1200
E	1600 1600
F	2000 2000
G	2500 2500
H	3200 3000
I	4000 4000

6th Digit	Quantity
-----	-----
1	ONE

7th Digit	Location
-----	-----
R	Right-hand mounted
L	Left-hand mounted
B	Rear (back) mounted

Example: Feature code = RMS1E1R

- 1st digit: R = R Frame.
- 2nd digit: M = Breaker is manually operated.
- 3rd digit: S = Breaker includes an LSI trip unit.
- 4th digit: 1 = Breaker is 100% rated, 3=pole (UL/CSA)
- 5th digit: E = Breaker is rated for 1600 amps.
- 6th digit: 1 = One breaker is mounted at the listed mounting location.
- 7th digit: R = Breaker is right-hand mounted on the package genset.

Circuit Breaker Wiring Groups(Automatically Selected)

6	WIREN42	EMCP4 BREAKER WIRING 0 TECHNICAL: Automatic Selection -Provides breaker wiring when EMCP42 is selected and L-Frame, R-Frame or non-EO P-Frame breaker is selected ONLY FOR USE WITH: EMCP4.2 Only L Frame, R-Frame or non-EO P-Frame Breakers Only	\$69
6	WIREP42	EMCP4.2 BREAKER WIRING 0 TECHNICAL: Automatic Selection -Provides breaker wiring when EMCP42 is selected and EO P-Frame Breaker is selected. ONLY FOR USE WITH: EMCP 4.2 Only EO P-Frame Breakers Only	\$140

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

Circuit Breaker Wiring Groups(Automatically Selected) (Cont.)

6	WIREM42	EMCP4.2 BREAKER WIRING 0 Automatic Selection- Provides breaker wiring when EMCP42 is selected and MasterPact Breaker is selected ONLY FOR USE WITH: EMCP 4.2 Only Non-Paralleling MasterPact Breakers Only		\$159
6	WIREN43	EMCP4.4 CBK WIRING NM, RM, PM 0 TECHNICAL: Automatic Selection - Provides breaker wiring when EMCP43 is selected and L-Frame, R-Frame or non-EO P-Frame breaker is selected. ONLY FOR USE WITH: EMCP4.3 Only L Frame, R-Frame or non-EO P-Frame Breakers Only		\$37
6	WIREP43	EMCP4.3 BREAKER WIRING 0 Automatic Selection - Provides breaker wiring when EMCP43 is selected and EO P-Frame Breaker is selected. ONLY FOR USE WITH: EMCP 4.3 Only EO P-Frame Breakers Only		\$68
6	WIREM43	EMCP4.3 BREAKER WIRING 0 Automatic Selection- Provides breaker wiring when EMCP43 is selected and MasterPact Breaker is selected. ONLY FOR USE WITH: EMCP 4.3 Only Non-Paralleling MasterPact Breakers Only		\$37

400 Amp, 3 Pole, UL-100% Rated Circuit Breakers

Provides 400A, UL-Listed, L-Frame model, molded case circuit breaker, with auxiliary contacts, shunt trip and load take-off lugs. Breakers are manually operated unless otherwise stated.

Right Mounted

6	NMO1A1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI.		\$3,305
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Left Mounted

6	NMO1A1L	LEFT MOUNTED 0 TECHNICAL: Adds LSI.		\$3,305
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800 Amp, 3 Pole, UL-100% Rated Circuit Breakers

Provides 800A, UL-100% rated, P-Frame Model, molded case circuit Breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Right Mounted

6	PES1C1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI and EO.		\$6,897
6	PEA1C1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI-P, EO and Modbus.		\$7,932

Left Mounted

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

800 Amp, 3 Pole, UL-100% Rated Circuit Breakers (Cont.)

6	PES1C1L	LEFT MOUNTED TECHNICAL: Adds LSI and EO.	0	\$6,897
6	PEG1C1L	LEFT MOUNTED TECHNICAL: Adds LSI and EO.	0	\$7,414

1200 Amp, 3 Pole, UL-100% Rated Circuit Breakers

Provides 1200A, UL-100% rated, P-Frame Model, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Right Mounted

6	PES1D1R	RIGHT MOUNTED TECHNICAL: Adds LSI and EO.	0	\$8,311
6	PEG1D1R	RIGHT MOUNTED TECHNICAL: Adds LSI and EO.	0	\$8,934

Left Mounted

6	PES1D1L	LEFT MOUNTED TECHNICAL: Adds LSI and EO.	0	\$8,311
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Rear Mounted

6	PES1D1B	REAR MOUNTED TECHNICAL: Adds LSI and EO.	0	\$8,311
6	PEG1D1B	REAR MOUNTED TECHNICAL: Adds LSI and EO.	0	\$8,934
6	PEP1D1B	REAR MOUNTED TECHNICAL: Adds LSI-P, EO and Modbus.	0	\$9,807

1600 Amp, 3 Pole, UL-100% Rated Circuit Breakers

Provides 1600A, UL-100% rated, R-Frame Model, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Right Mounted

6	RMS1E1R	RIGHT MOUNTED TECHNICAL: Adds LSI.	0	\$9,083
6	RMG1E1R	RIGHT MOUNTED TECHNICAL: Adds LSI.	0	\$9,537
6	RMP1E1R	RIGHT MOUNTED TECHNICAL: Adds LSI-P and Modbus.	0	\$10,446
6	RMA1E1R	RIGHT MOUNTED TECHNICAL: Adds LSI-P and Modbus.	0	\$9,992

Left Mounted

6	RMS1E1L	LEFT MOUNTED TECHNICAL: Adds LSI.	0	\$9,083
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CIRCUIT BREAKERS (CONT.)

1600 Amp, 3 Pole, UL-100% Rated Circuit Breakers (Cont.)

Rear Mounted

6	RMS1E1B	REAR MOUNTED TECHNICAL: Adds LSI.	0	\$9,083
6	RMG1E1B	REAR MOUNTED TECHNICAL: Adds LSIG.	0	\$9,537
6	RMP1E1B	REAR MOUNTED TECHNICAL: Adds LSIG-P and Modbus.	0	\$10,446
6	RMA1E1B	REAR MOUNTED TECHNICAL: Adds LSI-P and Modbus.	0	\$9,992

1600 Amp, 3 Pole, IEC-Rated Circuit Breakers

Provides 1600A, IEC-rated, NS1600 Model, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Right Mounted

6	PES3E1R	RIGHT MOUNTED TECHNICAL: Adds LSI and EO.	0	\$9,238
6	PEG3E1R	RIGHT MOUNTED TECHNICAL: Adds LSIG and EO.	0	\$9,932
6	PEP3E1R	RIGHT MOUNTED TECHNICAL: Adds LSIG-P, EO and Modbus.	0	\$10,902
6	PMS3E1R	RIGHT MOUNTED TECHNICAL: Adds LSI.	0	\$8,799
6	PMG3E1R	RIGHT MOUNTED TECHNICAL: Adds LSIG.	0	\$9,458
6	PMP3E1R	RIGHT MOUNTED TECHNICAL: Adds LSIG-P and Modbus.	0	\$10,383

Rear Mounted

6	PES3E1B	REAR MOUNTED TECHNICAL: Adds LSI and EO.	0	\$9,238
6	PMS3E1B	REAR MOUNTED TECHNICAL: Adds LSI.	0	\$8,799
6	PMG3E1B	REAR MOUNTED TECHNICAL: Adds LSIG.	0	\$9,458

1600 Amp, 4 Pole, IEC-Rated Circuit Breakers

Provides 1600A, IEC-rated, NS1600 Model, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Right Mounted

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

1600 Amp, 4 Pole, IEC-Rated Circuit Breakers (Cont.)

6	PES4E1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI and EO.	0	\$10,211
6	PEG4E1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI and EO.	0	\$10,977
6	PMS4E1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI.	0	\$9,725
6	PMG4E1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI.	0	\$10,454

Rear Mounted

6	PMG4E1B	REAR MOUNTED 0 TECHNICAL: Adds LSI.	0	\$10,454
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2000 Amp, 3 Pole, UL-100% Rated Circuit Breakers

Provides 2000A, UL-100% rated, R-Frame Model, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Right Mounted

6	RMS1F1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI.	0	\$10,328
6	RMG1F1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI.	0	\$10,844
6	RMP1F1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI-P and Modbus.	0	\$11,877

Rear Mounted

6	RMG1F1B	REAR MOUNTED 0 TECHNICAL: Adds LSI.	0	\$10,844
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2000 Amp, 3 Pole, IEC Rated Circuit Breakers

Provides 2000A, IEC-rated, NS2000 model, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Right Mounted

6	RMS3F1R	RIGHT MOUNTED 0 TECHNICAL: Adds LSI.	0	\$9,811
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Rear Mounted

**Right Mounted
LANE03**

6	RMS3F1B	REAR MOUNTED 0 TECHNICAL: Adds LSI.	0	\$9,811
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CIRCUIT BREAKERS (CONT.)

2500 Amp, 3 Pole, UL-100% Rated Circuit Breakers

Provides 2500A, UL-100% rated, R-Frame Model, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Rear Mounted

6	RMS1G1B	REAR MOUNTED	0	\$11,883
		TECHNICAL: Adds LSI.		

2500 Amp, 3 Pole, IEC-Rated Circuit Breakers

Provides 2500A, IEC-rated, NS2500 Model, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Rear Mounted

6	RMS3G1B	REAR MOUNTED	0	\$11,289
		TECHNICAL: Adds LSI.		

3200 Amp, 3 Pole, IEC-Rated Circuit Breakers

Provides 3200A, IEC-rated, NS3200 Model, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are manually operated unless otherwise stated.

Rear Mounted

6	RMS3H1B	REAR MOUNTED	0	\$13,358
		TECHNICAL: Adds LSI.		

1600 Amp, 3 Pole, UL-100% Rated Circuit Breakers

Provides rear mounted, 1600A, UL-100% rated, Masterpact Model, fixed mounted, insulated case breaker, electrically operated, with auxiliary contacts, shunt trip and load take-off bus.

6	MES1E1B	REAR AND FIXED MOUNTED	0	\$12,077
		TECHNICAL: Adds LSI.		
6	MEG1E1B	REAR AND FIXED MOUNTED	0	\$12,681
		TECHNICAL: Adds LSIG.		
6	MEP1E1B	REAR AND FIXED MOUNTED	0	\$14,492
		TECHNICAL: Adds LSIG-P and Modbus.		

2000 Amp, 3 Pole, IEC-Rated Circuit Breakers

Provides rear mounted, 2000A, IEC-rated, Masterpact Model, fixed mounted, insulated case circuit breaker, electrically operated; with auxiliary contacts, shunt trip and load take-off bus.

6	MES3F1B	REAR AND FIXED MOUNTED	0	\$13,082
		TECHNICAL: Adds LSI.		

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

2000 Amp, 3 Pole, IEC-Rated Circuit Breakers (Cont.)

6	MEG3F1B	REAR AND FIXED MOUNTED 0 TECHNICAL: Adds LSIG.		\$13,735
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2000 Amp, 4 Pole, IEC-Rated Circuit Breakers

Provides rear mounted, 2000A, IEC-rated, Masterpact Model, fixed mounted, insulated case circuit breaker, electrically operated; with auxiliary contacts, shunt trip and load take-off bus.

6	MES4F1B	REAR AND FIXED MOUNTED 0 TECHNICAL: Adds LSI.		\$14,459
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Paralleling Circuit Breakers

Provides rear mounted Masterpact Model, fixed mounted, insulated case breaker, electrically operated, with auxiliary contacts, shunt trip and load take-off bus. (One of the paralleling breakers in the section below must be chosen when a EMCP4.4 is selected.) Left and Right mounted breakers are bottom cable entry only.

1200A

6	MPS1D1B	REAR AND FIXED MOUNTED 0 TECHNICAL: 3P, UL, ICCB, LSI, UV, AUX, ST, EO, SC, SDE		\$11,941
6	MPS1D1R	RIGHT AND FIXED MOUNTED 0 TECHNICAL: 3P, UL, ICCB, LSI, UV, AUX, ST, EO, SC, SDE		\$11,941
6	MPG1D1B	REAR AND FIXED MOUNTED 0 TECHNICAL: 3P, UL, ICCB, LSIG, UV, AUX, ST, EO, SC, SDE		\$12,538
6	MPG1D1R	RIGHT AND FIXED MOUNTED 0 TECHNICAL: 3P, UL, ICCB, LSIG, UV, AUX, ST, EO, SC, SDE		\$12,538

1600A

6	MPS3E1B	REAR AND FIXED MOUNTED 0 TECHNICAL: 3P, IEC, ICCB, LSI, UV, AUX, ST, EO, SC, SDE		\$13,194
6	MPS3E1R	RIGHT AND FIXED MOUNTED 0 TECHNICAL: 3P, IEC, ICCB, LSI, UV, AUX, ST, EO, SC, SDE		\$13,194
6	MPG3E1B	REAR AND FIXED MOUNTED 0 TECHNICAL: 3P, IEC, ICCB, LSIG, UV, AUX, ST, EO, SC, SDE		\$13,854
6	MPG3E1R	RIGHT AND FIXED MOUNTED 0 TECHNICAL: 3P, IEC, ICCB, LSIG, UV, AUX, ST, EO, SC, SDE		\$13,854
6	MPS1E1B	REAR AND FIXED MOUNTED 0 TECHNICAL: 3P, UL, ICCB, LSI, UV, AUX, ST, EO, SC, SDE		\$13,888
6	MPS1E1R	RIGHT AND FIXED MOUNTED 0 TECHNICAL: 3P, UL, ICCB, LSI, UV, AUX, ST, EO, SC, SDE		\$13,888
6	MPG1E1B	REAR AND FIXED MOUNTED 0 TECHNICAL: 3P, UL, ICCB, LSIG, UV, AUX, ST, EO, SC, SDE		\$14,583
6	MPG1E1R	RIGHT AND FIXED MOUNTED 0 TECHNICAL: 3P, UL, ICCB, LSIG, UV, AUX, ST, EO, SC, SDE		\$14,583

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

2000A

6	MPS3F1B	REAR AND FIXED MOUNTED 0 TECHNICAL: 3P, IEC, ICCB, LSI, UV, AUX, ST, EO, SC, SDE		\$15,044
6	MPS3F1R	RIGHT AND FIXED MOUNTED 0 TECHNICAL: 3P, IEC, ICCB, LSI, UV, AUX, ST, EO, SC, SDE		\$15,044
6	MPG3F1B	REAR AND FIXED MOUNTED 0 TECHNICAL: 3P, IEC, ICCB, LSI, UV, AUX, ST, EO, SC, SDE		\$15,796

CONTROL PANELS

6	EMCP42	EMCP 4.2 CONTROL PANEL 0 **DEFAULT OFFERING** Standard control panel. ONLY FOR USE WITH: Low or medium voltage packages. CANNOT BE USED WITH: EMCP43 or EMCP44.		NC
6	EMCP43	EMCP 4.3 CONTROL PANEL 0 REPLACES: EMCP42 TECHNICAL: Provides functionality of EMCP 4.2 plus an 8-line graphical screen, additional I/O, and Ethernet (Modbus TCP). CANNOT BE USED WITH: EMCP42, EMCP44, MV generators		\$7,162
6	EMCP44	EMCP 4.4 CONTROL PANEL 0 REPLACES: EMCP42 TECHNICAL: Provides functionality of EMCP4.3 plus on-package paralleling control. REQUIRES: Mandatory selection of paralleling breaker. CANNOT BE USED WITH: EMCP42, EMCP43, MV generators		\$9,287

Control Panel Mounting Section

6	UIPBHS	CONTROL PANEL MOUNT - REAR 0 Standard control panel location. ONLY FOR USE WITH: Low voltage packages. CANNOT BE USED WITH: LH or RH-mounted control panel options.		NC
6	UIPBRHS	CONTROL PANEL MOUNTING - RH 0 Replaces standard rear-mounted control panel. ONLY FOR USE WITH: Low or medium voltage packages. CANNOT BE USED WITH: Rear-mounted or LH-mounted control panel options; RH-mounted medium voltage bus bars.		NC
6	UIPBLHS	CONTROL PANEL MOUNTING - LH 0 Replaces standard rear-mounted control panel. ONLY FOR USE WITH: Low or medium voltage packages. CANNOT BE USED WITH: Rear-mounted or RH-mounted control panel options; RH-mounted medium voltage bus bars.		NC

IVR GROUPS (Automatic Selection)

6	DVR0005	IVR GP EMCP4.2-LV 0 **DEFAULT OFFERING** TECHNICAL: Provides an automatically selected digital voltage regulator when a EMCP4.2 panel is selected with a Low Voltage generator. CANNOT BE USED WITH: MV generators or EMCP4.3 or EMCP4.4		\$589
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CONTROL PANELS (CONT.)

IVR GROUPS (Automatic Selection) (Cont.)

6	DVR0006	IVR GP EMCP4.2-MV 0 REMOVES: DVR0005 TECHNICAL: Provides an automatically selected digital voltage regulator when a EMCP4.2 panel is selected with a Medium Voltage generator CANNOT BE USED WITH: LV generators or EMCP4.3 or EMCP4.4		\$492
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Language Options (one option supplied at not charge)

Provides additional language for genset controller.

6	ENGEN1	STANDARD LANGUAGE-ENGLISH 0 **DEFAULT OFFERING**		NC
6	LANARAC	ADDL LANGUAGE-ARABIC 0		NC
6	LANCHIC	ADDL LANGUAGE-CHINESE 0		NC
6	LANDANC	ADDL LANGUAGE-DANISH 0		NC
6	LANDUTC	ADDL LANGUAGE-DUTCH 0		NC
KB	LANFINC	ADDL LANGUAGE-FINNISH 0		NC
6	LANFREC	ADDL LANGUAGE-FRENCH 0		NC
6	LANGERC	ADDL LANGUAGE-GERMAN 0		NC
6	LANGREC	ADDL LANGUAGE-GREEK 0		NC
6	LANITAC	ADDL LANGUAGE-ITALIAN 0		NC
6	LANJAPC	ADDL LANGUAGE-JAPANESE 0		NC
6	LANPORC	ADDL LANGUAGE-PORTUGUESE 0		NC
6	LANRUSC	ADDL LANGUAGE-RUSSIAN 0		NC
6	LANSPAC	ADDL LANGUAGE-SPANISH 0		NC
6	LANSWEC	ADDL LANGUAGE-SWEDISH 0		NC
6	LANTURC	ADDL LANGUAGE-TURKISH E 0		NC

Customer Connection Mounting Locations

6	CUSTCNR	CUSTOMER CONNECTION MOUNT-RH 0 **DEFAULT OFFERING** Standard RH-mounted customer connection panel location. ONLY FOR USE WITH: Low or medium voltage packages. CANNOT BE USED WITH: RH-Mounted Control Panel Option UIPBRHS. RH-mounted medium voltage bus bars.		NC
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CONTROL PANELS (CONT.)

Customer Connection Mounting Locations (Cont.)

6	CUSTCNB	CUSTOMER CONNECTION MOUNT-REAR 0 REMOVES: CUSTCNR ONLY FOR USE WITH: EMCP4.2 Only CANNOT BE USED WITH: Rear-mounted control panel option UIPBBHS or EMCP4.3 or EMPC4.4		NC
6	CUSTCNL	CUSTOMER CONNECTION MOUNT-LH 0 REMOVES: CUSTCNR with LH-mounted location. ONLY FOR USE WITH: Low or medium voltage packages. CANNOT BE USED WITH: LH-mounted control panel option UIPBLHS;		NC

Annunciator Modules

6	CVR0017	COVERS-NO LOCAL ANNUNC MODULES 0 ** DEFAULT OFFERING ** TECHNICAL: Provides 2 covers for use when no local annunciator modules are selected		\$180
6	CVR0018	NO LOCAL ANNUNCIATOR 0 REMOVES: CVR0017 TECHNICAL: Provides 1 cover for use when one local annunciator module is selected		\$90
6	CVR0019	COVERS-TWO LOCAL ANNUNC MODULE 0 REMOVES: CVR0017 TECHNICAL: Provides no covers for use when two local annunciator modules is selected		NC
6	ANNNFPA	1ST LOCAL NFPA ANNUNCIATOR 0 TECHNICAL: Provides 16 point/32 light annunciator, mounted on package, with NFPA 99-110/CSA 282 label. REQUIRES: EMCP4.2 or EMCP4.3 (EMCP43) or EMCP4.4 (EMCP44). CANNOT BE USED WITH: 1st Custom Local Annunciator (ANNCUS1).		\$968
6	ANNCUS1	1ST CUSTOM LOCAL ANNUNCIATOR 0 TECHNICAL: Provides 16 point/32 light annunciator, mounted on package, with No Label-Label kit shipped loose for customer installation. CANNOT BE USED WITH: 1st local annunciator NFPA 99-110/CSA 282 (ANNNFPA) 82		\$968
6	ANNCUST	2ND CUSTOM LOCAL ANNUNCIATOR 0 TECHNICAL: Provides 16 point/32 light annunciator, mounted on package, with No Label-Label kit shipped loose for customer installation. REQUIRES: 1ST Local Annunciator NFPA 99-100/CSA 282 (ANNNFPA) or 1st Custom Local Annunciator (ANNCUS1).		\$977

Annunciator Modules - Shipped Loose

6	ANNR001	REMOTE NFPA ANNCIATORS 0 TECHNICAL: Provides RS-485 16 point/32 light annunciator, shipped loose, with NFPA 99-110/CSA C22.2 No.205-M1983 ANSI/UL 916 label.		\$751
6	ANNC001	REMOTE CUSTOM ANNUNCIATOR 0 Shipped loose. TECHNICAL: Provides RS-485 16 point/32 light annunciator, shipped loose with label kit.		\$966

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

Annunciator Modules - Shipped Loose (Cont.)

6	RANNWIR	REMOTE ANNUNCIATOR WIRING 0 TECHNICAL: Automatic Selection. A quantity of one is required with any combination of remote annunciators. REQUIRES: ANNRO01 or ANNC001		\$160
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Governors

6	LSMBOXR	LOAD SHARE MODULE-RH 0 TECHNICAL: Provides load share module on package, with 10k Ohm speed adjust potentiometer. FOR USE WITH: C32 low-voltage generator sets and EMCP4.2 only. CANNOT BE USED WITH: Any other RH-mounted control panel option. EMCP4.3 or EMCP4.4.		\$3,992
6	LSMBOXL	LOAD SHARE MODULE-LH 0 TECHNICAL: Provides load share module on package, with 10k Ohm speed adjust potentiometer. FOR USE WITH: C32 low-voltage generator sets and EMCP4.2 only. CANNOT BE USED WITH: Any other LH-mounted control panel option. EMCP4.3 or EMCP4.4.		\$3,992
6	LSMBOXB	LOAD SHARE MODULE-REAR 0 TECHNICAL: Provides load share module on package, with 10k Ohm speed adjust potentiometer. FOR USE WITH: 32 low-voltage generator sets and EMCP4.2 only. CANNOT BE USED WITH: Any other rear-mounted control panel option. EMCP4.3 or EMCP4.4.		\$3,992
6	LOADSHM	LOAD SHARE MODULE-MV 0 TECHNICAL: Provides load share module on package, with 10k Ohm speed adjust potentiometer. FOR USE WITH: C32 medium voltage generator sets and EMCP4.2 only. CANNOT BE USED WITH: EMCP4.3 or EMCP4.4.		\$2,006
6	LSMOD10	LOAD SHARE MODULE-EMCP4.3 ONLY 0 TECHNICAL: Provides load share module components on LV packages. Includes Speed Bias Potentiometer. Single installation location. ONLY FOR USE WITH: C32 low-voltage generator sets and EMCP4.3 only. CANNOT BE USED WITH: EMCP4.2 or EMCP4.4.		\$2,706

Auxiliary Box

6	AUXBOXR	EMPTY RIGHT UPPER BOX 0 TECHNICAL: Provides empty auxiliary box installed on RH side of package. ONLY FOR USE WITH: Low-voltage packages and EMCP4.2 or 4.3. CANNOT BE USED WITH: EMCP4.4 or EMCP4.3 with CUSTCNR or any other RH-mounted control panel option.		\$380
6	AUXBOXL	EMPTY LEFT UPPER BOX 0 TECHNICAL: Provides empty auxiliary box installed on LH-side of package. ONLY FOR USE WITH: Low-voltage packages and EMCP4.2 or 4.3. CANNOT BE USED WITH: EMCP 4.4 or EMCP4.3 with CUSTCNR or any other LH-mounted control panel option.		\$380

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

Auxiliary Box (Cont.)

6	AUXBOXB	EMPTY REAR UPPER BOX 0 TECHNICAL: Provides empty auxiliary box installed on rear of package. ONLY FOR USE WITH: Low-voltage packages and EMCP4.2 or 4.3. CANNOT BE USED WITH: EMCP 4.4 or EMCP4.3 with CUSTCNR or any other LH-mounted control panel.		\$380
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Customer Interface Options

NOTE:A maximum of one discrete I/O module may be shipped loose if one discrete I/O module is package mounted.
 A maximum of one discrete I/O module may be shipped loose if one discrete I/O module is package mounted.

6	EMCSD10	DISCRETE I/O MODULE-LV/MV 0 Installed. TECHNICAL: Provides 12 digital inputs and 8 form "C" relay outputs for customer use; mounted on package. REQUIRES: Optional EMCP4.2 Harness (RTDDIOH) and customer programming. ONLY FOR USE WITH: Low and medium voltage generators. CANNOT BE USED WITH: EMCP4.3 or EMCP4.4. NOTE: Maximum of one module may be mounted on package.		\$1,044
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6	EMCSDP9	DISCRETE I/O MODULE 0 Shipped loose. TECHNICAL: Provides ONE 12 digital inputs and 8 form "C" relay outputs for customer use; mounted on package. REQUIRES: Optional EMCP4.2 Module Harness RTDDIOH and customer programming. CANNOT BE USED WITH: EMCP4.3 or EMCP4.4.		\$862
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6	EMCSD16	DISCRETE I/O MODULE-LV/MV 0 TECHNICAL: Provides 12 digital inputs and 8 Form "C" Relay Outputs for customer use; mounted on package. REQUIRES: EMCP4.3 (EMCP43) or EMCP4.4 (EMCP44) and customer programming. NOTE: Maximum of one module may be mounted on package.		\$1,548
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6	EMCSDP8	SPARE DISCRETE IO PKG 0 Shipped loose. TECHNICAL: Provides 2x12 digital inputs and 8 Form "C" Relay Outputs for customer use; mounted on package. REQUIRES: Optional Module Harness RTDDIOH and Harness RTDDIOH and customer programming. CANNOT BE USED WITH: EMCP4.3 or EMCP4.4.		\$1,108
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CONTROL PANELS (CONT.)

Generator Temperature Monitoring

6	GENRTD4	GEN TEMP MONITORING PACKAGE 0 TECHNICAL: Provides Generator Bearing RTDs and RTD Module to supply generator bearing and stator temperature monitoring capability for generators equipped with form-wound generators. Parameters are viewable on the EMCP4.2. REQUIRES: Optional Module Harness RTDDIOH, EMCP 4.2 CANNOT BE USED WITH: EMCP4.3 or EMCP4.4.		\$2,378
6	RTDDIOH	OPTIONAL MODULE HARNESS 0 TECHNICAL: Automatic selection based on selection of RTD or Thermocouple module, and/or Discrete I/O. REQUIRES: RTD and/or Discrete I/O Module. CANNOT BE USED WITH: EMCP4.3 or EMCP4.4. NOTE: Need only 1 harness even if multiple RTD / Discrete I/O Modules are ordered.		\$216
6	GENRTD6	GENERATOR MONITORING PACKAGE 0 TECHNICAL: Provides Generator Bearing RTDs and RTD Module TECHNICAL: to supply generator bearing and stator temperature monitoring capability for generators. Parameters are viewable on the genset controller. REQUIRES: EMCP4.3 (EMCP43) or EMCP4.4 (EMCP44) CANNOT BE USED WITH: EMCP 4.2.		\$2,656

Control Panel Options

6	CTS0008	SHORE POWER DISTRIBUTION BLKS 0 TECHNICAL: Automatic selection. A quantity of one is required with any combination of shore power attachments. ONLY FOR USE WITH: ACDSPNL, SHK0022, JWHO124		\$75
6	PLUG004	PLUG - W/O PANEL LIGHTS 0 ** DEFAULT OFFERING ** TECHNICAL: Provides plugs in place of panel lights. CANNOT BE USED WITH: EMCP4.3 or EMCP4.4		NC
6	PANLGTS	PANEL LIGHTS 0 REMOVES: PLUG004 TECHNICAL: Adds control panel lights to package. ONLY FOR USE WITH: EMCP4.2 only CANNOT BE USED WITH: EMCP4.3 or EMCP4.4		\$266
6	SPEDPTS	REMOTE SPEED ADJUST 0 TECHNICAL: Allows for remote speed adjust capability. Shipped loose. REQUIRES: EMCP4.2 CANNOT BE USED WITH: EMCP4.3 or 4.4 or Load Share Module options LSMBOXR, LSMBOXL, LSMBOXB.		\$310
6	VANDALD	VANDAL PROOF PANEL DOOR 0 TECHNICAL: Adds vandal door to protect package-mounted control panel.		\$161
6	LPCMONS	LOCAL PC MONITORING 0 TECHNICAL: Provides RS485 to RS232 converter. Shipped loose.		\$221
6	RPCMONS	REMOTE PC MONITORING 0 TECHNICAL: Provides DIN rail mountable industrial dial up modem. Shipped Loose.		\$1,365

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

ADDITIONAL FEATURES (AUTOMATICALLY SELECTED)

Auxiliary Panel Mounting Locations (Automatically Selected)

6	AUXPNLR	AUXILIARY PLATE MOUNTING - RH 0 REMOVES: AUXPNLL Automatic selection based on whatever location is open. ONLY FOR USE WITH: C32 Engines with installed LSM or optional auxiliary customer panel.		\$73
6	AUXPNLL	AUXILIARY PLATE MOUNTING - LH 0 **DEFAULT OFFERING** Automatic selection based on whatever location is open. ONLY FOR USE WITH: C32 Engines with installed LSM or optional auxiliary customer panel.		\$73
6	AUXPNLB	AUXILIARY PLATE MOUNTING-REAR 0 REMOVES: AUXPNLL Automatic selection based on whatever location is open. and location of customer connection mounting. ONLY FOR USE WITH: C32 Engines with installed LSM or optional auxiliary customer panel and EMCP4.2 only. CANNOT BE USED WITH: EMCP4.3 or 4.4		\$73

COOLING SYSTEM

6	STDRAD	STANDARD RADIATOR 0 **DEFAULT OFFERING** ONLY FOR USE WITH: C32DR58 C32DR59 C32DR60 CANNOT BE USED WITH: C32DR57		\$16,455
6	RAD0009	RADIATOR FOR 1250KVA 50HZ RTG 0 **DEFAULT OFFERING** ONLY FOR USE WITH: C32DR57 CANNOT BE USED WITH: C32DR58 C32DR59 C32DR60		\$16,455
6	COOL001	EXTENDED LIFE COOLANT 0 **DEFAULT OFFERING**		\$582
6	RADDFL8	RADIATOR DUCT FLANGE 0 TECHNICAL: For Open Gensets Onlysurre or CANNOT BE USED WITH: ENCSA72, ENCSA73, ENCSA74		\$680

ENCLOSURES

Sound Attenuated Enclosures

6	NOENCL1	NO ENCLOSURE SELECTED 0 No Enclosure - Provides hardware for open generator set not provided with enclosed sets. **DEFAULT OFFERING**		\$275
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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ENCLOSURES (CONT.)

PREMIUM ENCLOSURES

Premium Enclosure with Lifting Base or Fuel Tank (Select One)

6	ENCSA72	PREMIUM SOUND ATTENUATED 0 REMOVES: NOENCL1 TECHNICAL: Provides Sound Attenuated and Weather Protection Enclosure (75 dBA). High configurability with options. Includes installed exhaust system and Vibration Spring Isolators. REQUIRES: FULIN15, NOENCPB, One of (ENCOYP3, ENCOWP3, ENCOBP3, or ENCOGP3), GRD0012 WHEN CERTESE IS SELECTED CANNOT BE USED WITH: Rear extension boxes / Power connections, C32DR57, C32DR58, 50H0400, 50H0415, 50H3300, ENCSA73, ENCSA74, MNTWB05, 1460 OR 1480 FRAME GENERATORS, UIPBBHS, CUSTCNB		\$76,369
6	ENCSA73	SOUND ATTENUATED ENCLOSURE 0 REMOVES: NOENCL1 TECHNICAL: Provides (Premium) Sound Attenuated and Weather Protection Enclosure (75 dBA). High configurability with options. Includes installed exhaust system, Vibration Spring Isolators, and installed 1000 gallon fuel tank. REQUIRES: NOENCPB, One of (ENCOYP3, ENCOWP3, ENCOBP3, or ENCOGP3), GRD0012 WHEN CERTESE IS SELECTED CANNOT BE USED WITH: Rear extension boxes / Power connections, C32DR57, C32DR58, 50H0400, 50H0415, 50H3300, ENCSA72, ENCSA74, MNTWB05, 1460 OR 1480 FRAME GENERATORS UIPBBHS, CUSTCNB		\$93,246
6	ENCSA74	SOUND ATTENUATED ENCLOSURE 0 REMOVES: NOENCL1 TECHNICAL: Provides (Premium) Sound Attenuated and Weather Protection Enclosure (75 dBA). High configurability with options. Includes installed exhaust system, Vibration Spring Isolators, and installed 2000 gallon fuel tank. REQUIRES: NOENCPB, One of (ENCOYP3, ENCOWP3, ENCOBP3, or ENCOGP3), GRD0012 WHEN CERTESE IS SELECTED CANNOT BE USED WITH: Rear extension boxes / Power connections, C32DR57, C32DR58, 50H0400, 50H0415, 50H3300, ENCSA72, ENCSA73, MNTWB05, 1460 OR 1480 FRAME GENERATORS UIPBBHS, CUSTCNB		\$97,217

Premium Enclosure Colors (Select one)

6	ENCOYP3	SOUND ATTENUATED ENCLOSURE 0 TECHNICAL: Yellow color for Premium Enclosure ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: ENCOWP3, ENCOBP3, ENCOYP3		NC
6	ENCOWP3	SOUND ATTENUATED ENCLOSURE 0 TECHNICAL: White color for Premium Enclosure ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: ENCOYP3, ENCOBP3, ENCOGP3		\$737 NET
6	ENCOBP3	SOUND ATTENUATED ENCLOSURE 0 TECHNICAL: Beige color for Premium Enclosure ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: ENCOWP3, ENCOYP3, ENCOGP3		\$1,476 NET

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
ENCLOSURES (CONT.)				
<i>Premium Enclosure Colors (Select one) (Cont.)</i>				
6	ENCOGP3	SOUND ATTENUATED ENCLOSURE 0 TECHNICAL: Gray color for Premium Enclosure ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: ENCOWP3, ENCOBP3, ENCOGP3		\$1,476 NET
<i>Premium Enclosure Fuel Tank Options</i>				
6	FTBDW6X	FUEL STORAGE TANK - 3600 GALLO 0 REMOVES: FULIN15 ONLY FOR USE WITH: ENCSA72 CANNOT BE USED WITH: IBCOSHP		\$37,103
6	FULIN15	Encl LIFTING BASE FUEL LINES 0 ONLY FOR USE WITH: ENCSA72		\$94
6	NOACDSP	NO AC PANEL, OUTLETS, & LIGHTS 0 ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74		NC
6	FULSPL1	SEVEN GAL FUEL FILL SPILL CONT 0 TECHNICAL: Provides 7 gallon fuel spill containment for 1000 or 2000 gallon fuel tanks. Shipped loose. ONLY FOR USE WITH: ENCSA73, ENCSA74, FTBDW6X		\$824
6	WIRFLS2	Fuel Level Indication (INSTLD) 0 TECHNICAL: Provides Fuel Level Sensor Wiring REQUIRES: NFPA Annunciator ANNNFPA ONLY FOR USE WITH: ENCSA73, ENCSA74, FTBDW6X		\$322
<i>Premium Enclosure Options</i>				
6	ENC1CWB	COLD WEATHER BUNDLE 0 TECHNICAL: Provides AC Panel, Outlets, Lights, Enclosure Space Heater, Motorized Louvers, Installed Battery Charger, Heavy Duty Batteries, Dual Starters, JWH, Generator Space Heaters. REQUIRES: MOTLVR1, ACDSPNL, BAT2429, BTC1037, JWH0124, ELSM248, SHK0022 ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: IBCCERT		\$2,255
6	FXDLVR1	FIXED LOUVERS - STANDARD 0 ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: MOTLVR1		\$4,956
6	MOTLVR1	MOTORIZED LOUVERS 0 REMOVES: FXDLVR1 REQUIRES: BTC1037, ACDCBKT ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: FXDLVR1		\$12,012
6	ENCIML5	DC LIGHTING PACKAGE 0 REQUIRES: BAT2402 or BAT2429 ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74		\$752
6	ACDSPNL	AC PANEL, OUTLETS, AND LIGHTS 0 REMOVES: NOACDSP TECHNICAL: AC Distribution panel, Lights and Outlets REQUIRES: ACDCBKT ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74		\$2,705

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

Premium Enclosure Options (Cont.)

6	ACDCBKT	PANEL BRACKET 0 TECHNICAL: PROVIDES BRACKET TO MOUNT CONTACTOR/BREAKER panel for Motorized Louvers or AC Panel, Outlets and Lights ONLY FOR USE WITH: Required when either MOTLVR1 or ACDSPNL are selected.		\$60
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EXHAUST SYSTEM

Exhaust System

All C32 engines have 203 mm (8 in) exhaust outlets.

Guard and Shield System

Installed.

6	GRD0009	ATAAC Insulation-PreLube Pump 0 TECHNICAL: Includes soft wrap insulation on right hand upper ATAAC lines next to Pre Lube Pump. ONLY FOR USE WITH: OPAMSP2. CANNOT BE USED WITH: ULLIST, EUDGDOC, GRD0007, GRD0008, GRD0012		\$230
6	GRD0007	TURBO GUARD AND ATAAC WARNING 0 TECHNICAL: Includes hard turbo shield, exhaust line guard, left-hand airline shield and right-hand airline shield. ONLY FOR USE WITH: ULLIST CANNOT BE USED WITH: 50Hz generator, GRD0008, GRD0009, GRD0012, EUDGDOC		\$1,758
6	GRD0008	Engine Exhaust and ATAAC INS. 0 TECHNICAL: Includes sheet metal shields on turbo soft wrap insulation on connecting exhaust pipes and ATAAC lines. (Does not include insulation on exhaust elbow.) ONLY FOR USE WITH: EUDGDOC, ULLIST CANNOT BE USED WITH: GRD0007, GRD0009, GRD0012		\$3,149
6	GRD0012	COMP ENGINE EXHAUST INSULATION 0 TECHNICAL: Includes soft wrap insulation on exhaust pipes, ATAAC lines and Turbo (including exhaust elbow). ONLY FOR USE WITH: ULLIST, EUDGDOC CANNOT BE USED WITH: GRD0007, GRD0008, GRD0009, KV01250		\$3,960

Elbows

Shipped loose. Weldable, 90 degree bend.

6	EXCEL02	ELBOW - 203 MM (8 IN) 0 TECHNICAL: 203 mm (8 in). CANNOT BE USED WITH: SOUND ATTENUATED ENCLOSURE (ENCSA72, ENCSA73, ENCSA74)		\$515
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Flanges

Shipped Loose.

6	EXCFL05	FLANGE/203 MM/8IN 0 TECHNICAL: 203 mm (8 in). CANNOT BE USED WITH: SOUND ATTENUATED ENCLOSURE (ENCSA72, ENCSA73, ENCSA74)		\$184
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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EXHAUST SYSTEM (CONT.)

Flexible Fittings

Shipped loose. Includes one set hardware and gasket to bolt to engine.

KB	EXCFF12	FLEXIBLE FITTING/203MM/8IN 0 TECHNICAL: 203 mm (8 in) x 305 mm (12 in) long with 8 bolt flanges at both ends. CANNOT BE USED WITH: SOUND ATTENUATED (ENCSA72, ENCSA73, ENCSA74)		\$477
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Flange and Exhaust Expanders

Shipped loose.

6	EXCFE09	FLANGE AND EXHAUST EXPANDER 0 TECHNICAL: 203 to 305 mm (8 to 12 in). CANNOT BE USED WITH: SOUND ATTENUATED ENCLOSURE (ENCSA72, ENCSA73, ENCSA74)		\$818
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Mufflers

Shipped loose. Refer to TMI for performance.

6	MUF0027	MUFFLER - 305 MM (12 IN) 0 TECHNICAL: Industrial Grade 15 dBA Attenuation. CANNOT BE USED WITH: SOUND ATTENUATED ENCLOSURE (ENCSA72, ENCSA73, ENCSA74)		\$1,997
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Muffler Installation Kits

Shipped loose

6	MUFMK06	THROUGH-WALL INSTALLATION KIT 0 CANNOT BE USED WITH: SOUND ATTENUATED ENCLOSURE (ENCSA72, ENCSA73, ENCSA74)		\$1,438
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FACTORY SUPPORT

Commissioning

6	FACCOM1	FACTORY COMMISSIONING 0 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.		\$7,575 NET
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GENERATORS AND GENERATOR ATTACHMENTS

Optional Generators

1500 RPM, 400 or 415 VOLT @ 50 HZ, 3 PHASE

6	OGNAR72	GENERATOR 1402 FRAME 1 BRG 4,851 **DEFAULT OFFERING for C32DR58 C32DR59 C32DR60** Generator Argv = 432-6118. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 TECHNICAL: See TMI for generator capability.		\$36,047
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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.)

1500 RPM, 400 or 415 VOLT @ 50 HZ, 3 PHASE (Cont.)

6	OGNAR73	GENERATOR 1424 FRAME 1 BRG 5,292 **DEFAULT OFFERING for C32DR57** Generator Argt = 432-6122. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 TECHNICAL: See TMI for generator capability.667	5,292	\$39,673
6	OGNAR84	GENERATOR 1402 FRAME 1 BRG 0 TECHNICAL: See TMI for generator capability. Generator Argt = 449-3887. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 COASTAL INSULATION PROTECTION	0	\$38,287
6	OGNAR84	GENERATOR 1402 FRAME 1 BRG 0 TECHNICAL: See TMI for generator capability. Generator Argt = 449-3887. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 COASTAL INSULATION PROTECTION CANNOT BE USED WITH: ULLIST	0	\$38,287
6	OGAR292	GENERATOR 1445 FRAME 1 BRG 0 Generator Argt = 449-6316. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 TECHNICAL: See TMI for generator capability.	0	\$42,164
6	OGPM467	GENERATOR 1402 FRAME 1 BRG 4,851 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6120. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	4,851	\$37,083
6	OGPM468	GENERATOR 1424 FRAME 1 BRG 5,292 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6124. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	5,292	\$40,704
6	OGPM637	GENERATOR 1445 FRAME 1 BRG 0 TECHNICAL: See TMI for generator capability. Generator Argt = 443-9674. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	0	\$43,196
6	OGNAR73	GENERATOR 1424 FRAME 1 BRG 5,292 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6122. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667	5,292	\$39,673
6	OGAR292	GENERATOR 1445 FRAME 1 BRG 0 TECHNICAL: See TMI for generator capability. Generator Argt = 449-6316. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667	0	\$42,164

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

1500 RPM, 400 or 415 VOLT @ 50 HZ, 3 PHASE (Cont.)

6	OGAR180	GENERATOR 1447 FRAME 2 BRG 6,614 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0520. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667	6,614	\$46,479
6	OGPM360	GENERATOR 1423 FRAME 2 BRG 5,291 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0448. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	5,291	\$51,072
6	OGPM367	GENERATOR 1447 FRAME 2 BRG 6,614 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0524. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,614	\$47,515
6	OGPM368	GENERATOR 1467 FRAME 2 BRG 6,614 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0450. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,614	\$58,368
6	OGPM593	GENERATOR 1402 FRAME 1 BRG 0 TECHNICAL: See TMI for generator capability. Generator Argt = 445-2620. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 COASTAL INSULATION PROTECTION	0	\$39,323
6	OGPM594	GENERATOR 1424 FRAME 1 BRG 0 TECHNICAL: See TMI for generator capability. Generator Argt = 349-2958. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 COASTAL INSULATION PROTECTION CANNOT BE USED WITH: ULLIST	0	\$42,944
6	OGPM369	GENERATOR 1488 FRAME 2 BRG 7,275 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0476. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	7,275	\$67,511
6	OGPM593	GENERATOR 1402 FRAME 1 BRG 0 TECHNICAL: See TMI for generator capability. Generator Argt = 445-2620. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 COASTAL INSULATION PROTECTION	0	\$39,323
6	OGPM594	GENERATOR 1424 FRAME 1 BRG 0 TECHNICAL: See TMI for generator capability. Generator Argt = 349-2958. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 COASTAL INSULATION PROTECTION CANNOT BE USED WITH: ULLIST	0	\$42,944

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

1800 RPM; 220, 240, 380, 400, 480 VOLT @ 60 HZ, 3 PHASE (Cont.)

6	OGNAR72	GENERATOR 1402 FRAME 1 BRG 4,851 **DEFAULT OFFERING** Generator Argt = 432-6118. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667 TECHNICAL: See TMI for generator capability.	4,851	\$36,047
6	OGPM467	GENERATOR 1402 FRAME 1 BRG 4,851 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6120. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	4,851	\$37,083
6	OGPM468	GENERATOR 1424 FRAME 1 BRG 5,292 REMOVES: OGNAR72 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6124. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	5,292	\$40,704
6	OGNAR74	GENERATOR 1402 FRAME 1 BRG 4,851 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6130. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667	4,851	\$38,746
6	OGNAR73	GENERATOR 1424 FRAME 1 BRG 5,292 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6122. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667	5,292	\$39,673
6	OGAR178	GENERATOR 1447 FRAME 2 BRG 6,614 TECHNICAL: See TMI for generator capability. Generator Argt = 343-4352. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667	6,614	\$49,762
6	OGPM360	GENERATOR 1423 FRAME 2 BRG 5,291 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0448. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	5,291	\$51,072
6	OGPM367	GENERATOR 1447 FRAME 2 BRG 6,614 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0524. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,614	\$47,515
6	OGPM786	GENERATOR 1424 FRAME 1 BRG 0 TECHNICAL: See TMI for generator capability. RTD option Generator Ar. = 448-3397. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	0	\$40,092
6	OGPM471	GENERATOR 1424 FRAME 1 BRG 5,292 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6132. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	5,292	\$43,457

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

1800 RPM; 220, 240, 380, 400, 480 VOLT @ 60 HZ, 3 PHASE (Cont.) (Cont.)

6	OGPM365	GENERATOR 1447 FRAME 2 BRG6,614 TECHNICAL: See TMI for generator capability. Generator Argt = 343-4350. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,614	\$50,747
6	OGAR177	GENERATOR 1445 FRAME 2 BRG5,952 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0440. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667	5,952	\$42,164
6	OGPM364	GENERATOR 1445 FRAME 2 BRG5,952 TECHNICAL: See TMI for generator capability. Generator Argt = 300-0444. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	5,952	\$43,196
6	OGPM359	GENERATOR 1422 FRAME 2 BRG5,071 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0446. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	5,071	\$47,366
6	OGPM368	GENERATOR 1467 FRAME 2 BRG6,614 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0450. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,614	\$58,368

1800 RPM, 600 VOLT @ 60 HZ, 3 PHASE

6	OGAR179	GENERATOR 1447 FRAME 2 BRG6,614 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0470. Winding = Random Wound, No. of Leads = 6 Excitation = Internally Excited, Pitch = .667	6,614	\$49,710
6	OGPM469	GENERATOR 1402 FRAME 1 BRG7,235 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6126. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	7,235	\$40,074
6	OGPM470	GENERATOR 1424 FRAME 1 BRG5,292 TECHNICAL: See TMI for generator capability. Generator Argt = 432-6128. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	5,292	\$43,874
6	OGPM366	GENERATOR 1447 FRAME 2 BRG6,614 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0474. Winding = Random Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,614	\$50,743

Medium Voltage Optional Generators

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

1500 RPM; 3300 VOLT @ 50 HZ, 3 PHASE

6	OGPM371	GENERATOR 1465 FRAME 2 BRG 6,173 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0514. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,173	\$60,881
6	OGPM372	GENERATOR 1487 FRAME 2 BRG 6,834 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0516. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,834	\$67,400

1800 RPM; 2400 or 4160 VOLT @ 60 HZ, 3 PHASE

6	OGPM371	GENERATOR 1465 FRAME 2 BRG 6,173 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0514. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,173	\$60,881
6	OGPM372	GENERATOR 1487 FRAME 2 BRG 6,834 TECHNICAL: See TMI for generator capability. Generator Argt = 301-0516. Winding = Form Wound, No. of Leads = 6 Excitation = Permanent Magnet, Pitch = .667	6,834	\$67,400

Space Heater

6	SHK0022	SPACE HEATER KIT 0 Provides heating for condensation control. REQUIRES: 1400 frame generator.	0	\$486
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STANDARD BASE

6	STDBSE2	STD BASE-1 BEARING GENERATOR 0 **DEFAULT OFFERING** TECHNICAL: Automatic Selection with 1400, 1420 and 1440 Frame, Single Bearing Generators. CANNOT BE USED WITH: 1460 and 1480 frame generators or 2 Bearing Generators.	0	\$7,321
6	STDBSE1	STANDARD BASE - 1 BEARING GEN 0 TECHNICAL: Automatic selection with 1400, 1420 and 1440 Frame, 2 Bearing Generators CANNOT BE USED WITH: 1460 and 1480 frame generators or 1402 and 1424 frame, Single Bearing Generators.	0	\$7,321

LONG BASE

6	MNTWB05	LONG BASE 92 REMOVES: STDBSE2 ONLY FOR USE WITH: 1460 or 1480 Frame Generator CANNOT BE USED WITH: 1402, 1422, 1423, 1424, 1425, 1445, 1447 frame generators	92	\$8,285
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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.)

ENCLOSURE BASE EXTENSION

6	EXTEN23	BASE EXTENSION 0 Automatic Selection when a single bearing generator is selected with and enclosure. Required when STDBSE2 is used with (ENCSA72, ENCSA73, ENCSA74) CANNOT BE USED WITH: STDBSE1		NC
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USE	REF NO.	OPTIONAL ATTACHMENTS					Ship Weight lbs	List Price At Factory
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OPTIONAL GENERATORS TABLES (LV & MV)

All with RTD's standard

60 HZ 220 VOLTS							
Desc.	Code	SB	Prime	Cont	F-Code	Frame	
RW/IE	1000S/SC	105	105		OGAR178	1447/2B	
RW/PM	1000S/SC	150	125	105	OGPM471	1424/1B	
		105	105		OGPM365	1447/2B	
60 HZ 240 VOLTS							
Desc.	Code	SB	Prime	Cont	F-Code	Frame	
RW/IE	1000S/SC	150	125	105	OGNAR74	1402/1B	
		105	80		OGAR178	1447/2B	
RW/PM	1000S/SC	125	105	80	OGPM471	1424/1B	
		105	80		OGPM365	1447/2B	
60 HZ 380/400 VOLTS							
Desc.	Code	SB	Prime	Cont	F-Code	Frame	
RW/PM	1000S/SC	150	150	150	OGPM786	1424/1B	
		125	125	125	OGPM786	1424/1B	
		125	125	125	OGPM786	1424/1B	
		105	105	105	OGPM786	1424/1B	
RW/PM	1000S/SC	150	150	150	OGPM786	1424/1B	
		125	125	125	OGPM786	1424/1B	
		105	105	105	OGPM786	1424/1B	
			80	80	OGPM786	1424/1B	
60 HZ 480 VOLTS							
Desc.	Code	SB	Prime	Cont	F-Code	Frame	
RW/IE	1000S/SC	125	105	80	OGNAR72	1402/1B	
		105	80		OGNAR73	1424/1B	
		80			OGAR177	1445/2B	
RW/IE/ CIP	1000S/SC	150	125	105	OGNAR84	1402/1B	
RW/PM	1000S/SC	125	105	80	OGPM467	1402/1B	
		105	80		OGPM468	1424/1B	
		80	80		OGPM364	1445/2B	
RW/PM CIP	1000S/SC	150	125	105	OGPM593	1402/1B	
		105	105	80	OGPM594	1424/1B	
FW/PM	1000S/SC	150	125	105	OGPM359	1422/2B	
		125	105	80	OGPM360	1423/2B	
		80	80		OGAR368	1467/2B	
60 HZ 600 VOLTS							
Desc.	Code	SB	Prime	Cont	F-Code	Frame	
RW/IE	1000S/SC	80	80		OGAR179	1447/2B	
RW/PM	1000S/SC	150	125	105	OGPM469	1402/1B	
		105	105	80	OGPM470	1424/1B	

Supersedes 01JAN2017
Caterpillar: Confidential Green
PSNA-EPG-F C

Subject to change without notice
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UNITED STATES DOLLAR

Effective 01JAN2018

EPG-C32 PGBG-048

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

OPTIONAL GENERATORS TABLES (LV & MV) (Cont.)

80 80 OGPM366 1447/2B

60 HZ 2400 VOLTS

Desc. Code SB Prime Cont F-Code Frame

FW/PM 1000S/SC 125 105 80 OGPM371 1465/2B
 80 80 OGPM372 1487/2B

60 HZ 4160 VOLTS

Desc. Code SB Prime Cont F-Code Frame

FW/PM 1000S/SC 125 105 80 OGPM371 1465/2B
 80 80 OGPM372 1487/2B

50 HZ 400/415 VOLTS

Desc. Code SB Prime Cont F-Code Frame

RW/IE	1250F	150	125		OGNAR73	1424/1B
		125	105		OGAR292	1445/1B
RW/IE	1100F	150	125	105	OGNAR72	1402/1B
		125	105	80	OGNAR73	1424/1B
		105	80		OGAR292	1445/1B
		80			OGAR180	1447/2B
RW/IE	1100F	150	125	105	OGNAR84	1402/1B
CIP						
RW/PM	1250F	150	125		OGPM468	1424/1B
		125	105		OGPM637	1445/1B
RW/PM	1100F	150	125	105	OGPM467	1402/1B
		125	105	80	OGPM468	1424/1B
		105	80		OGPM637	1445/1B
		80			OGPM367	1447/2B
RW/PM	1100F	150	125	105	OGPM593	1402/1B
CIP		125	105	80	OGPM594	1424/1B
FW/PM	1100F	150	125	105	OGPM360	1423/2B
		105	80	80	OGPM368	1467/2B
		80			OGPM369	1488/2B

50 HZ 3300 VOLTS

Desc. Code SB Prime Cont F-Code Frame

FW/PM	1100F	150	125	105	OGPM371	1465/2B
		105	80	80	OGPM372	1487/2B

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LUBE SYSTEM

6	OLVLRG1	OIL LEVEL REG-1-SHALLOW PAN 0 Maintains safe oil level in pan from customer provided gravity-fed oil supply. CANNOT BE USED WITH: EPA Stationary Emergency packages C32DR60 or (C32DR59 when OPTDS16 is selected) or (C32DR58 when OPTDS16 is selected)		\$470
6	OPTDS16	186L OIL PAN 0 ONLY FOR USE WITH: C32DR57 C32DR58 C32DR59. CANNOT BE USED WITH: C32DR60 or (C32DR59 when OLVLRG1 is selected) or (C32DR58 when OLVLRG1 is selected).		\$1,183

Prelube Pumps

6	OPAMSP2	MANUAL SUMP PUMP 0 REQUIRES: Guard and Shield System. for UL2200 List or EUROPEAN DIRECTIVE GENSET DOC (EUDGDOC) are compatible with this option and should be selected if UL2200 listing or EUROPEAN DIRECTIVE GENSET DOC (EUDGDOC) are selected. If UL2200 Listing or EUROPEAN DIRECTIVE GENSET DOC (EUDGDOC) are not selected, Guard and Shield System for manual pre-Lube with sump pump must be selected. Selection of ATAAC Exhaust Line Guards (GRD0008, GRD0009, or GRD0012)		\$821
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MOUNTING SYSTEM

6	VIBI67	STANDARD PACKAGE ISOLATORS 0 **DEFAULT OFFERING** TECHNICAL: Provides shipped loose rubber isolators to be placed under the package rails. CANNOT BE USED WITH: SOUND ATTENUATED ENCLOSURE ENCSA72, ENCSA73, ENCSA74, C32DR57		\$202
6	VIBI68	RADIATOR ISOLATORS 0 **DEFAULT OFFERING** TECHNICAL: Provides shipped loose rubber isolators to be placed under the radiator rails. CANNOT BE USED WITH: SOUND ATTENUATED ENCLOSURE ENCSA72, ENCSA73, ENCSA74, C32DR57		\$154

Options

6	VIBIS49	SPRING TYPE VIBRATION ISOLATOR 876 REMOVES: VIBI67 & VIBI68 TECHNICAL: Shipped loose. Spring-type vibration isolators for seismic applications. CANNOT BE USED WITH: Sound Attenuated Enclosure ENCSA72, ENCSA73, ENCSA74		\$3,369
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MOUNTING SYSTEM (CONT.)

Options (Cont.)

6	VIBIS47	SPRING TYPE VIBRATION ISOLATOR 124 REMOVES: VIBI67 & VIBI68 TECHNICAL: Shipped loose. Spring-type vibration isolators with 95% efficiency. CANNOT BE USED WITH: Sound Attenuated Enclosure ENCSA72, ENCSA73, ENCSA74 Default vibration isolators on C32DR57		\$927
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POWER CONNECTIONS

LV POWER CONNECTION CABLE SUMMARY

Selection required for left/right/rear mounted buss bars and circuit breakers.
 The power cables are required for each left, right and/or rear power connection (circuit breaker/buss bars) on LV packages. No cables are required for the DEFAULT top cable entry, center post buss bars.
 Pricing Strategy
 The pricing for the internal circuit breaker cables is dependent upon the frame size, amperage, and mounting of the circuit breaker or buss bar.
 This pricing is in addition to the circuit breaker and buss bar pricing.
 The prices are for manual price work-up reference only. The ISA/PSQ configurator will automatically select the appropriate internal power cable based upon each circuit breaker or buss bar selections.
 NOTE: Pricing applies to 1400 frame sizes.

6	PCR0001	NSJ BKR,400A,3 POLE 0		\$603
6	PCR0002	NSJ BREAKER, 400A, 3 POLE 0		\$603
6	PCR0009	P FRAME BREAKER - 3 POLE 0		\$1,527
6	PCR0010	P FRAME BREAKER - 3 POLE 0		\$1,527
6	PCR0011	P FRAME BREAKER - 4 POLE 0		\$1,527
6	PCR0012	P FRAME BREAKER - 4 POLE 0		\$1,527
6	PCR0013	R FRAME - 3 POLE 0		\$2,043
6	PCR0014	R FRAME - 3 POLE 0		\$2,043
6	PCR0064	BOTTOM CABLE ENTRY 0		\$2,043
6	PCR0049	RIGHT SIDE BUS BAR CONNECTION 0		\$2,441
6	PCLH001	NSJ BREAKER, 400A, 3 POLE 0		\$603
6	PCLH002	NSJ BREAKER, 400A, 3 POLE 0		\$603

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POWER CONNECTIONS (CONT.)

LV POWER CONNECTION CABLE SUMMARY (Cont.)

6	PCLH009	P FRAME BREAKER	0	\$1,527
6	PCLH010	P FRAME BREAKER - 3 POLE	0	\$1,527
6	PCLH013	R FRAME	0	\$2,043
6	PCLH014	R FRAME - 3 POLE	0	\$2,043
6	PCLH051	LEFT SIDE BUS BAR CONNECTION	0	\$2,441
6	PCB0009	P FRAME,3 POLE,BTM CABLE ENTRY	0	\$1,000
6	PCB0010	P FRAME,3 POLE,TOP CABLE ENTRY	0	\$1,000
6	PCB0011	P FRAME,4 POLE,BTM CABLE ENTRY	0	\$1,000
6	PCB0012	P FRAME,4 POLE,TOP CABLE ENTRY	0	\$1,000
6	PCB0013	R FRAME,3 POLE,BTM CABLE ENTRY	0	\$1,228
6	PCB0014	R FRAME,3 POLE,TOP CABLE ENTRY	0	\$1,228
6	PCB0017	MASTERPACT, 3 POLE, < 4000A	0	\$1,342
6	PCB0018	MASTERPACT, 3 pole, < 4000A	0	\$1,342
6	PCB0019	MASTERPACT, 4 POLE	0	\$1,342
6	PCB0020	MASTERPACT, 4 POLE	0	\$1,342
6	PCB0067	REAR BUS BAR CONNECTION	0	\$1,676

SPECIAL TESTS/REPORTS

Special Tests/Reports

6	TSPCSA4	CSA TEST AND CERTIFICATION	0	NC
		REQUIRES: Neutral Grounding Connection		
		ONLY FOR USE WITH: Generators and Package Generator Sets with or without installed circuit breakers, low or medium voltage.		
		CANNOT BE USED WITH: IEC type circuit breakers		
6	NGRDCNN	NEUTRAL GROUND-LV	0	\$269
		ONLY FOR USE WITH: Side Mounted Power Connections. UL2200 (ULList) and CSA Test and Certification. Medium Voltage Packages		
		CANNOT BE USED WITH: NGRDCNC		
6	NGRDCNC	NEUTRAL GROUNDING CONNECTION	0	\$264
		REQUIRES: when EUDGDOC is selected		
		ONLY FOR USE WITH: 1400 Frame Generators. UL2200 (ULList) and CSA Test and Certification. Low Voltage Packages.		
		CANNOT BE USED WITH: NGRDCNN		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
SPECIAL TESTS/REPORTS (CONT.)				
<i>Special Tests/Reports (Cont.)</i>				
6	TRSGEN2	PGS TEST REPORT @ 1.0 PF 0 Test will be performed in accordance with 3L-0284 and must be requested prior to factory build. Test takes about two hours. Results at full load reported are: engine RPM, frequency, average voltage, line to line voltages for all three phases, average current, line currents for all three phases, and observed power--all at unity power factor. Engine RPM, average voltage, and line to line voltages for all three phases are reported at no load.		\$324 NET
6	TRSGEN7	PGS TEST REPORT @ 0.8 PF 0 Test performed in accordance with 3L-0438 and must be requested prior to factory build. Results at full load reported are: engine rpm, frequency, average voltage, line-to-line voltages for all three phases, average current, line currents for all three phases, and observed power--all at 0.8 power factor. Engine rpm, average voltage and line-to-line voltages for all three phases are reported at no load.		\$324 NET
6	TRSGEN1	GENERATOR TEST REPORT 0 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.		\$324 NET
6	TVATRS1	STANDARD GENSET TVA REPORT 0 Provides Standard Gen Set Torsional Vibration Analysis (TVA) Report for a selected Caterpillar engine and Caterpillar generator combination. Not available for custom generators. For custom generator TVA reports use TVATRS2. See Engine Data Sheet 73.3 for the report number to be requested. Report number should be shown on the order request.		\$382 NET

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

Special Tests/Reports (Cont.)

6	TVATRS2	<p>CUSTOM GENSET TVA REPORT 0</p> <p>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 antular displacement. approximate nodal locations of the complete elastic system 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.</p> <ol style="list-style-type: none"> 1. The operating speed range. 2. Load demand curve on sets which have a load dependent variable rigidity coupling. 3. General arrangement drawing or sketch of complete system, including data on special crankshaft pulleys and equipment driven from front of engine. 4. With driven equipment on both ends of the engine, the horsepower demand of each end is required. In addition, TECHNICAL DATA REQUIRED: <ol style="list-style-type: none"> 1. The operating speed range. 2. Load demand curve on sets which have a load dependent variable rigidity coupling. 3. General arrangement drawing or sketch of complete system, including data on special crankshaft pulleys and equipment driven from front of engine. 4. With driven equipment on both ends of the engine, the horsepower demand of each end is required. In addition, simultaneous front and rear horsepower (maximum engine load) is required. 5. Make, model, WR2 and torsional rigidity on all couplings used between the engine and driven equipment. 6. WR2 of each rotating mass. Weight of each reciprocating mass. (Needed for all pumps, compressors, gears, pinions, propellers.) 7. Torsional rigidity and minimum shaft diameter or detailed dimensions of all shafting in the driven system whether separately mounted or installed in a housing. <p>ADDITIONALLY, if an order has not been placed, the following information must also be submitted:</p> <ol style="list-style-type: none"> 1. Damper part number (not top level or pricing arrgt.) 2. Flywheel part number (not top level or pricing arrgt.) 3. Horsepower 4. Operating speed 5. Coupling part number; or indicate one or two-bearing 	0	\$1,047 NET
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SPECIAL TESTS/REPORTS (CONT.)

Lane02

6	TRSENG1	STD ENGINE TEST CHARGE 0 Test will be performed in accordance with 3L-0436 and must be requested prior to factory build. The test takes about one hour. There is no assurance that the engine will be tested at the rating specified in the order. Test results reported are: Rack setting, full load BHP, turbocharger boost (if applicable), fuel rate at full load, lube oil pressure, RPM at rated speed and high idle.		\$324 NET
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SPECIAL PACKING/INSPECTIONS FOR SHIPMENT

Special Packing for Shipping

6	DPX0001	DOMESTIC PACK-EXPORT CONTAINER 0 REQUIRES: 46 CV, 46 CVD, 46 CVS installed radiators must be boxed separately. See "Required Radiators f/u/w Export Boxing or Containerized Shipment". 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.

6	DPX0002	DOMESTIC PACK FOR EXPORT 0 Does not include any packing. Only adds markings for export shipment. REQUIRES: Optional ship-loose radiator for 46 and above. ONLY FOR USE WITH: Engines or miscellaneous parts and attachments (all models on rails or requiring skids).		NC
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Export Boxing

6	EXB0012	BOX FOR EXPORT W/GEN 0		\$1,324 NET
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Shrink Wrap Protection - Package Gen Sets

Plastic shrink wrap provides approximately one year external protection from moisture, sun, and wind under transport and storage conditions. If engine is to be stored outside for an extended period of time, consider also specifying Storage Preservation

6	SWP0003	SHRINK WRAP PROTECTION 0		\$267 NET
6	EXP0003	PACK FOR AIR FREIGHT 0 Engines or miscellaneous parts and attachments -- all models.		NC

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SPECIAL PACKING/INSPECTIONS FOR SHIPMENT (CONT.)

Storage Preservation

6	SRP0017	STORAGE PRESERVATION 0 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. TECHNICAL: NA with packages without radiator or with heat exchanger.		\$444 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.

6	MISCHC1	S.G.S. INSPECTION 0 S.G.S. inspection covers all contents of a given order.		\$432 NET
6	MISCHC2	MISCELLANEOUS INSPECTION 0 All other inspection agencies. Specify agency name, address, contact, and phone number.		\$432 NET

STARTING/CHARGING SYSTEM

Battery Chargers

24 VDC output for use with lead acid or nicad batteries. Current limiting - no need for crank disconnect relay. Not warranted or serviced by Caterpillar Inc.

6	BTC1032	BATTERY CHARGER 10 AMP 0 Includes: low voltage and AC failure alarm outputs. DC Ammeter and Voltmeter. Meets requirements of NFPA 99 and NFPA 110. TECHNICAL: For 120-208-240 VAC input. Regulated. 2-rate charging with automatic switching from equalize to float. CANNOT BE USED WITH: BTC1037		\$1,171
6	BTC1037	ENCLOSURE BATER CHGR (INSTLD) 0 TECHNICAL: Includes: low voltage and AC failure alarm outputs. DC Ammeter and Voltmeter. Meets requirements of NFPA 99 and NFPA 110. For 120-208-240 VAC input. Regulated. 2-rate charging with automatic switching from equalize to float. REQUIRES: BAT2402 or BAT2429 ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: BTC1032, IBCERT		\$1,368

Open Package Battery Sets - 24 Volt-Dry

Shipped loose. Low maintenance, high output.

6	BAT2431	STANDARD PACKAGE BATTERIES 0 **DEFAULT OFFERING** CANNOT BE USED WITH: Sound Attenuated Enclosure ENCSA72, ENCSA73, ENCSA74		\$1,295
6	NOBAT01	NO BATTERIES RACK OR CABLE 0 REMOVES: BAT2431		NC

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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STARTING/CHARGING SYSTEM (CONT.)

Open Package Battery Sets - 24 Volt-Dry (Cont.)

6	BAT2416	OVERSIZE BATTERY 0 REMOVES: BAT2431 CCA rating 1300, 190 ampere hours. Includes 2 batteries. TECHNICAL: -30 to -12 C (-22 to 10 F). Starting aid recommended below 0 C (32 F). Jacket water heater recommended for 10 second starting above 20 C (68F). CANNOT BE USED WITH: Sound Attenuated Enclosure ENCSA72, ENCSA73, ENCSA74		\$1,705
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Enclosure Battery Sets - 24 Volt-Dry (Installed)

6	BAT2402	24V BATTERY SET-DRY 1000 CCA 0 REMOVES: BAT2431 TECHNICAL: Provides installed Standard Batteries for the Sound Attenuated Enclosure ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: BAT2429		\$1,295
6	BAT2429	ENCLOSURE HEAVY DUTY BATTERY 0 REMOVES: BAT2431 TECHNICAL: Provides installed Oversized Batteries for the Sound Attenuated Enclosure ONLY FOR USE WITH: ENCSA72, ENCSA73, ENCSA74 CANNOT BE USED WITH: BAT2402		\$1,525

Electric Starting Motors - Dual 24 Volt

6	ELSM248	ELEC. START MOTOR - HEAVY DUTY 0 TECHNICAL: Dual 50MT 24VDC -30 to 20C (-22 to 68F). Second starter motor supplied in black. REQUIRES: BAT2416 when no enclosure is selected, BAT2429 when enclosure is selected. CANNOT BE USED WITH: NOBAT01		\$1,422
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Starting Aids

6	JWH0124	JACKET WATER HEATER 0 TECHNICAL: 240 Vac, 60 Hz, Single Phase, 9kW 208 Vac, 60 Hz, Single Phase, 6.75kW 220 Vac, 50 Hz, Single Phase, 9kW Meets requirements of NFPA 110 when used in OC (32F) minimum air temperature with 134 m/min (440 fpm) maximum air flow.		\$3,252
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Starting Aids

6	SASETH8	ETHER STARTING AID 0 Installed. Ether container not included. Provides TECHNICAL: switch mounted with EMCP4 controls. ONLY FOR USE WITH: EMCP4.2 CANNOT BE USED WITH: ULLIST or EMCP4.3 or EMCP4.4		\$241
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STARTING/CHARGING SYSTEM (CONT.)

Starting Aids (Cont.)

6	SASETH8	ETHER STARTING AID 0 Installed. Ether container not included. Provides TECHNICAL: switch mounted with EMCP4 controls. ONLY FOR USE WITH: EMCP 4.3 & EMCP 4.4. CANNOT BE USED WITH: ULLIST or EMCP 4.2.		\$241
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Genset Start Options

6	GENSTM3	GENSET START POWER-SINGLE 335 TECHNICAL: Provides one genset start module, 24VDC, 1725CCA for engine-cranking batteries. Requires 30kVA from a continuous power source. Shipped loose.		\$9,735 NET
6	GENSTM4	GENSET START POWER-DUAL 670 TECHNICAL: Provides two genset start modules, each rated 24VDC, 1725CCA for engine-cranking batteries. Requires 30kVA per module from a continuous power source. Shipped loose. ONLY FOR USE WITH: Electric Starting Motors - Dual.		\$19,481 NET
6	EXPFW03	EXPORT CRATING-FLYWHEEL 0 REQUIRES: GENSTM3		\$3,422 NET
6	EXPFW04	EXPORT CRATING-FLYWHEEL 0 REQUIRES: GENSTM4		\$4,547 NET

GENERAL

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