

SCAC WITH PACKAGE MOUNTED RAD (3)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

Product Consist:

### PRICING INFORMATION

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

Net price items are subject to no further discounts.

All prices are installed list prices unless otherwise specified.

\*SHIPMENT DATE SPECIFIC PRICING IS BEST FOUND THROUGH THE PSQ AND ISA QUOTING TOOLS\*.

### AVAILABILITY

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

### DESIGN TO ORDER (DTO)

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

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

A DTO will require an application and installation (A & I) marketing quote. For further information contact the Application Support Center. Requests for special ratings not listed in the Price List should also be sent to the Application Support Center. If the special rating is possible, it may also require a DTO and could require additional processing time if the appropriate details have not yet been established.

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

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

### DEALER SPECIFIC PRICING TERMS

To obtain the latest specific conditions from Caterpillar to individual Cat dealers please use Engine Order Management Process (EOMP) quoting and order tools like ISA or PSQ. For questions or special requests, please contact your Caterpillar representative.

### TECHNICAL PERFORMANCE DATA

Technical performance data and Engine rating information is available in Power Net at <https://engines.cat.com>. Under the quick links, select TMI Web. Once in TMI select TMI Performance Definitions.

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

### RATINGS GUIDE

The EPG Ratings Guide may be ordered through Media Logistics by calling + 1 (800) 566-7782 or + 1 (309) 266-0942. The current EPG

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## RATINGS GUIDE (CONT.)

Ratings Guide media number for Cat Generator Sets is LEXE7582 or LEXE7581 for Olympian Generator Sets.  
Current EPG ratings are also available by accessing the Electronic Media Center at <https://emc.cat.com> and on Power Net at <https://engines.cat.com>, select Electric Power then select References/Sales Tools.

## AIR INLET SYSTEM

Air Cleaner; 4 x single element canister with service indicator(s).

## CONTROL PANELS

Control Panel  
EMCP4 controls including:  
Emergency stop pushbutton.  
EMCP4.2 controller including:  
24-volt DC operation.  
Environmental sealed front face.  
Text alarm/event descriptions.  
Generator mounted - rear facing.  
Controls:  
Speed adjust.  
Auto/start/stop control.  
Engine cool-down timer.  
Engine cycle crank.  
Alarm acknowledge.  
Lamp test.  
True RMS AC metering, 3-phase, +/-2% 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 PANELS (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

## COOLING SYSTEM

See TMI for heat rejection requirement and pump performance.  
SCAC cooling.  
Radiator Group Shipped loose.  
Fan and belt guards  
Coolant drain line and valves  
Coolant Sensor - (2 x shipped loose: 1/4-18 and 1/2-14 NPTF).

## EXHAUST SYSTEM

Dry Exhaust Manifold  
Bolted Flange (ANSI 6" & DIN 150) with bellow for each turbo (Qty 4)

## FUEL SYSTEM

Primary Fuel Filter w/ Fuel Water Separator  
10 Micron Spin On Type  
Shipped loose - 3 Filters  
Can be mounted on Frame Rails (Requires dealer provided flex)  
Secondary / tertiary fuel filters  
4 Micron Spin On Type  
Engine Mounted - 3 Filters

## GENERATORS AND GENERATOR ATTACHMENTS

3 Phase Brushless, Salient Pole.  
6 lead  
IEC Platinum Stator RTDs (.00385 Temp coefficient)  
Caterpillar's Digital Voltage Regulator (CDVR).  
- CDVR includes Reactive droop capability, 3-Phase voltage sensing, KVAR/PF modes, RFI suppression, min/max exciter limiter and exciter diode monitor.  
1800 Frame Generators (LV/MV)  
Form Wound  
Permanent Magnet  
NEMA Class H insulation, Class H temperature rise at 40C ambient (125C prime/150C standby)  
(LV) Bus bar connections, top/center mounted, top cable entry  
- 60 Hz models: NEMA standard hole pattern.  
- 50 Hz models: IEC standard hole pattern.  
(MV) Bus bar connections, right side extension box, bottom cable entry  
- 60 Hz models: NEMA standard hole pattern.  
- 50 Hz models: IEC standard hole pattern.  
3000 Frame Generators (MV/HV)  
Form Wound  
Permanent Magnet

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## GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

Anti Condensation Space Heater  
NEMA Class H insulation, Class F temperature rise at 40C ambient  
(105C prime/130C standby)  
Right side extension box, bottom cable entry

### GOVERNING SYSTEM

ADEM A4  
Redundant Shutdown (Overspeed protection through a duplicate speed sensing system)

### 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.  
Prelube - required with prime, continuous, and standby.

### MOUNTING SYSTEM

Rails - Engine/Generator  
Rubber anti-vibration mounts (shipped loose).  
Dual 24-volt electric starting motors  
Batteries and battery rack w/cables.  
Battery disconnect switch

### SERVICE INSTRUCTIONS

Two PM Inspections

### GENERAL

PAINT  
Caterpillar Yellow with high gloss black rails & radiator.  
RH Service (except oil filter service 60 Hz models: left hand service.  
50 Hz models: right hand service.)  
Flywheel and flywheel housing-SAE No. 00.  
SAE standard rotation.

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**50 HZ, 1500 RPM, LOW BSFC**

**50 Hz, 1500 RPM, 400V, 3 PHASE**

These packages can be used configure 380 and 415 VOLT packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.

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<p><b>3      175DE87    C175-16 50 HZ PGS.</b>..... 0</p> <p>Standby = 3000 kVA, Prime = 2725 kVA, Continuous = 2500 kVA.                      With fan rating:                      With Package Mounted Radiator. Ambient capability 40 C at standby rating.                      Radiator = 259-9167.                      Engine = C175-16.                      Cooling System = SCAC.                      Generator Argt = 372-3064, Frame = 1866 / 2B.                      Generator Winding = FW, No of Leads = 6, Pitch = 2/3.                      NEMA Class Gen Temp Rise: Standby = 150C.                      Prime = 125C, Continuous = 105C.</p>	0	\$723,373
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<p><b>3      175DR87    REF175DE87, LF0048, LF0102.</b>..... 0</p>	0	\$419,550
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**50 HZ, 1500 RPM, 3300V, 3 PHASE**

<b>3</b>	<b>175DE90</b>	<b>C175-16 50 HZ PGS.</b> ..... 0 Standby = 3000 kVA, Prime = 2725 kVA, Continuous = 2500 kVA. With fan rating: With Package Mounted Radiator. Ambient capability 40 C at standby rating. Radiator = 259-9167 Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3060, Frame = 1846 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	<b>\$738,993</b>
<b>3</b>	<b>175DR90</b>	<b>REF175DE90, LF0028, LF0102.</b> ..... 0	<b>\$409,516</b>

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**50 HZ, 1500 RPM, 10500/11,000V, 3 PHASE**

**These packages can be used configure 6300, 6600, 6900 and 10,000 volt packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.**

3	175DE93	<b>C175-16 50 HZ PGS.</b> . . . . . 0 Standby = 3000 kVA, Prime = 2725 kVA, Continuous = 2500 kVA. With fan rating: With Package Mounted Radiator. Ambient capability 40 C at standby rating. Engine = C175-16. Radiator = 259-9167 Cooling System = SCAC. Generator Argt = 375-3668, Frame = 3020 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 80C.	<b>\$848,996</b>
3	175DR93	<b>REF175DE93, LF2070,LF01.0.2</b> . . . . . 0	<b>\$407,824</b>

**50 HZ, 1500 RPM, LOW EMISSION**

**50 Hz, 1500 RPM, 400V, 3 PHASE**  
**These packages can be used configure 380 and 415 VOLT packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.**

3	175DE24	<b>C175-16 50 HZ P.G.S.</b> . . . . . 0 Standby = 3000 kVA With fan rating: With Package Mounted Radiator. Ambient capability 40 C at standby rating. Radiator = 259-9167 Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3064, Frame = 1866 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C.	<b>\$723,373</b>
3	175DR24	<b>REF175DE24, LF0048, LF0058</b> . . . . . 0	<b>\$419,550</b>



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**50 HZ, 1500 RPM, 3300V, 3 PHASE**

3	175DE27	<b>C175-16 50 HZ P.G.S.</b> ..... 0 Standby = 3000 kVA With fan rating: With Package Mounted Radiator. Ambient capability 40 C at standby rating. Radiator = 259-9167 Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3060, Frame = 1846 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C.	<b>\$738,845</b>
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3	175DR27	REF175DE27, LF0028, LF0058. .... 0	<b>\$409,520</b>
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**50 HZ, 1500 RPM, 10500/11,000V, 3 PHASE**

**These packages can be used configure 6300, 6600, 6900 and 10,000 volt packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.**

3	175DE30	<b>C175-16 50 HZ P.G.S.</b> ..... 0 Standby = 3000 kVA (LF0058) With fan rating: With Package Mounted Radiator. Ambient capability 40 C at standby rating. Engine = C175-16. Radiator = 259-9167 Cooling System = SCAC. Generator Argt = 375-3668, Frame = 3020 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C.	<b>\$848,996</b>
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3	175DR30	REF175DE30, LF0031, LF0058 ..... 0  STANDARD Configurations 50 Hz Package PAs - Configuration PAs and Part Numbers	<b>\$407,824</b>
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Package	Feature CODE	Feature CODE	Feature CODE	Feature Code	Feature Code	Feature Code
-----	175DE87	175DE90	175DE93	175DE24	175DE27	175DE30
REF PACKAGE	175DR87	175DR90	175DR93	175DR24	175DR27	175DR30
PRIME FF	FFFWS01	FFFWS01	FFFWS01	FFFWS01	FFFWS01	FFFWS01
GENERATOR	OGPM701	OGPM563	OGPM574	OGPM701	OGPM563	OGPM574
HCPD	HCPD003	HCPD003	HCPD003	HCPD003	HCPD003	HCPD003
BATTERY	BAT1214	BAT1214	BAT1214	BAT1214	BAT1214	BAT1214
CONTROL PANEL	BOXGEN2	BOXGEN1	CUSTCN1	BOXGN17	BOXGN18	CUSTCN3
VOLT & CURR						
SENSING	VOLSEN1	BUSBRN2	-----	VOLSEN1	BUSBRN2	-----
CONTROL GP-UIP	EMCP42	EMCP42	EMCP42	EMCP42	EMCP42	EMCP42
COVER GP-SPACE						
HTR THERM	-----	-----	CVR0027	-----	-----	CVR0027
COVER GP-SIDE	CVR0010	CVR0010	-----	CVR0010	CVR0010	-----
COVER GP(ANNUN)	CVR0017	CVR0017	CVR0017	CVR0017	CVR0017	CVR0017
COVER GP-JW	CVR0025	CVR0025		CVR0025	CVR0025	
BUS BAR	BUSBCI1	-----	-----	BUSBR12	-----	-----
RADIATOR	RADTF39	RADTF39	RADTF40	RADTF39	RADTF39	RADTF40
ELEK GP-A6001	LANENGC	LANENGC	LANENGC	LANENGC	LANENGC	LANENGC
CLEANER GP	ACLSS04	ACLSS04	ACLSS04	ACLSS04	ACLSS04	ACLSS04
CONNECTN GP-OIL	LUBOD01	LUBOD01	LUBOD03	LUBOD03	LUBOD03	LUBOD03
VIBRATION ISOLTR	VIBIS41	VIBIS41	VIBIS43	VIBIS41	VIBIS41	VIBIS43
ELEC STRTNG MTR	ELSM240	ELSM240	ELSM240	ELSM240	ELSM240	ELSM240
COVER GP-STRTR	CVR0023	CVR0023	CVR0023	CVR0023	CVR0023	CVR0023
COVER GP-SIDE EXT						
(BOTTOM)	-----	CVR0015	-----	-----	CVR0015	-----
AUXILIARY PLATE	AUXPNLL	-----	-----	AUXPNLL	-----	-----
COVER GP-REAR	CVR0013	CVR0013	-----	CVR0013	CVR0013	-----
PLUG GP-PNL LTS	PLUG004	PLUG004	-----	PLUG004	PLUG004	-----
CONTROL GP -						
PANEL MTG LOC	UIPBBHS	UIPBBHS	-----	UIPBBHS	UIPBBHS	-----
AC/DC CONTROL						
PANEL LOC	CUSTCNR	CUSTCNR	-----	CUSTCNR	CUSTCNR	-----
OIL-BULK	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1
BREATHER GP	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1
COVER GP-W/O						
CHG ALTERNATOR	CVR0026	CVR0026	CVR0026	CVR0026	CVR0026	CVR0026
PRELUB COVER	CVR0020	CVR0020	CVR0020	CVR0020	CVR0020	CVR0020
OIL PAN & GAGE	OILPN01	OILPN01	OILPN01	OILPN01	OILPN01	OILPN01
FILTER GP PRIMARY						
OIL	SPLEX02	SPLEX02	SPLEX02	SPLEX02	SPLEX02	SPLEX02
WIRING GP (W/O CYL						
TEMP SENSORS)	WIRGP06	WIRGP06	WIRGP06	WIRGP06	WIRGP06	WIRGP06
COVER GP EXP						
RELIEV	CVR0021	CVR0021	CVR0021	CVR0021	CVR0021	CVR0021
ETHER PLUG	PLUG005	PLUG005	PLUG005	PLUG005	PLUG005	PLUG005
FITTING GP-EXH	EXHB001	EXHB001	EXHB001	EXHB001	EXHB001	EXHB001
PLUG GP-AIS	PLUG006	PLUG006	PLUG006	PLUG006	PLUG006	PLUG006
PLUG GP-TURB SPD	PLUG003	PLUG003	PLUG003	PLUG003	PLUG003	PLUG003
PLUG GP-AFTTRCLR	AFTP001	AFTP001	AFTP001	AFTP001	AFTP001	AFTP001

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**60 HZ, 1800 RPM, LOW BSFC**

**60 Hz, 1800 RPM, 480/277V, 3 PHASE**

**These packages can be used configure 600 volt packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.**

3	175DE69	<b>C175-16 60 HZ PGS.</b> . . . . . 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: With Package-Mounted Radiator. Ambient capability 40 C at standby Radiator = 296-0410. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3064, Frame = 1866 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$756,450
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3	175DR69	REF175DE69 LF0013, LF0100 . . . . . 0	\$418,959
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**60 Hz, 1800 RPM, 4160V, 3 PHASE**

3	175DE72	<b>C175-16 60 HZ PGS.</b> . . . . . 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: With Package-Mounted Radiator. Ambient capability 40 C at standby Radiator = 296-0410. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3060, Frame = 1846 / 2. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$766,423
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3	175DR72	REF175DE72 LF0001, LF0100 . . . . . 0	\$404,013
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**60 Hz, 1800 RPM, 12470V, 3 PHASE**

**These packages can be used configure 6300, 6600, 6900, 13,200 and 13,800 volt packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.**

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<b>3</b>	<b>175DE75</b>	<b>C175-16 60 HZ PGS.</b> ..... 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: With Package-Mounted Radiator. Ambient capability 40 C at standby Radiator = 296-0410. Engine = C175-16. Cooling System = SCAC. Generator Argt = 375-3666, Frame = 3020 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 80C.	<b>\$887,520</b>
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<b>3</b>	<b>175DR75</b>	<b>REF175DE75 LF0007, LF0100.</b> ..... 0	<b>\$416,106</b>
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STANDARD Configurations:

60 Hz Package PAs - Configuration PAs and Part Numbers

Package	Feature CODE	Feature CODE	Feature CODE
-----	175DE69	175DE72	175DE75
REF PACKAGE	175DR69	175DR72	175DR72
PRIME FF	FFFWS01	FFFWS01	FFFWS01
GENERATOR	OGPM540	OGPM545	OGPM547
HCPD	HCPD003	HCPD003	HCPD003
BATTERY	BAT1214	BAT1214	BAT1214
CONTROL PANEL	BOXGN17	BOXGN18	CUSTCN3
VOLT & CURR			
SENSING	VOLSEN1	BUSBRN2	-----
CONTROL GP-UIP	EMCP42	EMCP42	EMCP42
COVER GP-SPACE			
HTR THERM	-----	-----	CVR0027
COVER GP-SIDE	CVR0010	CVR0010	-----
COVER GP(ANNUN)	CVR0017	CVR0017	CVR0017
COVER GP-JW	CVR0025	CVR0025	
BUS BAR	BUSBCN1	-----	-----
RADIATOR	RADTF47	RADTF47	RADTF48
ELEK GP-A6001	LANENGC	LANENGC	LANENGC
CLEANER GP	ACLSS04	ACLSS04	ACLSS04
CONNECTION GP-OIL	LUBOD03	LUBOD03	LUBOD03
VIBRATION ISOLTR	VIBIS41	VIBIS41	VIBIS43
ELEC STRTNG MOTOR	ELSM240	ELSM240	ELSM240
COVER GP-STARTER	CVR0023	CVR0023	CVR0023
COVER GP-SIDE EXT (BOTTOM)	-----	CVR0015	-----
AUXILIARY PLATE	AUXPNLL	-----	-----
COVER GP-REAR	CVR0013	CVR0013	-----
PLUG GP-PANEL LTS	PLUG004	PLUG004	-----
CONTROL GP - PANEL MTG LOC	UIPBBHS	UIPBBHS	-----
AC/DC CONTROL PANEL LOC	CUSTCNR	CUSTCNR	-----
OIL-BULK	LUBOIL1	LUBOIL1	LUBOIL1
BREATHER GP	FUMDIS1	FUMDIS1	FUMDIS1
COVER GP-W/O CHG ALTERNATOR	CVR0026	CVR0026	CVR0026
PRELUB COVER	CVR0020	CVR0020	CVR0020
OIL PAN & GAGE	OILPN01	OILPN01	OILPN01
FILTER GP PRIMARY OIL	SPLEX02	SPLEX02	SPLEX02
WIRING GP (W/O CYL TEMP SENSORS)	WIRGP06	WIRGP06	WIRGP06
COVER GP EXP RELIEV	CVR0021	CVR0021	CVR0021
ETHER PLUG	PLUG005	PLUG005	PLUG005
FITTING GP-EXH	EXHB001	EXHB001	EXHB001
PLUG GP-AIS	PLUG006	PLUG006	PLUG006
PLUG GP-TURBO SPD	PLUG003	PLUG003	PLUG003
PLUG GP-AFTRCOOLR	AFTP001	AFTP001	AFTP001

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**60 HZ, 1800 RPM, EPA Stationary Emergency (EPA Tier 2 emissions levels) 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**

**60 Hz, 1800 RPM, 480/277V, 3 PHASE**  
These packages can be used configure 600 volt packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.

3	175DE78	<b>C175-16 60 HZ PGS.</b> ..... 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: With Package-Mounted Radiator. Ambient capability 40 C at standby Radiator = 296-0410. Engine = C175-16 (EPA Stationary Emergency (EPA Tier 2 emissions Cooling System = SCAC. Generator Argt = 372-3064, Frame = 1866 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$845,611
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3	175DR78	REF175DE78 LF0880, LF0101 ..... 0	\$506,754
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**60 Hz, 1800 RPM, 4160V, 3 PHASE**

3	175DE81	<b>C175-16 60 HZ PGS.</b> ..... 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With Fan Rating: With Package-Mounted Radiator. Ambient capability 40 C at standby Radiator = 296-0410. Engine = C175-16 (EPA Stationary Emergency (EPA Tier 2 emissions Cooling System = SCAC. Generator Argt = 372-3060, Frame = 1846 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$856,583
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3	175DR81	REF175DE81 LF0882, LF0101 ..... 0	\$492,807
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**60 HZ, 1800 RPM, 12,470V, 3 PHASE**  
These packages can be used to configure 6300, 6600, 6900, 13,200 and 13,800 volt packages. These configurations may require selection of an optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.

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<b>3</b>	<b>175DE84</b>	<b>C175-16 60 HZ PGS.</b> ..... 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: With Package-Mounted Radiator. Ambient capability 40 C at standby Radiator = 296-0410. Engine = C175-16 (EPA Stationary Emergency (EPA Tier 2 emissions Cooling System = SCAC. Generator Argt = 375-3666, Frame = 3020 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 80C.	<b>\$1,008,174</b>
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<b>3</b>	<b>175DR84</b>	<b>REF175DE84 LF0884, LF0101.</b> ..... 0	<b>\$525,966</b>
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SCAC WITH PACKAGE MOUNTED RAD (3)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

STANDARD Configurations:

Package PAs - Configuration PAs and Part Numbers

	Feature CODE	Feature CODE
Package	175DE78	175DE81
-----	-----	-----
REF PACKAGE	175DR78	175DR81
PRIME FF	FFFWS01	FFFWS01
GENERATOR	OGNPMFF	OGNPMFB
HCPD	HCPD003	HCPD003
BATTERY	BAT1214	BAT1214
CONTROL PANEL	BOXGN17	BOXGN18
VOLT & CURR		
SENSING	VOLSEN1	BUSBRN2
CONTROL GP-UIP	EMCP42	EMCP42
COVER GP-SPACE		
HTR THERM	-----	-----
COVER GP-SIDE	CVR0010	CVR0010
COVER GP(ANNUN)	CVR0017	CVR0017
COVER GP-JW	CVR0025	CVR0025
BUS BAR	BUSBCN1	-----
RADIATOR	RADTF47	RADTF47
ELEK GP-A6001	LANENG	LANENG
CLEANER GP	ACLSS04	ACLSS04
CONNECTION GP-OIL	LUBOD03	LUBOD03
VIBRATION ISOLTR	VIBIS42	VIBIS42
ELEC STRTNG MOTOR	ELSM240	ELSM240
COVER GP-STARTER	CVR0023	CVR0023
COVER GP-SIDE EXT (BOTTOM)	-----	CVR0015
AUXILIARY PLATE	AUXPNLL	-----
COVER GP-REAR	CVR0013	CVR0013
PLUG GP-PANEL LTS	PLUG004	PLUG004
CONNECTION GPBUS BAR	-----	-----
CONTROL GPPANEL		
MTG LOC	UIPBBHS	UIPBBHS
AC/DC CONTROL		
PANEL LOC	CUSTCNR	CUSTCNR
OIL-BULK	LUBOIL1	LUBOIL1
BREATHER GP	FUMDIS1	FUMDIS1
COVER GP-W/O		
CHG ALTERNATOR	CVR0026	CVR0026
PRELUBE COVER	CVR0020	CVR0020
OIL PAN & GAGE	OILPN01	OILPN01
FILT GP/PRIM OIL	SPLX02	SPLX02
WIRING GP (W/O CYL TEMP SENSOR)	WIRGP06	WIRGP06
COVER GP-EXP RELF	CVR0021	CVR0021
ETHER PLUG PLUG005	PLUG005	PLUG005
FITTING GP-EXH	EXHB001	EXHB001
PLUG GP - AIS	PLUG006	PLUG006
PLUG GP-TURBO SPD	PLUG003	PLUG003
PLUG GP-AFTRCOOLR	AFTP001	AFTP001



SCAC WITH PACKAGE MOUNTED RAD (3)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

STANDARD Configurations:

Package PAs - Configuration PAs and Part Numbers

	Feature CODE
Package	175DE84
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REF PACKAGE	175DR84
PRIME FF	FFFWS01
GENERATOR	OGPM547
HCPD	HCPD003
BATTERY	BAT1214
CONTROL PANEL	CUSTCN3
VOLT & CURR	
SENSING	-----
CONTROL GP-UIP	EMCP42
COVER GP-SPACE	
HTR THERM	CVR0027
COVER GP-SIDE	-----
COVER GP(ANNUN)	CVR0017
COVER GP-JW	
BUS BAR	-----
RADIATOR	RADTF48
ELEK GP-A6001	LANENGC
CLEANER GP	ACLSS04
CONNECTION GP-OIL	LUBOD03
VIBRATION ISOLTR	VIBIS44
ELEC STRTNG MOTOR	ELSM240
COVER GP-STARTER	CVR0023
COVER GP-SIDE EXT (BOTTOM)	-----
AUXILIARY PLATE	-----
COVER GP-REAR	-----
PLUG GP-PANEL LTS	-----
CONNECTION GPBUS BAR	-----
CONTROL GPPANEL	
MTG LOC	-----
AC/DC CONTROL	
PANEL LOC	-----
OIL-BULK	LUBOIL1
BREATHER GP	FUMDIS1
COVER GP-W/O	
CHG ALTERNATOR	CVR0026
PRELUBE COVER	CVR0020
OIL PAN & GAGE	OILPN01
FILT GP/PRIM OIL	SPLX02
WIRING GP (W/O	
CYL TEMP SENSOR)	WIRGP06
COVER GP-EXP RELF	CVR0021
ETHER PLUG PLUG005	PLUG005
FITTING GP-EXH	EXHB001
PLUG GP - AIS	PLUG006
PLUG GP-TURBO SPD	PLUG003
PLUG GP-AFTRCOOLR	AFTP001

SCAC WITHOUT PACKAGE MOUNTED RAD (4)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

Product Consist:

## AIR INLET SYSTEM

Air Cleaner; 4 x single element canister with service indicator(s).

## CONTROL PANELS

Control Panel

EMCP4.2 controls including:

Emergency stop pushbutton.

EMCP4.2 controller including:

24-volt DC operation.

Environmental sealed front face.

Text alarm/event descriptions.

Warning/shutdown with common LED indication.

of shutdowns with indicating lights for:

Low oil pressure.

High coolant temperature.

Overspeed.

Emergency stop.

Failure to start (overcrank).

Low coolant level (requires optional coolant sensor)

Generator mounted - rear facing.

Controls:

Speed adjust.

Auto/start/stop control.

Engine cool-down timer.

Engine cycle crank.

Alarm acknowledge.

Lamp test.

True RMS AC metering, 3-phase, + /-2% 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).

4 programmable digital inputs.

4 programmable digital outputs.

## COOLING SYSTEM

See TMI for heat rejection requirement and pump performance.

SCAC cooling.

JW Inlet: 6" ANSI / JW Outlet: 6" ANSI.

AC Inlet: 6" ANSI / AC Outlet: 3-1/2" ANSI.

Coolant Sensor - (2 x shipped loose: 1/4-18 and 1/2-14 NPTF).

## EXHAUST SYSTEM

Dry Exhaust Manifold

Bolted Flange (ANSI 6" & DIN 150) with bellow for each turbo (Qty 4)

## FUEL SYSTEM

Primary Fuel Filter w/ Fuel Water Separator

10 Micron Spin On Type

Shipped loose - 3 Filters

Can be mounted on Frame Rails (Requires dealer provided flex)

SCAC WITHOUT PACKAGE MOUNTED RAD (4)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

## FUEL SYSTEM (CONT.)

Secondary / tertiary fuel filters  
4 Micron Spin On Type  
Engine Mounted - 3 Filters

## GENERATORS AND GENERATOR ATTACHMENTS

3 Phase Brushless, Salient Pole.  
6 lead  
IEC Platinum Stator RTDs (.00385 Temp coefficient)  
Caterpillar's Digital Voltage Regulator (CDVR).  
- CDVR includes Reactive droop capability, 3-Phase voltage sensing,  
KVAR/PF modes, RFI suppression, min/max exciter limiter and exciter  
diode monitor.

1800 Frame Generators (LV/MV)  
Form Wound  
Permanent Magnet  
NEMA Class H insulation, Class H temperature rise at 40C ambient (125C  
prime/150C standby)  
(LV) Bus bar connections, top/center mounted, top cable entry  
- 60 Hz models: NEMA standard hole pattern.  
- 50 Hz models: IEC standard hole pattern.  
(MV) Bus bar connections, right side extension box, bottom cable entry  
- 60 Hz models: NEMA standard hole pattern.  
- 50 Hz models: IEC standard hole pattern.

3000 Frame Generators (MV/HV)  
Form Wound  
Permanent Magnet  
Anti Condensation Space Heater  
NEMA Class H insulation, Class F temperature rise at 40C ambient  
(105C prime/130C standby)  
Right side extension box, bottom cable entry

## GOVERNING SYSTEM

ADEM A4  
Redundant Shutdown (Overspeed protection through a duplicate speed  
sensing system)

## 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.  
Prelube - required with prime, continuous, and standby.

## MOUNTING SYSTEM

Rails - Engine/Generator  
Rubber anti-vibration mounts (shipped loose).

SCAC WITHOUT PACKAGE MOUNTED RAD (4)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

### STARTING/CHARGING SYSTEM

Dual 24-volt electric starting motors  
Batteries and battery rack w/cables.  
Battery disconnect switch

### SERVICE INSTRUCTIONS

Two PM Inspections

### GENERAL

PAINT  
Caterpillar Yellow with high gloss black rails & radiator.  
RH Service (except oil filter service 60 Hz models: left hand service.  
50 Hz models: right hand service.)  
Flywheel and flywheel housing-SAE No. 00.  
SAE standard rotation.

**60 HZ, 1800 RPM, EPA Stationary Emergency (EPA Tier 2 emissions levels) 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.**

### 60 Hz, 1800 RPM, 480/277, 3 PHASE

**These packages can be used configure 600 VOLT packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.**

4	175DE79	<b>C175-16 60 HZ PGS.</b> . . . . . 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: Provides approx. 187.7 hp for mechanical fan drive. Engine = C175-16 (EPA Stationary Emergency (EPA Tier 2 emissions levels)). Cooling System = SCAC. Generator Argmt = 372-3064, Frame = 1866 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$734,445
4	175DR79	<b>REF175DE79, LF0043, LF0101.</b> . . . . . 0	\$510,028
4	175DE80	<b>C175-16 60 HZ PGS.</b> . . . . . 0 Standby = 3100 ekw, Prime = 2825 ekW, Continuous = 2600 ekW. Without Fan Rating: Rating contains 0 hp for mechanical fan drive. Engine = C175-16 (EPA Stationary Emergency (EPA Tier 2 emissions levels)). Cooling System = SCAC. Generator Argmt = 372-3068, Frame = 1868 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$756,677

SCAC WITHOUT PACKAGE MOUNTED RAD (4)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

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4	175DR80	REF175DE80, LF0045, LF0101. ....	0	\$508,965
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SCAC WITHOUT PACKAGE MOUNTED RAD (4) LAFAYETTE, INDIANA	Ship Weight lbs	List Price At Factory
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**60 Hz, 1800 RPM, 4160V, 3 PHASE**

4	175DE82	<b>C175-16 60 HZ PGS.</b> ..... 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With Fan Rating: Provides approx. 187.7 hp for mechanical fan drive. Engine = C175-16 (EPA Stationary Emergency (EPA Tier 2 emissions levels)). Cooling System = SCAC. Generator Argt = 372-3060, Frame = 1846 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$745,404
4	175DR82	REF175DE82, LF0017, LF0101 ..... 0	\$496,068
4	175DE83	<b>C175-16 60 HZ PGS.</b> ..... 0 Standby = 3100 ekW, Prime = 2825 ekW, Continuous = 2600 ekW. Without fan rating: Rating contains 0 hp for mechanical fan drive. Engine = C175-16 (EPA Stationary Emergency (EPA Tier 2 emissions levels)). Cooling System = SCAC. Generator Argt = 372-3062, Frame = 1848 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$770,723
4	175DR83	REF 175DE83, LF0019, LF0101 ..... 0	\$491,994

**60 HZ, 1800 RPM, 12,470 VOLT, 3 PHASE**  
 These packages can be used to configure 6300, 6600, 6900, 13,200 and 13,800 volt packages. These configurations may require selection of an optional generator; reference **Optional Generator Chart** for guidance. TMI is the One Safe Source.

4	175DE85	<b>C175-16 60 HZ PGS.</b> ..... 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: Rating contains approx. 187.7 hp for mechanical fan drive. Engine = C175-16 (EPA Stationary Emergency (EPA Tier 2 emissions levels)). Cooling System = SCAC. Generator Argt = 375-3666, Frame = 3020 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 80C.	\$895,743
4	175DR85	REF 175DE85, LF0021, LF0101 ..... 0	\$527,976

SCAC WITHOUT PACKAGE MOUNTED RAD (4) LAFAYETTE, INDIANA		Ship Weight lbs	List Price At Factory
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4	175DE86	<b>C175-16 60 HZ PGS.</b> ..... 0 Standby = 3100 ekW, Prime = 2825 ekW, Continuous = 2600 ekW. Without fan rating: Rating contains 0 hp for mechanical fan drive. Engine = C175-16 (EPA Stationary Emergency (EPA Tier 2 emissions levels)). Cooling System = SCAC. Generator Argt = 375-3686, Frame = 3044 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 105C. Prime = 105C, Continuous = 80C.	\$917,086
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4	175DR86	REF 175DE86, LF0023, LF0101. .... 0	\$521,149
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**50 HZ, 1500 RPM, LOW BSFC**

**50 Hz, 1500 RPM, 400V, 3 PHASE**  
 These packages can be used configure 380 and 415 VOLT packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.

4	175DE88	<b>C175-16 50 HZ PGS.</b> ..... 0 Standby = 3000 kVA, Prime = 2725 kVA, Continuous = 2500 kVA. With fan rating: Rating contains approx. 187.7 hp for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3064, Frame = 1866 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$647,159
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4	175DR88	REF175DE88, LF0049, LF0102. .... 0	\$424,168
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4	175DE89	<b>C175-16 50 HZ PGS.</b> ..... 0 Standby = 3100 kVA, Prime = 2825 kVA, Continuous = 2600 kVA. Without fan rating: Rating contains 0 HP for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3068, Frame = 1868 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$668,758
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4	175DR89	REF175DE89, LF0050, LF0102. .... 0	\$422,472
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**50 HZ, 1500 RPM, 3300V, 3 PHASE**

SCAC WITHOUT PACKAGE MOUNTED RAD (4) Ship Weight List Price  
LAFAYETTE, INDIANA lbs At Factory

4 175DE91 C175-16 50 HZ PGS. . . . . 0 \$663,061  
Standby = 3000 kVA, Prime = 2725 kVA, Continuous = 2500 kVA.  
With fan rating:  
Rating contains approx. 187.7 hp for mechanical fan drive.  
Engine = C175-16.  
Cooling System = SCAC.  
Generator Argt = 372-3060, Frame = 1846 / 2B.  
Generator Winding = FW, No of Leads = 6, Pitch = 2/3.  
NEMA Class Gen Temp Rise: Standby = 150C.  
Prime = 125C, Continuous = 105C.

4 175DR91 REF175DE91, LF0029, LF0102 . . . . . 0 \$414,416

4 175DE92 C175-16 50 HZ PGS. . . . . 0 \$688,379  
Standby = 3100 kVA, Prime = 2825 kVA, Continuous = 2600 kVA.  
Without fan rating:  
Rating contains 0 hp for mechanical fan drive.  
Engine = C175-16.  
Cooling System = SCAC.  
Generator Argt = 372-3062 Frame = 1848 / 2B.  
Generator Winding = FW, No of Leads = 6, Pitch = 2/3.  
NEMA Class Gen Temp Rise: Standby = 150C.  
Prime = 125C, Continuous = 105C.

4 175DR92 REF175DE92, LF0030, LF0102 . . . . . 0 \$410,341

**50 HZ, 1500 RPM, 10500/11,000V, 3 PHASE**  
**These packages can be used configure 6300, 6600, 6900 and 10,000 volt packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.**

4 175DE94 C175-16 50 HZ PGS. . . . . 0 \$772,558  
Standby = 3000 kVA, Prime = 2725 kVA, Continuous = 2500 kVA.  
With fan rating:  
Rating contains approx. 187.7 hp for mechanical fan drive.  
Engine = C175-16.  
Cooling System = SCAC.  
Generator Argt = 375-3668, Frame = 3020 / 2B.  
Generator Winding = FW, No of Leads = 6, Pitch = 2/3.  
NEMA Class Gen Temp Rise: Standby = 130C.  
Prime = 105C, Continuous = 80C.

4 175DR94 REF175DE94 LF2069, LF010.2. . . . . 0 \$412,219

4 175DE95 C175-16 50 HZ PGS. . . . . 0 \$796,206  
Standby = 3100 kVA, Prime = 2825 kVA, Continuous = 2600 kVA.  
Without fan rating:  
Rating contains 0 hp for mechanical fan drive.  
Engine = C175-16.  
Cooling System = SCAC.  
Generator Argt = 375-3688, Frame = 3044 / 2B.  
Generator Winding = FW, No of Leads = 6, Pitch = 2/3.  
NEMA Class Gen Temp Rise: Standby = 105C.



SCAC WITHOUT PACKAGE MOUNTED RAD (4) LAFAYETTE, INDIANA	Ship Weight lbs	List Price At Factory
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4	175DR95	REF175DE95, LF2068, LF0102. ....	0	\$414,241
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**50 HZ, 1500 RPM, LOW EMISSION**

**50 Hz, 1500 RPM, 400V, 3 PHASE**

These packages can be used configure 380 and 415 VOLT packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.

4	175DE25	<b>C175-16 50 HZ P.G.S..</b> ..... 0 Standby = 3000 kVA With fan rating: Rating contains approx. 187.7 hp for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3064, Frame = 1866 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C.		\$647,159
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4	175DR25	REF175DE25, LF0049, LF0058. ....	0	\$424,168
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4	175DE26	<b>C175-16 50 HZ P.G.S..</b> ..... 0 Standby = 3100 kVA Without fan rating: Rating contains 0 HP for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3068, Frame = 1868 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C.		\$668,758
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4	175DR26	REF175DE26, LF0050, LF0058. ....	0	\$422,472
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**50 HZ, 1500 RPM, 3300V, 3 PHASE**

4	175DE28	<b>C175-16 50 HZ P.G.S..</b> ..... 0 Standby = 3000 kVA With fan rating: Rating contains approx. 187.7 hp for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3060, Frame = 1846 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C.		\$662,913
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4	175DR28	REF175DE28, LF0029, LF0058. ....	0	\$414,420
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SCAC WITHOUT PACKAGE MOUNTED RAD (4) Ship Weight List Price  
LAFAYETTE, INDIANA lbs At Factory

4 175DE29 C175-16 50 HZ P.G.S.. . . . . 0 \$688,231  
Standby = 3100 kVA  
Without fan rating:  
Rating contains 0 hp for mechanical fan drive.  
Engine = C175-16.  
Cooling System = SCAC.  
Generator Argt = 372-3062, Frame = 1848 / 2B.  
Generator Winding = FW, No of Leads = 6, Pitch = 2/3.  
NEMA Class Gen Temp Rise: Standby = 150C.

4 175DR29 REF175DE29, LF0030, LF0058. . . . . 0 \$410,345

**50 HZ, 1500 RPM, 10500/11,000V, 3 PHASE**  
These packages can be used configure 6300, 6600, 6900 and 10,000 volt packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.

4 175DE31 C175-16 50 HZ P.G.S.. . . . . 0 \$772,558  
Standby = 3000 kVA  
With fan rating:  
Rating contains approx. 187.7 hp for mechanical fan drive.  
Engine = C175-16.  
Cooling System = SCAC.  
Generator Argt = 375-3668, Frame = 3020 / 2B.  
Generator Winding = FW, No of Leads = 6, Pitch = 2/3.  
NEMA Class Gen Temp Rise: Standby = 130C.

4 175DR31 REF175DE31, LF0032, LF0058 . . . . . 0 \$412,219

4 175DE32 C175-16 50 HZ P.G.S.. . . . . 0 \$796,206  
Standby = 3100 kVA  
Without fan rating:  
Rating contains 0 hp for mechanical fan drive.  
Engine = C175-16.  
Cooling System = SCAC.  
Generator Argt = 375-3688, Frame = 3044 / 2B.  
Generator Winding = FW, No of Leads = 6, Pitch = 2/3.  
NEMA Class Gen Temp Rise: Standby = 105C.

4 175DR32 REF175DE32, LF0033, LF0058 . . . . . 0 \$414,241

**60 Hz, 1800 RPM, 480/277, 3 PHASE**  
These packages can be used configure 600 VOLT packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.

SCAC WITHOUT PACKAGE MOUNTED RAD (4) LAFAYETTE, INDIANA		Ship Weight lbs	List Price At Factory
4	<b>175DE70 C175-16 60 HZ PGS</b> ..... 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: Rating contains approx. 187.7 hp for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3064, Frame = 1866 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.		<b>\$645,272</b>
4	<b>175DR70 REF175DE70, LF0015, LF0100</b> ..... 0		<b>\$422,220</b>
4	<b>175DE71 C175-16 60 HZ PGS</b> ..... 0 Standby = 3100 ekW, Prime = 2825 ekW, Continuous = 2600 ekW. Without fan rating: Rating contains 0 HP for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3068, Frame = 1866 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.		<b>\$666,869</b>
4	<b>175DR71 REF175DE71, LF0041, LF0100</b> ..... 0		<b>\$420,523</b>

SCAC WITHOUT PACKAGE MOUNTED RAD (4) LAFAYETTE, INDIANA	Ship Weight lbs	List Price At Factory
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**60 Hz, 1800 RPM, 4160V, 3 PHASE**

4	175DE73	<b>C175-16 60 HZ PGS</b> ..... 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: Rating contains approx. 187.7 hp for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3060, Frame = 1846 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$655,245
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4	175DR73	REF175DE73, LF0003, LF0100 ..... 0	\$407,275
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4	175DE74	<b>C175-16 60 HZ PGS</b> ..... 0 Standby = 3100 ekW, Prime = 2825 ekW, Continuous = 2600 ekW. Without fan rating: Rating contains 0 hp for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 372-3062, Frame = 1848 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 150C. Prime = 125C, Continuous = 105C.	\$680,564
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4	175DR74	REF175DE74, LF0005, LF0100 ..... 0	\$403,200
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**60 Hz, 1800 RPM, 12470V, 3 PHASE**  
 These packages can be used configure 6300, 6600, 6900, 13,200 and 13,800 volt packages. These configurations may require selection of optional generator; reference Optional Generator Chart for guidance. TMI is the One Safe Source.

4	175DE76	<b>C175-16 60 HZ PGS</b> ..... 0 Standby = 3000 ekW, Prime = 2725 ekW, Continuous = 2500 ekW. With fan rating: Rating contains approx. 187.7 hp for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 375-3666, Frame = 3020 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 80C.	\$784,517
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4	175DR76	REF175DE76, LF0009, LF0100 ..... 0	\$418,116
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SCAC WITHOUT PACKAGE MOUNTED RAD (4) LAFAYETTE, INDIANA	Ship Weight lbs	List Price At Factory
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<b>4</b>	<b>175DE77</b>	<b>C175-16 60 HZ PGS</b> ..... 0 Standby = 3100 ekW, Prime = 2825 ekW, Continuous = 2600 ekW. Without fan rating: Rating contains 0 hp for mechanical fan drive. Engine = C175-16. Cooling System = SCAC. Generator Argt = 375-3686, Frame = 3044 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 105C. Prime = 105C, Continuous = 850.	<b>\$805,760</b>
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<b>4</b>	<b>175DR77</b>	<b>REF175DE77, LF0011, LF0100</b> ..... 0	<b>\$411,188</b>
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SCAC WITHOUT PACKAGE MOUNTED RAD (4)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

**STANDARD Configurations:**

**50 Hz Package PAs - Configuration PAs and Part Numbers**

	FEATURE CODE	FEATURE CODE	FEATURE CODE	FEATURE CODE	FEATURE CODE	FEATURE CODE
Package	175DE88	175DE89	175DE91	175DE92	175DE94	175DE95
-----	-----	-----	-----	-----	-----	-----
REF PACKAGE	175DR88	175DR89	175DR91	175DR92	175DR94	175DR95
PRIME FF	FFFWS01	FFFWS01	FFFWS01	FFFWS01	FFFWS01	FFFWS01
GENERATOR	OGPM701	OGPM700	OGPM563	OGPM564	OGPM574	OGPM575
HCPD	HCPD003	HCPD003	HCPD003	HCPD003	HCPD003	HCPD003
BATTERY	BAT1214	BAT1214	BAT1214	BAT1214	BAT1214	BAT1214
CONTROL PANEL	BOXGN17	BOXGN17	BOXGN18	BOXGN18	CUSTCN3	CUSTCN3
VOLT & CURR SENSING	VOLSEN1	VOLSEN1	BUSBRN2	BUSBRN2	-----	-----
CONTROL GP-UIP	EMCP42	EMCP42	EMCP42	EMCP42	EMCP42	EMCP42
COVER GP-SPACE HTR THERM	-----	-----	-----	-----	CVR0027	CVR0027
COVER GP-SIDE	CVR0010	CVR0010	CVR0010	CVR0010	-----	-----
COVER GP(ANNUN)	CVR0017	CVR0017	CVR0017	CVR0017	CVR0017	CVR0017
COVER GP-JW	CVR0025	CVR0025	CVR0025	CVR0025	-----	-----
BUS BAR	BUSBCI1	BUSBCI1	-----	-----	-----	-----
RADIATOR	-----	-----	-----	-----	-----	-----
COOLANT LEVEL SENSOR	-----	-----	-----	-----	-----	-----
ELEK GP-A6001	LANENGC	LANENGC	LANENGC	LANENGC	LANENGC	LANENGC
CLEANER GP	ACLSS04	ACLSS04	ACLSS04	ACLSS04	ACLSS04	ACLSS04
CONNECTION GP-OIL	LUBOD04	LUBOD04	LUBOD04	LUBOD04	LUBOD04	LUBOD04
VIBRATION ISOLTR	VIBIS42	VIBIS42	VIBIS42	VIBIS42	VIBIS44	VIBIS44
ELEC STRTNG MOTOR	ELSM240	ELSM240	ELSM240	ELSM240	ELSM240	ELSM240
COVER GP-STARTER	CVR0023	CVR0023	CVR0023	CVR0023	CVR0023	CVR0023
COVER GP-SIDE EXT (BOTTOM)	-----	-----	CVR0015	CVR0015	-----	-----
AUXILIARY PLATE	AUXPNLL	AUXPNLL	-----	-----	-----	-----
COVER GP-REAR	CVR0013	CVR0013	CVR0013	CVR0013	-----	-----
PLUG GP-PANEL LTS	PLUG004	PLUG004	PLUG004	PLUG004	-----	-----
CONTROL GP - PANEL MTG LOC	UIPBBHS	UIPBBHS	UIPBBHS	UIPBBHS	-----	-----
AC/DC CONTROL PANEL LOC	CUSTCNR	CUSTCNR	CUSTCNR	CUSTCNR	-----	-----
OIL-BULK	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1
BREATHING GP	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1
COVER GP-W/O CHG ALTERNATOR	CVR0026	CVR0026	CVR0026	CVR0026	CVR0026	CVR0026

**60 Hz Package PAs - Configuration PAs and Part Numbers**

SCAC WITHOUT PACKAGE MOUNTED RAD (4)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

	FEATURE CODE	FEATURE CODE	FEATURE CODE	FEATURE CODE	FEATURE CODE	FEATURE CODE
Package	175DE70	175DE71	175DE73	175DE74	175DE76	175DE77
REF PACKAGE	175DR70	175DR71	175DR73	175DR74	175DR76	175DR77
PRIME FF	FFFWS01	FFFWS01	FFFWS01	FFFWS01	FFFWS01	FFFWS01
GENERATOR	OGPM540	OGPM541	OGPM545	OGPM546	OGPM547	OGPM548
HCPD	HCPD003	HCPD003	HCPD003	HCPD003	HCPD003	HCPD003
BATTERY	BAT1214	BAT1214	BAT1214	BAT1214	BAT1214	BAT1214
CONTROL PANEL	BOXGN17	BOXGN17	BOXGN18	BOXGN18	CUSTCN3	CUSTCN3
VOLT & CURR SENSING	VOLSEN1	VOLSEN1	BUSBRN2	BUSBRN2	-----	-----
CONTROL GP-UIP	EMCP42	EMCP42	EMCP42	EMCP42	EMCP42	EMCP42
COVER GP-SPACE HTR THERM	-----	-----	-----	-----	CVR0027	CVR0027
COVER GP-SIDE	CVR0010	CVR0010	CVR0010	CVR0010	-----	-----
COVER GP(ANNUN)	CVR0017	CVR0017	CVR0017	CVR0017	CVR0017	CVR0017
COVER GP-JW	CVR0025	CVR0025	CVR0025	CVR0025	-----	-----
BUS BAR	BUSBCN1	BUSBCN1	-----	-----	-----	-----
RADIATOR	-----	-----	-----	-----	-----	-----
COOLANT LEVEL SENSOR	-----	-----	-----	-----	-----	-----
ELEK GP-A6001	LANENGC	LANENGC	LANENGC	LANENGC	LANENGC	LANENGC
CLEANER GP	ACLSS04	ACLSS04	ACLSS04	ACLSS04	ACLSS04	ACLSS04
CONNECTION GP-OIL	LUBOD04	LUBOD04	LUBOD04	LUBOD04	LUBOD04	LUBOD04
VIBRATION ISOLTR	VIBIS42	VIBIS42	VIBIS42	VIBIS42	VIBIS44	VIBIS44
ELEC STRTNG MOTOR	ELSM240	ELSM240	ELSM240	ELSM240	ELSM240	ELSM240
COVER GP-STARTER	CVR0023	CVR0023	CVR0023	CVR0023	CVR0023	CVR0023
COVER GP-SIDE EXT (BOTTOM)	-----	-----	CVR0015	CVR0015	-----	-----
AUXILIARY PLATE	AUXPNLL	AUXPNLL	-----	-----	-----	-----
COVER GP-REAR	CVR0013	CVR0013	CVR0013	CVR0013	-----	-----
PLUG GP-PANEL LTS	PLUG004	PLUG004	PLUG004	PLUG004	-----	-----
CONNECTION GP- BUS BAR	-----	-----	-----	-----	-----	-----
CONTROL GP- PANEL MTG LOC	UIPBBHS	UIPBBHS	UIPBBHS	UIPBBHS	-----	-----
AC/DC CONTROL PANEL LOC	CUSTCNR	CUSTCNR	CUSTCNR	CUSTCNR	-----	-----
OIL-BULK	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1
BREATHER GP	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1
COVER GP-W/O CHG ALTERNATOR	CVR0026	CVR0026	CVR0026	CVR0026	CVR0026	CVR0026
PRELUB COVER	CVR0020	CVR0020	CVR0020	CVR0020	CVR0020	CVR0020
OIL PAN & GAGE	OILPN01	OILPN01	OILPN01	OILPN01	OILPN01	OILPN01
FILTER GP- PRIMARY OIL	SPLEX02	SPLEX02	SPLEX02	SPLEX02	SPLEX02	SPLEX02
WIRING GP-W/O CYL TEMP SENSRS	WIRGP06	WIRGP06	WIRGP06	WIRGP06	WIRGP06	WIRGP06
COVER GP- EXP RELIEF	CVR0021	CVR0021	CVR0021	CVR0021	CVR0021	CVR0021
ETHER PLUG	PLUG005	PLUG005	PLUG005	PLUG005	PLUG005	PLUG005
FITTING GP-EXH	EXHB001	EXHB001	EXHB001	EXHB001	EXHB001	EXHB001
PLUG GP-AIS	PLUG006	PLUG006	PLUG006	PLUG006	PLUG006	PLUG006
PLUG GP-TURBO SPD	PLUG003	PLUG003	PLUG003	PLUG003	PLUG003	PLUG003
PLUG GP-AFTRCOOLR	AFTP001	AFTP001	AFTP001	AFTP001	AFTP001	AFTP001

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UNITED STATES DOLLAR

Effective 02MAR2018

EPG-C175-16EL-031

SCAC WITHOUT PACKAGE MOUNTED RAD (4)  
LAFAYETTE, INDIANA

Ship Weight  
lbs

List Price  
At Factory

### 50 Hz Package PAs - Configuration PAs and Part Numbers

Package	FEATURE CODE	FEATURE CODE	FEATURE CODE	FEATURE CODE	FEATURE CODE	FEATURE CODE
	175DE25	175DE26	175DE28	175DE29	175DE31	175DE32
REF PACKAGE	175DR25	175DR26	175DR28	175DR29	175DR31	175DR32
PRIME FF	FFFWS01	FFFWS01	FFFWS01	FFFWS01	FFFWS01	FFFWS01
GENERATOR	OGPM701	OGPM700	OGPM563	OGPM564	OGPM574	OGPM575
HCPD	HCPD003	HCPD003	HCPD003	HCPD003	HCPD003	HCPD003
BATTERY	BAT1214	BAT1214	BAT1214	BAT1214	BAT1214	BAT1214
CONTROL PANEL	BOXGN17	BOXGN17	BOXGN18	BOXGN18	CUSTCN3	CUSTCN3
VOLT & CURR SENSING	VOLSEN1	VOLSEN1	BUSBRN2	BUSBRN2	-----	-----
CONTROL GP-UIP	EMCP42	EMCP42	EMCP42	EMCP42	EMCP42	EMCP42
COVER GP-SPACE HTR THERM	-----	-----	-----	-----	CVR0027	CVR0027
COVER GP-SIDE	CVR0010	CVR0010	CVR0010	CVR0010	-----	-----
COVER GP(ANNUN)	CVR0017	CVR0017	CVR0017	CVR0017	CVR0017	CVR0017
COVER GP-JW	CVR0025	CVR0025	CVR0025	CVR0025	-----	-----
BUS BAR	BUSBR12	BUSBR12	-----	-----	-----	-----
RADIATOR	-----	-----	-----	-----	-----	-----
COOLANT LEVEL SENSOR	-----	-----	-----	-----	-----	-----
ELEK GP-A6001	LANENGC	LANENGC	LANENGC	LANENGC	LANENGC	LANENGC
CLEANER GP	ACLSS04	ACLSS04	ACLSS04	ACLSS04	ACLSS04	ACLSS04
CONNECTN GP-OIL	LUBOD02	LUBOD02	LUBOD02	LUBOD02	LUBOD04	LUBOD04
VIBRATION ISOLTR	VIBIS42	VIBIS42	VIBIS42	VIBIS42	VIBIS44	VIBIS44
ELEC STRTNG MTR	ELSM240	ELSM240	ELSM240	ELSM240	ELSM240	ELSM240
COVER GP-STARTER	CVR0023	CVR0023	CVR0023	CVR0023	CVR0023	CVR0023
COVER GP-SIDE EXT (BOTTOM)	-----	-----	CVR0015	CVR0015	-----	-----
AUXILIARY PLATE	AUXPNLL	AUXPNLL	-----	-----	-----	-----
COVER GP-REAR	CVR0013	CVR0013	CVR0013	CVR0013	-----	-----
PLUG GP-PNL LTS	PLUG004	PLUG004	PLUG004	PLUG004	-----	-----
CONTROL GP - PANEL MTG LOC	UIPBBHS	UIPBBHS	UIPBBHS	UIPBBHS	-----	-----
AC/DC CONTROL PANEL LOC	CUSTCNR	CUSTCNR	CUSTCNR	CUSTCNR	-----	-----
OIL-BULK	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1	LUBOIL1
BREATHER GP	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1	FUMDIS1
COVER GP-W/O CHG ALTERNATOR	CVR0026	CVR0026	CVR0026	CVR0026	CVR0026	CVR0026
PRELUB COVER	CVR0020	CVR0020	CVR0020	CVR0020	CVR0020	CVR0020
OIL PAN & GAGE	OILPN01	OILPN01	OILPN01	OILPN01	OILPN01	OILPN01
FILTER GPPRIMARY OIL	SPLEX02	SPLEX02	SPLEX02	SPLEX02	SPLEX02	SPLEX02
WIRING GP (W/O CYL TEMP SENSORS)	WIRGP06	WIRGP06	WIRGP06	WIRGP06	WIRGP06	WIRGP06
COVER GPEXP	-----	-----	-----	-----	-----	-----
RELIEV	CVR0021	CVR0021	CVR0021	CVR0021	CVR0021	CVR0021
ETHER PLUG	PLUG005	PLUG005	PLUG005	PLUG005	PLUG005	PLUG005
FITTING GP-EXH	EXHB001	EXHB001	EXHB001	EXHB001	EXHB001	EXHB001
PLUG GP-AIS	PLUG006	PLUG006	PLUG006	PLUG006	PLUG006	PLUG006
PLUG GP-TURB SPD	PLUG003	PLUG003	PLUG003	PLUG003	PLUG003	PLUG003
PLUG GP-AFTTRCLR	AFTP001	AFTP001	AFTP001	AFTP001	AFTP001	AFTP001



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

### Engine Certification

Select ONE.

34	CERTESE	EPA STATIONARY EMERGENCY . . . . . 0 (EPA Tier 2 emissions levels) Meets USA Environmental Protection Agency (EPA) Stationary Emergency Certifications 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
34	LOWBSFC	LOW BSFC CONFIG--NON-CERTIFIED . . . . . 0	0	NC
34	EMISSNS	LOW EMISSIONS CONFIGURATION . . . . . 0	0	NC

## VOLTAGE INDICATORS

### Voltage Indicators

Select ONE.

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

34	50H0380	380V, Wye Connection, 50Hz . . . . . 0 TECHNICAL: Wye connection.	0	NC
34	50H0400	400V, WYE CONNECTION, 50HZ . . . . . 0 TECHNICAL: Wye connection.	0	NC
34	50H0415	415V, WYE CONNECTION, 50HZ . . . . . 0 TECHNICAL: Wye connection.	0	NC
34	50H3300	VOLTAGE INDICATOR 3300V (WYE) . . . . . 0 TECHNICAL: Wye connection.	0	NC
34	50H6300	VOLTAGE INDICATOR 6300V (WYE) . . . . . 0 TECHNICAL: Wye connection.	0	NC
34	50H6600	VOLTAGE INDICATOR 6600V (WYE) . . . . . 0 TECHNICAL: Wye connection.	0	NC
34	50H6900	VOLTAGE INDICATOR 6900V (WYE) . . . . . 0 TECHNICAL: Wye connection.	0	NC
34	50H10K0	VOLTAGE INDICATOR 10000V (WYE) . . . . . 0 TECHNICAL: Wye connection.	0	NC
34	50H10K5	VOLTAGE INDICATOR 10500V (WYE) . . . . . 0 TECHNICAL: Wye connection.	0	NC
34	50H11K0	VOLTAGE INDICATOR 11000V (WYE) . . . . . 0 TECHNICAL: Wye connection.	0	NC

### 60 Hertz Voltage Indicators

34	60H0480	480V, Wye Connection, 60Hz . . . . . 0 TECHNICAL: Wye connection.	0	NC
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USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**VOLTAGE INDICATORS (CONT.)**

**60 Hertz Voltage Indicators (Cont.)**

34	60H0600	VOLTAGE INDICATOR 600V ..... 0 TECHNICAL: Wye connection.		NC
NOTE: Please review Product Update LEXE0600 to verify compatibility prior to ordering a 600V generator with EMCP4.2 controls.				
34	60H4160	VOLTAGE INDICATOR 4160V (Wye) ..... 0 TECHNICAL: Wye connection.		NC
34	60H6300	VOLTAGE INDICATOR 6300V (Wye) ..... 0 TECHNICAL: Wye connection.		NC
34	60H6600	VOLTAGE INDICATOR 6600V (Wye) ..... 0 TECHNICAL: Wye connection.		NC
34	60H6900	VOLTAGE INDICATOR 6900V (Wye) ..... 0 TECHNICAL: Wye connection.		NC
34	60H12K4	VOLTAGE INDICATOR 12470V (Wye) ..... 0 TECHNICAL: Wye connection.		NC
34	60H13K2	VOLTAGE INDICATOR 13200V (Wye) ..... 0 TECHNICAL: Wye connection.		NC
34	60H13K8	VOLTAGE INDICATOR 13800V (Wye) ..... 0 TECHNICAL: Wye connection.		NC

**CERTIFICATIONS**

**UL2200 Listing**

- UL Standard of Safety for Stationary Engine Generator Assemblies of 600 Volts or less REQUIRES:
- \* 60HZ package rating.
- \* Generator with a temp rise of 125C or less vs. 40C ambient.
- \* UL listed voltage regulator.
- \* EMCP4.2 control panel.
- \* Neutral Ground Connection.
- \* UL Approved JWH if ordered.
- \* Not for use with IEC breakers.

34	ULLIST	UL 2200 LISTED PACKAGE GEN SET ..... 0		\$173 NET
34	NONULL	NON-UL2200 LISTED GENSET ..... 0		NC

**European Union Certification**

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

**EU CERTIFICATION**

Must Select One

3	EUDGDOC	<p><b>EU DECLARATION OF CONFORMITY</b> . . . . . 0</p> <p>TECHNICAL: Provides Declaration of Conformity document per 2006/42/EC (Machinery Safety Directive), 2006/95/EC (Low Voltage Safety Directive), and 2004/108/EC (Electromagnetic Compatibility 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.</p> <p>REQUIRES: 50 Hz PGS (engine, generator, rails &amp; Caterpillar supplied radiator (may be shipped loose)</p> <p>CANNOT BE USED WITH: ULLIST.</p> <p>NOTE: For ATEX applications, contact Application Support.</p>		\$271 NET
4	EUDGDOI	<p><b>EUROPEAN DIRECTIVE GENSET DOI</b> . . . . . 0</p> <p>TECHNICAL: Provides Declaration of Incorporation document per 98/37/EC (Machinery Safety Directive), and 73/23EC (Low Voltage Safety Directive) when applicable. The Declaration of Incorporation allows free movement of goods in the EU per the Machinery Safety Directive, 98/37/EC, and may reference demonstrated compliance to other applicable directives. This may be needed by OEM manufacturers when the subject product is installed in a more complex installation.</p> <p>CANNOT BE USED WITH: ULLIST.</p> <p>NOTE: For ATEX applications, contact Application Support.</p>		\$271 NET
34	NOEUCRT	<p><b>EC CERTIFICATION NOT REQUIRED</b> . . . . . 0</p> <p>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.</p>		NC
34	CSA0001	<p><b>CSA CERTIFICATION</b> . . . . . 0</p> <p>NOT FOR USE WITH: HV</p> <p>REQUIRES: Neutral Grounding Connection (NGRDCNN).</p> <p>ONLY FOR USE WITH: Generators and Package Generator Sets with or without installed circuit breakers. CANADIAN STANDARDS ASSOCIATION.</p>		NC

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**APPLICATION INDICATORS**

**Application Indicators**

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

34	STANDBY	<b>STANDBY POWER APPLICATION</b> . . . . . 0 For application at standby rating. REQUIRES: ELEPP05 & FRTHGSB		NC
34	PRIMEPA	<b>PRIME POWER APPLICATION</b> . . . . . 0 For application at prime rating. REQUIRES: ELEPP05 & FRTHGPC		NC
34	CONTINU	<b>CONTINUOUS POWER APPLICATION</b> . . . . . 0 For application at continuous rating. REQUIRES: ELEPP05 & FRTHGPC		NC
34	MISCRIT	<b>MISSION CRITICAL POWER</b> . . . . . 0 For applications applied per the Mission Critical application. REQUIRES: ELEPP05 & FRTHGSB		NC

**Shipping Method - Mandatory (Select one)**

The shipping method is defined by the means of transportation of your engine and accessories or package generator set. This selection is used for shipment preparation, and does not include any other costs or arrangements outside the scope of supply of the factory for shipping.

34	SHTRAN	<b>NON-OCEANIC TRANSPORT</b> . . . . . 0 Used for shipments of an engine or package that will be transported to site entirely on land or by air.		NC
34	SHOTRAN	<b>OCEANIC TRANSPORT</b> . . . . . 0 Used for shipments that will utilize a form of water transportation for the engine or package to arrive at the site. REQUIRES: SWPT002 Shrink Wrap + Tarp-Genset Pkg		NC

**Market Segmentation - Select ONE.**

Select one code to define expected end use.

34	MSEPASP	<b>EP-ADDED SCOPE PRODUCT</b> . . . . . 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.		NC
34	MSEPGGN	<b>GENERAL EPG</b> . . . . . 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.		NC

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

*Market Segmentation - Select ONE. (Cont.)*

34	MSPMDXQ	<b>END USE: RENTAL EPG</b> ..... 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 supporting rental fleets as well as specific EP Rental products (XQ & XQE). This category should not be used in conjunction with Diesel & Gas EPG (non-rental), Petroleum EPG, Locomotive EPG or Marine Auxiliary applications.	0	NC
34	MSLOCEP	<b>LOCOMOTIVE EPG</b> ..... 0 All engines and generator sets utilized in the generation of electrical power for locomotive propulsion and head end power.	0	NC
34	MSPETDR	<b>PETROLEUM LAND DRILLING</b> ..... 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
34	MSPETPG	<b>PETRO LAND PROD/PUMPING</b> ..... 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

**ENGINE RATING AND SPEED**

*Package Rating*  
Select ONE.

**50 Hertz**

34	KV03000	<b>3000 KVA WITH FAN</b> ..... 0 ONLY FOR USE WITH: Standby.	0	NC
34	KV02725	<b>2725 KVA WITH FAN</b> ..... 0 ONLY FOR USE WITH: Prime.	0	NC
4	KV02825	<b>2825 KVA WITHOUT FAN</b> ..... 0 ONLY FOR USE WITH: Prime.	0	NC
34	KV02500	<b>50 Hz, 2500 kVA W/FAN</b> ..... 0 ONLY FOR USE WITH: Continuous.	0	NC
4	KV02600	<b>2600 KVA WITHOUT FAN</b> ..... 0 ONLY FOR USE WITH: Continuous.	0	NC
4	KV03100	<b>3100 KVA WITHOUT FAN</b> ..... 0 ONLY FOR USE WITH: Standby.	0	NC

**60 Hertz**

34	KW03000	<b>3000 BKW W/O FAN</b> ..... 0 ONLY FOR USE WITH: Standby.	0	NC
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USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**ENGINE RATING AND SPEED (CONT.)**

**60 Hertz (Cont.)**

4	KW03100	3100 EKW WITHOUT FAN . . . . . 0		NC
		ONLY FOR USE WITH: Standby.		
34	KW02725	2725 EKW WITH FAN . . . . . 0		NC
		ONLY FOR USE WITH: Prime.		
4	KW02825	2825 EKW WITHOUT FAN . . . . . 0		NC
		ONLY FOR USE WITH: Prime.		
34	KW02500	60 Hz, 2500 EKW W/FAN . . . . . 0		NC
		ONLY FOR USE WITH: Continuous.		
4	KW02600	2600 EKW WITHOUT FAN . . . . . 0		NC
		ONLY FOR USE WITH: Continuous.		

**CONFIGURATION INDICATORS**

**Positive Build Configuration Indicators**

**Configuration Options**

Select ONE.  
 If you select "STANDRD" you will receive a product as described by the boilerplate and top-level feature code. By selecting "CONFIG" you will be allowed to modify the configuration by selecting or deselecting optional items.

34	STANDRD	NON-MODIFIED CONFIGURATON . . . . . 0		NC
34	CONFIG	MODIFIED CONFIGURATION . . . . . 0		NC
		See Optional Attachments Section of price list.		

**Reference Configurations**

Reference Configuration Section in Top Level.

**Factory Radiator Type**

Select ONE.

4	REMRAD1	PACKAGE W/ NO PACKAGE RAD . . . . . 0		NC
		TECHNICAL: Provides a unit without a factory package-mounted radiator.		
3	PCKRAD1	PACKAGE W/PACKAGE MOUNTED RAD . . . . . 0		NC
		TECHNICAL: Provides a unit with a packaged mounted radiator shipped loose.		

**Generator Temp Rise**

Select ONE.

34	GENT080	80C TEMP RISE OVER 40C AMB . . . . . 0		NC
		TECHNICAL: Restricts generator options to generators with 80C temp rise capability at 40C ambient.		
34	GENT105	105C TEMP RISE OVER 40C AMB . . . . . 0		NC
		TECHNICAL: Restricts generator options to generators with 105C temp rise capability at 40C ambient.		

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

**Generator Temp Rise (Cont.)**

34	GENT125	125C TEMP RISE OVER 40C AMB . . . . . 0 TECHNICAL: Restricts generator options to generators with 125C temp rise capability at 40C ambient.		NC
34	GENT130	130C TEMP RISE OVER 40C AMBIEN . . . . . 0 TECHNICAL: Restricts generator options to generators with 130C temp rise capability at 40C ambient.		NC
34	GENT150	150C TEMP RISE OVER 40C AMB . . . . . 0 TECHNICAL: Restricts generator options to generators with 150C temp rise capability at 40C ambient.		NC

**CONTROL PANELS**

**EMCP (LV & MV)**

Must Select One  
EMCP4 Genset Controller

34	EMCP42	EMCP 4.2 CONTROL PANEL . . . . . 0 **DEFAULT OFFERING** Standard control panel. TECHNICAL: Provides power metering, protective relaying, enhanced engine monitoring and Modbus Communications as standard.		NC
34	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		\$7,162
34	EMCP44	EMCP 4.4 CONTROL PANEL . . . . . 0 REPLACES: EMCP42ction of paralleling breaker. TECHNICAL: Provides functionality of EMCP4.3 plus on-package paralleling control. REQUIRES: Low Voltage Packages CANNOT BE USED WITH: EMCP42, EMCP43. or MV or HV generators		\$9,287

**EMCP 4.4 OPTIONAL HARNESS**

May Select

34	WIRGP35	EMCP4.4 W/OUT BREAKER WIRING . . . . . 0 REQUIRES: Low Volt packages and EMCP44. CANNOT BE USED WITH: Breaker or DIO Module		\$246
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**LANGUAGE OPTIONS**

**Control Panels - Language Options**

One option supplied at no charge.

34	LANENG C	ADDL LANGUAGE-ENGLISH . . . . . 0		NC
34	LANARAC	ADDL LANGUAGE-ARABIC . . . . . 0		NC
34	LANCHIC	CHINESE CONTROLLER LANGUAGE . . . . . 0		NC

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

*Control Panels - Language Options (Cont.)*

34	LANDANC	DANISH CONTROLLER LANGUAGE . . . . .	0	NC
34	LANDUTC	DUTCH CONTROLLER LANGUAGE . . . . .	0	NC
34	LANFINC	FINNISH CONTROLLER LANGUAGE . . . . .	0	NC
34	LANFREC	ADDL LANGUAGE-FRENCH . . . . .	0	NC
34	LANGERC	GERMAN CONTROLLER LANGUAGE . . . . .	0	NC
34	LANGREC	GREEK CONTROLLER LANGUAGE . . . . .	0	NC
34	LANITAC	ITALIAN CONTROLLER LANGUAGE . . . . .	0	NC
34	LANJAPC	ADDL LANGUAGE-JAPANESE . . . . .	0	NC
34	LANPORC	PORTUGESE CONTROLLER LANGUAGE . . . . .	0	NC
34	LANRUSC	RUSSIAN CONTROLLER LANGUAGE . . . . .	0	NC
34	LANSPAC	SPANISH CONTROLLER LANGUAGE . . . . .	0	NC
34	LANSWEC	SWEDISH CONTROLLER LANGUAGE . . . . .	0	NC
34	LANTURC	TURKISH CONTROLLER LANGUAGE . . . . .	0	NC

**PACKAGE Language Options**

Select 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.

34	LANCHIO	LANGUAGE MARKINGS-CHINESE . . . . . Generator Rating Plate provided in English - not available in Chinese.	0	NC
34	LANDANO	LANGUAGE MARKINGS-DANISH . . . . .	0	NC
34	LANDUTO	LANGUAGE MARKINGS-DUTCH . . . . .	0	NC
34	LANENGO	LANGUAGE MARKINGS-ENGLISH . . . . .	0	NC
34	LANFINO	LANGUAGE MARKINGS-FINNISH . . . . .	0	NC
34	LANFREO	LANGUAGE MARKINGS-FRENCH . . . . .	0	NC
34	LANITAO	LANGUAGE MARKINGS-ITALIAN . . . . .	0	NC
34	LANJAPO	LANGUAGE MARKINGS-JAPANESE . . . . . Product marking provided in English - not available in Japanese.	0	NC
34	LANPORO	LANGUAGE MARKINGS-PORTUGESE . . . . .	0	NC



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

*PACKAGE Language Options (Cont.)*

34	LANRUSO	LANGUAGE MARKINGS-RUSSIAN . . . . .	0	NC
34	LANSPAO	LANGUAGE MARKINGS-SPANISH . . . . .	0	NC

**EXTENDED SERVICE COVERAGE**

*ESC (Extended Service Coverage)*

**Cat Branded Commercial Power Systems**

Customer must select one of the following Extended Service Coverage 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 here are \$0 deductible.

34	ECP2LQ1	PLATINUM COVERAGE . . . . . Prime/Continuous: 24 months, 4,000 hours, \$0 deductible	0	\$9,410 NET
34	ECQ2LQ1	PLATINUM PLUS COVERAGE . . . . . Prime/Continuous: 24 months, 4,000 hours, \$0 deductible	0	\$10,750 NET
34	ECP2NQ1	PLATINUM COVERAGE . . . . . Prime/Continuous: 24 months, 6,000 hours, \$0 deductible	0	\$13,040 NET
34	ECQ2NQ1	PLATINUM PLUS COVERAGE . . . . . Prime/Continuous: 24 months, 6,000 hours, \$0 deductible	0	\$14,900 NET
34	ECP2RQ1	PLATINUM COVERAGE . . . . . Prime/Continuous: 24 months, 10,000 hours, \$0 deductible	0	\$18,860 NET
34	ECQ2RQ1	PLATINUM PLUS COVERAGE . . . . . Prime/Continuous: 24 months, 10,000 hours, \$0 deductible	0	\$21,550 NET
34	ECP2SQ1	PLATINUM COVERAGE . . . . . Prime/Continuous: 24 months, 12,000 hours, \$0 deductible	0	\$21,230 NET
34	ECQ2SQ1	PLATINUM PLUS COVERAGE . . . . . Prime/Continuous: 24 months, 12,000 hours, \$0 deductible	0	\$24,260 NET
34	ECP21Q1	PLATINUM COVERAGE . . . . . Prime/Continuous: 24 months, 16,000 hours, \$0 deductible	0	\$25,190 NET
34	ECQ21Q1	PLATINUM PLUS COVERAGE . . . . . Prime/Continuous: 24 months, 16,000 hours, \$0 deductible	0	\$28,780 NET
34	ECP3NQ1	PLATINUM COVERAGE . . . . . Prime/Continuous: 36 months, 6,000 hours, \$0 deductible	0	\$16,570 NET
34	ECQ3NQ1	PLATINUM PLUS COVERAGE . . . . . Prime/Continuous: 36 months, 6,000 hours, \$0 deductible	0	\$18,940 NET
34	ECP3QQ1	PLATINUM COVERAGE . . . . . Prime/Continuous: 36 months, 9,000 hours, \$0 deductible	0	\$22,250 NET
34	ECQ3QQ1	PLATINUM PLUS COVERAGE . . . . . Prime/Continuous: 36 months, 9,000 hours, \$0 deductible	0	\$25,430 NET
34	ECP3TQ1	PLATINUM COVERAGE . . . . . Prime/Continuous: 36 months, 15,000 hours, \$0 deductible	0	\$33,200 NET
34	ECQ3TQ1	PLATINUM PLUS COVERAGE . . . . . Prime/Continuous: 36 months, 15,000 hours, \$0 deductible	0	\$37,950 NET

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
<b>EXTENDED SERVICE COVERAGE (CONT.)</b>				
<i>Cat Branded Commercial Power Systems (Cont.)</i>				
34	ECP3UQ1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 36 months, 18,000 hours, \$0 deductible		\$36,250 NET
34	ECQ3UQ1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 36 months, 18,000 hours, \$0 deductible		\$41,430 NET
34	ECP33Q1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 36 months, 24,000 hours, \$0 deductible		\$40,950 NET
34	ECQ33Q1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 36 months, 24,000 hours, \$0 deductible		\$46,800 NET
34	ECP4PQ1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 48 months, 8,000 hours, \$0 deductible		\$24,280 NET
34	ECQ4PQ1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 48 months, 8,000 hours, \$0 deductible		\$27,750 NET
34	ECP4SQ1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 48 months, 12,000 hours, \$0 deductible		\$38,400 NET
34	ECQ4SQ1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 48 months, 12,000 hours, \$0 deductible		\$43,880 NET
34	ECP41Q1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 48 months, 16,000 hours, \$0 deductible		\$46,190 NET
34	ECQ41Q1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 48 months, 16,000 hours, \$0 deductible		\$52,790 NET
34	ECP42Q1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 48 months, 20,000 hours, \$0 deductible		\$50,860 NET
34	ECQ42Q1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 48 months, 20,000 hours, \$0 deductible		\$58,130 NET
34	ECP43Q1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 48 months, 24,000 hours, \$0 deductible		\$54,540 NET
34	ECQ43Q1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 48 months, 24,000 hours, \$0 deductible		\$62,330 NET
34	ECP5RQ1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 60 months, 10,000 hours, \$0 deductible		\$32,120 NET
34	ECQ5RQ1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 60 months, 10,000 hours, \$0 deductible		\$36,710 NET
34	ECP5TQ1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 60 months, 15,000 hours, \$0 deductible		\$51,500 NET
34	ECQ5TQ1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 60 months, 15,000 hours, \$0 deductible		\$58,860 NET
34	ECP52Q1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 60 months, 20,000 hours, \$0 deductible		\$58,180 NET
34	ECQ52Q1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 60 months, 20,000 hours, \$0 deductible		\$66,490 NET
34	ECP5WQ1	PLATINUM COVERAGE . . . . . 0 Prime/Continuous: 60 months, 25,000 hours, \$0 deductible		\$63,090 NET
34	ECQ5WQ1	PLATINUM PLUS COVERAGE . . . . . 0 Prime/Continuous: 60 months, 25,000 hours, \$0 deductible		\$72,100 NET
34	ECS3CT1	SILVER COVERAGE . . . . . 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$1,900 NET
34	ECG3CT1	GOLD COVERAGE . . . . . 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$2,850 NET
34	ECP3CT1	PLATINUM COVERAGE . . . . . 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$3,330 NET
34	ECQ3CT1	PLATINUM PLUS COVERAGE . . . . . 0 Standby: 36 months, 1,500 hours, \$0 deductible		\$3,800 NET
34	ECS4ET1	SILVER COVERAGE . . . . . 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$3,730 NET

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
<b>EXTENDED SERVICE COVERAGE (CONT.)</b>				
<i>Cat Branded Commercial Power Systems (Cont.)</i>				
34	ECG4ET1	<b>GOLD COVERAGE</b> . . . . . 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$5,590 NET
34	ECP4ET1	<b>PLATINUM COVERAGE</b> . . . . . 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$6,520 NET
34	ECQ4ET1	<b>PLATINUM PLUS COVERAGE</b> . . . . . 0 Standby: 48 months, 2,000 hours, \$0 deductible		\$7,450 NET
34	ECS5GT1	<b>SILVER COVERAGE</b> . . . . . 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$5,970 NET
34	ECG5GT1	<b>GOLD COVERAGE</b> . . . . . 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$8,950 NET
34	ECP5GT1	<b>PLATINUM COVERAGE</b> . . . . . 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$10,440 NET
34	ECQ5GT1	<b>PLATINUM PLUS COVERAGE</b> . . . . . 0 Standby: 60 months, 2,500 hours, \$0 deductible		\$11,930 NET
34	ECS0MT1	<b>SILVER COVERAGE</b> . . . . . 0 Standby: 120 months, 5,000 hours, \$0 deductible		\$22,560 NET
34	ECG0MT1	<b>GOLD COVERAGE</b> . . . . . 0 Standby: 120 months, 5,000 hours, \$0 deductible		\$33,850 NET
34	ECP0MT1	<b>PLATINUM COVERAGE</b> . . . . . 0 Standby: 120 months, 5,000 hours, \$0 deductible		\$39,490 NET
34	ECQ0MT1	<b>PLATINUM PLUS COVERAGE</b> . . . . . 0 Standby: 120 months, 5,000 hours, \$0 deductible		\$45,130 NET
<b>No ESC</b>				
34	ESCNONE	<b>NO EXTENDED SERVICE COVERAGE</b> . . . . . 0		NC

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**NOTE**

**MODIFIED CONFIGURATION SELECTIONS**

**AIR INLET SYSTEM**

***Air Cleaners***

Select ONE.

34	ACLSS04	<b>AIR CLEANER - SINGLE ELEMENT</b> ..... 0 ** DEFAULT OFFERING ** 4 x Single Element Air Cleaners. Includes Service Indicator. Package Mounted (Installed).		\$2,716
34	ACLDE18	<b>AIR CLEANER - DUAL ELEMENT</b> ..... 0 4 x Dual Element Air Cleaners. Includes Service Indicator. Package Mounted (Installed).		\$3,441

***Air Inlet Adapters***

Select ONE.

34	AIA0013	<b>AIR INLET ADAPTERS-ROUND ELBOW</b> ..... 0 Shipped loose. Provides: 4 x round rubber 90 degree elbow boots w/clamps. 305 +/- 2.5mm ID connections. ONLY FOR USE WITH: Package mounted air cleaners. CANNOT BE USED WITH: 3010 and 3020 frame generators.		\$889
34	AIA0014	<b>AIR INLET ADAPTERS-STRAIGHT</b> ..... 0 Shipped loose. Provides: 4 x straight round rubber boots w/clamps. 305 +/- 2.5mm ID connections. ONLY FOR USE WITH: Package mounted air cleaners. CANNOT BE USED WITH: 3010, 3020, 3042, 3044 and 3045 frame generators. Remote air cleaners.		\$813

***Air Inlet Protection***

34	PLUG006	<b>PLUG GP(W/O AIR INLET SHUTOFF)</b> ..... 0 ** DEFAULT OFFERING ** PLUG group for air inlet shut off.		NC
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**CONTROL PANEL OPTIONS**

**CONTROL PANEL OPTIONS: 3000 Frame Generator**

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

**EMCP & MV/HV Power Connection Locations**

Required W/3000 frame generator. Select one.

34	CUSTCN3	<b>POWER CONN MOUNT-RH (3000 FRM)</b> ..... 0 ** DEFAULT OFFERING 3000 Frame Generators ** TECHNICAL: Provides a RH-mounted power connection (MV/HV terminal box) REQUIRES: 3000 frame generators. CANNOT BE USED WITH: 1800 frame generators.		\$11,481
34	CUSTCN4	<b>POWER CONN MOUNT-LH (3000 FRM)</b> ..... 0 TECHNICAL: Provides a LH-mounted power connection (MV/HV terminal box) REQUIRES: 3000 frame generators. CANNOT BE USED WITH: LH-mounted MV buss bars and 1800 frame generators.		\$7,285

**Load Share Module**

Optional: Select maximum of one.

34	LSMOD12	<b>LOAD SHARE MODULE</b> ..... 0 TECHNICAL: Provides load share feature installed on package. Includes 10K ohm potentiometer. REQUIRES: MV/HV 3000 frame generators. CANNOT BE USED WITH: 1800 frame generators.		\$1,775
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**CONTROL PANEL OPTIONS: 1800 Frame Generator**

**EMCP Mounting Location-LV/MV**

Required with LV/MV 1800 frame generator. Select one.  
 (Selection location cannot occupy same location left/right/rear as Customer AC-DC connection or auxiliary plate.)

34	UIPBRHS	<b>CONTROL PANEL MOUNTING - RH</b> ..... 0 REQUIRES: 1800 frame generator. CANNOT BE USED WITH: RH mounted MV buss bars. Other right-hand mounted control panel options (AC-DC connections, aux plate or aux box), or 3000 frame generators.		NC
34	UIPBLHS	<b>CONTROL PANEL MOUNTING - LH</b> ..... 0 REQUIRES: 1800 frame generator and Power Connection or EMPTYL or EMPTYSL if EMCP43 or EMCP44 is selected. CANNOT BE USED WITH: MV packages and EMCP43 or EMCP44. Or LH-mounted MV buss bars. Or other left-hand (AC-DC connections, aux plate or aux box), mounted control panel options (AC-DC connections, aux plate or aux box), or 3000 frame generators.		NC
34	UIPBHS	<b>CONTROL PANEL MOUNT - REAR</b> ..... 0 ** DEFAULT OFFERING 1800 Frame Generators ** REQUIRES: 1800 frame generator. CANNOT BE USED WITH: Other rear-mounted control panel options (AC-DC connections, auxplate or aux box), or 3000 frame generators.		NC

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

**Customer AC-DC Connection Mounting Location - LV/MV**

Required with LV/MV 1800 frame generator. Select one.  
 (Selection location cannot occupy same location left/right/rear as EMCP or auxiliary plate.)

34	CUSTCNR	<b>CUSTOMER CONNECTION MOUNT-RH</b> . . . . . 0 ** DEFAULT OFFERING 1800 Frame Generators ** TECHNICAL: Right-side mounted customer connection panel location. REQUIRES: 1800 frame generators. CANNOT BE USED WITH: RH-mounted MV buss bars or other RH-mounted control panel options (EMCP,aux plate or aux box), or 3000 frame generators. Or EMCP43 or EMCP44 and EMPTYPR or EMPTYSR or BUSBRN1 or BUSBRI1 or UIPBRHS or AUXPNLR or AUXBOXR.		NC
34	CUSTCNL	<b>CUSTOMER CONNECTION MOUNT-LH</b> . . . . . 0 TECHNICAL: Left-side mounted customer connection panel location. REQUIRES: 1800 frame generators. CANNOT BE USED WITH: LH-mounted MV buss bars or other LH-mounted control panel options (EMCP, aux plate or aux box), or 3000 frame generators. Or EMCP43 or EMCP44 and UIPBLHS or AUXPNLL or AUXBOXL.		NC
34	CUSTCNB	<b>CUSTOMER CONNECTION MOUNT-REAR</b> . . . . . 0 TECHNICAL: Rear/back-mounted customer connection panel location. REQUIRES: 1800 frame generators and EMCP 4.2 CANNOT BE USED WITH: Other rear/back-mounted control panel options (EMCP, aux plate or aux box),or 3000 frame generator.		NC

**Load Share Module/Auxiliary Plate and Auxiliary Box (LV)**

Selection required with LV 1800 frame generator. Select one max.  
 NOTE: 1800-frame MV generators automatically drive an auxiliary plate for the open location. See below "Load Share Module (MV 1800 Frame)" for optional 1800 Frame MV Load Share.  
 Selection location cannot occupy same location left/right/rear as EMCP or Customer AC-DC.

34	NOLSM02	<b>NO LOAD SHARE MODULE</b> . . . . . 0 TECHNICAL: Provides Wiring Gp when no load share is selected. REQUIRES: LV packages with EMCP 4.2		NC
34	NOLSM03	<b>NO LOAD SHARE MODULE</b> . . . . . 0 TECHNICAL: Provides wiring gp when no load share is selected. REQUIRES: EMCP 4.3		NC
34	LSMOD13	<b>LOAD SHARE MODULE - 380V</b> . . . . . 0 TECHNICAL: Provides load share module panel on package. Includes 10K ohm potentiometer. REQUIRES: 380V Packages with EMCP4.		\$2,125
34	LSMOD14	<b>LOAD SHARE MOD-400-480V</b> . . . . . 0 TECHNICAL: Provides load share module panel on package. Includes 10K ohm potentiometer. REQUIRES: 400-480V Packages with EMCP 4.2		\$2,125
34	LSMOD15	<b>LOAD SHARE MODULE - 600V</b> . . . . . 0 TECHNICAL: Provides load share module panel on package. Includes 10K ohm potentiometer. REQUIRES: 600V Packages with EMCP 4.2		\$2,125

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

*Load Share Module/Auxiliary Plate and Auxiliary Box (LV) (Cont.)*

34	LSMOD16	<b>LOAD SHARE MODULE - 380V</b> ..... 0 TECHNICAL: Provides load share module panel on package. Includes 10K ohm potentiometer. REQUIRES: 380V Packages with EMCP 4.3		\$2,139
34	LSMOD17	<b>LOAD SHARE MODULE - 400-480V</b> ..... 0 TECHNICAL: Provides load share module panel on package. Includes 10K ohm potentiometer. REQUIRES: 400-480V Packages with EMCP 4.3		\$2,139
34	LSMOD18	<b>LOAD SHARE MODULE - 600V</b> ..... 0 TECHNICAL: Provides load share module panel on package. Includes 10K ohm potentiometer. REQUIRES: 600V Packages with EMCP 4.3		\$2,139
34	AUXBOXR	<b>EMPTY RIGHT UPPER BOX</b> ..... 0 TECHNICAL: Provides empty auxiliary box installed on right side of package. ONLY FOR USE WITH: LV 1800 frame generators. CANNOT BE USED WITH: 3000-frame generators or MV 1800-frame generators Other RH-mounted control panel options (EMCP, Aux plate, AC-DC connections).		\$380
34	AUXBOXL	<b>EMPTY LEFT UPPER BOX</b> ..... 0 TECHNICAL: Provides empty auxiliary box installed on left side of package. ONLY FOR USE WITH: LV 1800-frame generators. CANNOT BE USED WITH: 3000-frame generators or MV 1800-frame generators. Other LH-mounted control panel options (EMCP, aux plate, AC-DC connections).		\$380
34	AUXBOXB	<b>EMPTY REAR UPPER BOX</b> ..... 0 TECHNICAL: Provides empty auxiliary box installed on rear of package. ONLY FOR USE WITH: LV 1800-frame generators. CANNOT BE USED WITH: 3000-frame generators or MV 1800-frame generators, other LH-mounted control panel options (EMCP, aux plate, AC-DC connections)		\$380
34	AUXPNLR	<b>AUXILIARY PLATE MOUNTING - RH</b> ..... 0 TECHNICAL: Provides auxiliary plate/cover installed on right side of package. ONLY FOR USE WITH: LV 1800-frame generators. CANNOT BE USED WITH: 3000-frame generators or MV 1800-frame generators; other RH-mounted control panel options (EMCP, aux box, AC-DC connections).		\$73
34	AUXPNLL	<b>AUXILIARY PLATE MOUNTING - LH</b> ..... 0 TECHNICAL: Provides auxiliary plate/cover installed on left side of package. ONLY FOR USE WITH: LV 1800-frame generators. CANNOT BE USED WITH: 3000-frame generators or MV 1800-frame generators; other LH-mounted control panel options (EMCP, aux box, AC-DC connections)		\$73

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

**Load Share Module/Auxiliary Plate and Auxiliary Box (LV) (Cont.)**

34	AUXPNLB	<b>AUXILIARY PLATE MOUNTING-REAR</b> . . . . . 0 TECHNICAL: Provides auxiliary plate/cover installed on rear of package. ONLY FOR USE WITH: LV 1800-frame generators. CANNOT BE USED WITH: 3000-frame generators or MV 1800-frame generators; other Rear-mounted control panel options (EMCP, aux box, AC-DC connections)		\$73
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**Load Share Governor (MV 1800 Frame)**

Optional; Select max of one.

34	LSMOD19	<b>LOAD SHARE MODULE MV1800 FRAME</b> . . . . . 0 TECHNICAL: Provides load share module components on MV packages. Includes 10K ohm potentiometer. REQUIRES: 1800-frame and MV package. CANNOT BE USED WITH: 3000-frame generators; LV.		\$1,600
34	LSMOD20	<b>LOAD SHARE MODULE MV1800 FRAME</b> . . . . . 0 TECHNICAL: Provides load share components of 1800-frame MV packages. Includes 10K ohm potentiometer. REQUIRES: 1800-frame MV with EMCP 4.3 CANNOT BE USED WITH: 3000-frame generators		\$3,809

**1800 FRAME BOXES (LV & MV)**

The following selections will automatically be driven by PSQ/ISA.

34	BOXGN17	<b>BASIC BOX 1800 FRAME LV</b> . . . . . 0 ONLY FOR USE WITH: 1800-frame LV Generators and EMCP 4.2.		\$8,129
34	BOXGN18	<b>BASIC BOX 1800 FRAME MV</b> . . . . . 0 ONLY FOR USE WITH: 1800-frame MV Generators and EMCP 4.2.		\$8,445
34	BOXGN19	<b>BASIC BOX 1800 FRAME LV</b> . . . . . 0 ONLY FOR USE WITH: 1800-frame LV Generators and EMCP 4.3.		\$8,129
34	BOXGN20	<b>BASIC BOX 1800 FRAME MV</b> . . . . . 0 ONLY FOR USE WITH: 1800-frame MV Generators and EMCP 4.3.		\$8,445
34	BOXGN21	<b>BASIC BOX 1800 FRAME LV</b> . . . . . 0 ONLY FOR USE WITH: 1800-frame LV Generators and EMCP 4.4.		\$8,129

**Ground - Automatically Selected**

34	GRND007	<b>GROUND GP</b> . . . . . 0 REQUIRES: 1800 Frame Generator & EMCP4.2 & LV		\$859
34	GRND011	<b>GROUND GP -1400 FRAME LV</b> . . . . . 0 REQUIRES: 1800 Frame Generator & EMCP4.3 or EMCP4.4 & LV		\$859
34	GRND001	<b>GROUND GP</b> . . . . . 0 REQUIRES: 1800 frame generator & EMCP4.2 & MV		\$695
34	GRND003	<b>GROUND GP</b> . . . . . 0 REQUIRES: 1800 frame generator & EMCP4.3 or EMCP4.4 & MV		\$695

**EMCP VOLTAGE AND CURRENT SENSING GROUPS**

Voltage & Current Sensing Groups (including CTs) required to operate the EMCP4 with LV, MV and HV 1800/3000-frame generators will be driven by ISA/PSQ and installed at the factory at no charge.



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

*Control Panel Options (1800 & 3000 Frame)*

**Raise Lower Switch**

34	RSELWR1	<b>VOLTAGE RAISE/LOWER SWITCH-LV</b> . . . . . 0 TECHNICAL: Raise/lower switch installed with the EMCP4.2 for both voltage adjust and VAR/PF adjust. ONLY FOR USE WITH: 1800-frame LV and MV packages.		\$194
34	RSELWR4	<b>VOLTAGE RAISE/LOWER SWITCH</b> . . . . . 0 TECHNICAL: Raise/lower switch installed with the EMCP4.2 for both voltage adjust and VAR/PF adjust. ONLY FOR USE WITH: 3000-frame MV and HV packages.		\$64

**Speed Adjust**

34	SPEDPTS	<b>REMOTE SPEED ADJUST</b> . . . . . 0 TECHNICAL: Allows for remote speed adjust capability. Shipped loose. ONLY FOR USE WITH: 1800 and 3000 frame packages. CANNOT BE USED WITH: Load Share Module options LSMBOD12, LSMOD13, LSMOD14, LDMOD15, LSMOD16, LSMOD17, LSMOD18, and LSMOD20		\$310
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**Annunciator Modules**

Optional; maximum of 3 modules can be ordered with a maximum of 2 local installed modules.

34	CVR0077	<b>COVERS-NO LOCAL ANNUNC MODULES</b> . . . . . 0 ** DEFAULT OFFERING ** REQUIRED when no local annunciator modules are selected. ONLY FOR USE WITH: 1800 frame generators.		\$119
34	CVR0048	<b>NO LOCAL ANNUNCIATOR</b> . . . . . 0 REQUIRED when one local annunciator module is selected. ONLY FOR USE WITH: 1800- and 3000-frame generators.		\$55
34	ANNCL01	<b>LOCAL CUSTOM ANNUNCIATOR</b> . . . . . 0 TECHNICAL: Provides 16 point/32 light annunciator, accessory RS485 link mounted on package, with label kit shipped loose for customer installation. ONLY FOR USE WITH: 1800-frame generators. CANNOT BE USED WITH: 1st local annunciator with NFPA 99-110/CSA 282 (ANNNFPA).		\$606
34	ANNNFPA	<b>1ST LOCAL NFPA ANNUNCIATOR</b> . . . . . 0 TECHNICAL: Provides 16 point/32 light annunciator, accessory RS485 data link, mounted on package, with NFPA 99-110/CSA 282 label. ONLY FOR USE WITH: 1800-frame generators. CANNOT BE USED WITH: 1st Custom Local Annunciator (ANNCL01).		\$968
34	ANNCUST	<b>2ND CUSTOM LOCAL ANNUNCIATOR</b> . . . . . 0 TECHNICAL: Provides 16 point/32 light annunciator, accessory RS485 data link, mounted on package, with label kit shipped loose for customer installation. ONLY FOR USE WITH: 1800-frame generators.		\$606

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

**Annunciator Modules (Cont.)**

34	CVR0078	<b>COVERS-NO LOCAL ANNUNC MODULES</b> ..... 0 ** DEFAULT OFFERING ** REQUIRED when no local annunciator modules are selected. ONLY FOR USE WITH: 3000-frame generators.		\$108
34	CVR0044	<b>COVERS-NO LOCAL ANNUNC MODULES</b> ..... 0 REQUIRED when one local annunciator module is selected. ONLY FOR USE WITH: 3000-frame generators.		\$55
34	ANNCL02	<b>LOCAL CUSTOM ANNUNCIATOR</b> ..... 0 TECHNICAL: Provides 16 point (32 light) annunciator accessory CAN RS485 data link mounted on package, with label kit shipped loose for customer installation. ONLY FOR USE WITH: 3000-frame generators. CANNOT BE USED WITH: 1ST Local Annunciator with NFPA 99-110/CSA 282 (ANNNFPA).		\$584
34	ANNR009	<b>LOCAL NFPA ANNUNCIATOR</b> ..... 0 TECHNICAL: Provides 16 point/32 light annunciator, CAN RS485 data link, mounted on package, with NFPA 99-110/CSA 282 label. ONLY FOR USE WITH: 3000-frame generators. CANNOT BE USED WITH: 1ST Custom Annunciator (ANNCL02)		\$530
34	ANNCL03	<b>2ND CUSTOM LOCAL ANNUNCIATOR</b> ..... 0 TECHNICAL: Provides 16 point/32 light annunciator accessory CAN RS485 data link, mounted on package, with label kit shipped loose for customer. ONLY FOR USE WITH: 3000-frame generators.		\$584
34	ANNC001	<b>REMOTE CUSTOM ANNUNCIATOR</b> ..... 0 Shipped loose. TECHNICAL: Provides 16 point/32 light annunciator, RS485 module with label kit shipped loose. ONLY FOR USE WITH: 1800-and 3000-frame generator packages.		\$966
34	ANNC002	<b>CUSTOM NFPA REMOTE ANNUNCTR X2</b> ..... 0 Shipped loose. TECHNICAL: Provides 2, 16 point/32 light annunciator, RS485 module with label kit shipped loose. ONLY FOR USE WITH: 1800-and 3000-frame generator packages.		\$1,932
34	ANNC003	<b>CUSTOM NFPA REMOTE ANNUNCTR X3</b> ..... 0 Shipped loose. TECHNICAL: Provides 3, 16 point/32 light annunciator, RS485 module with label kit shipped loose. ONLY FOR USE WITH: 1800-and 3000-frame generator packages.		\$2,898

**Customer Interface Options**

Note: A maximum of two discrete I/O modules may be shipped loose if no discrete I/O modules are package mounted. A maximum of one discrete I/O module may be shipped loose if one discrete I/O module is package mounted.

34	EMCSD17	<b>SPARE DISCRETE I/O PACKAGE</b> ..... 0 Installed. TECHNICAL: Provides 12 digital inputs and 8 form "C" relay outputs for customer use. REQUIRES: Customer programming and 1800 frame generator with EMCP 4.2. CANNOT BE USED WITH: EMCSD14 OR EMCSD18		\$1,032
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**CONTROL PANEL OPTIONS (CONT.)**

*Customer Interface Options (Cont.)*

34	EMCSD18	<b>SPARE DISCRETE I/O PACKAGE</b> ..... 0 Installed. TECHNICAL: Provides 12 digital inputs and 8 form "C" relay outputs for customer use. REQUIRES: Customer programming and 1800 frame generator with EMCP 4.3/4.4. CANNOT BE USED WITH: EMCSD14 OR EMCSD17.		\$1,784
34	EMCSDP3	<b>INSTALLED DIO MODULE</b> ..... 0 Installed in Wall Mount Panel TECHNICAL: Provides 12 digital inputs and 8 form "C" relay outputs for customer use. REQUIRES: Customer Programming & HV3000 frame generator with EMCP 4.2. CANNOT BE USED WITH: EMCSD14		\$1,997
34	EMCSDP2	<b>DISCRETE I/O MODULE</b> ..... 0 Shipped loose. TECHNICAL: Provides qty one - 12 digital inputs and 8 form "C" relay outputs for customer use. REQUIRES: Customer programming. ONLY FOR USE WITH: 1800-frame and 3000-frame generators. CANNOT BE USED WITH: EMCSD14		\$567
34	EMCSD14	<b>SPARE DISCRETE I/O PACKAGE</b> ..... 0 Shipped loose. TECHNICAL: Provides QTY 2 - 12 digital inputs and 8 form "C" relay outputs for customer use. REQUIRES: Customer programming. ONLY FOR USE WITH: 1800-frame and 3000-frame generators. CANNOT BE USED WITH: EMCSD17 OR EMCSD18 OR EMCSDP2		\$1,106

*Generator Temperature Monitoring*

34	GRTDM00	<b>GENERATOR MONITORING PACKAGE</b> ..... 0 TECHNICAL: Provides generator RTD module and bearing RTDs to supply generator bearing and stator temperature monitoring capability for generators. Parameters are viewable on the EMCP 4. REQUIRES: 1800-frame generator with EMCP 4.2		\$2,486
34	GRTDM01	<b>GENERATOR MONITORING PACKAGE</b> ..... 0 TECHNICAL: Provides generator RTD module and bearing RTDs to supply generator bearing and stator temperature monitoring capability for generators. Parameters are viewable on the EMCP 4. REQUIRES: 1800-frame generator & EMCP 4.3 or 4.4.		\$2,821
34	GENRTD3	<b>GENERATOR MONITORING PKG HV</b> ..... 0 TECHNICAL: Provides generator RTD module to supply generator bearing and stator temperature monitoring capability for generators. Parameters are viewable on the EMCP 4. REQUIRES: 3000-frame generator & EMCP 4.2.		\$1,233

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

***Generator Temperature Monitoring (Cont.)***

34	GENRTD7	<b>GENERATOR MONITORING PACKAGE</b> . . . . . 0 TECHNICAL: Provides generator RTD module to supply generator bearing and stator temperature monitoring capability for generators. Parameters are viewable on the EMCP 4. REQUIRES: 3000-frame generator & EMCP 4.3.		\$1,245
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***Modbus Monitoring of Packages***

34	LPCMONS	<b>LOCAL PC MONITORING</b> . . . . . 0 TECHNICAL: Provides RS485 to RS232 converter.		\$237
34	RPCMONS	<b>REMOTE PC MONITORING</b> . . . . . 0 TECHNICAL: Provides DIN rail mountable industrial dial up modem.		\$1,375

***E-STOP***

34	ESTOP01	<b>ESTOP - ENGINE MOUNTED</b> . . . . . 0 ONLY FOR USE WITH: 3000 frame Generators, EMCP4.2 or EMCP4.3		\$1,710
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***Interconnect Harness***

Select One - Partially Installed

34	HRNCN17	<b>25' 7.5 M INTERCONNECT HARNESS</b> . . . . . 0 TECHNICAL: Provides interconnect between 3000 frame generator package and wall mount EMCP4.2 & 4.3 control panel.		\$1,065
34	HRNCN18	<b>66' 20 M INTERCONNECT HARNESS</b> . . . . . 0 TECHNICAL: Provides interconnect between 3000 frame generator package and wall mount EMCP4.2 & 4.3 control panel.		\$1,640

***Generator Harness***

Select One - Shipped Loose

34	HRNCN19	<b>25' 7.5 M INTERCONNECT HARNESS</b> . . . . . 0 TECHNICAL: Provides interconnect between 3000 frame generator package and wall mount EMCP4.2 & 4.3 control panel.		\$887
34	HRNCN20	<b>66' 20 M INTERCONNECT HARNESS</b> . . . . . 0 TECHNICAL: Provides interconnect between 3000 frame generator package and wall mount EMCP4.2 & 4.3 control panel.		\$1,716
34	VANDALD	<b>VANDAL PROOF PANEL DOOR</b> . . . . . 0 TECHNICAL: Adds vandal door to protect package-mounted control panel.		\$165

**COOLING SYSTEM**

***Package Mounted Radiator***

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

**C175 1500 RPM 50 Hz PGS**

3	RADTF39	<b>PKG MOUNTED 64 SCAC RADIATOR</b> ..... 0 ** DEFAULT OFFERING 50 Hz Package Mounted Radiator ** TECHNICAL: 50 HZ 64 Sq ft SCAC radiator Radiator Mounted Fan, Ambient Capability: 40C(104F), 300M(985ft), at Standby Rating Coolant level sensors. Radiator group is Shipped Loose. ONLY FOR USE WITH: 175DE87, 175DE90, 175DE93, 175DE24, 175DE27, 175DE30		\$80,717
3	RADTF41	<b>PKG MOUNTED 84 SCAC RADIATOR</b> ..... 0 TECHNICAL: 50 HZ 84 Sq ft SCAC radiator Radiator Mounted Fan, Ambient Capability: 50C(122F), 300M(985ft), at Standby Rating Coolant level sensors. Radiator group is Shipped Loose. ONLY FOR USE WITH: 175DE87, 175DE90, 175DE93, 175DE24, 175DE27, 175DE30		\$104,526

**C175 1800 RPM 60 Hz PGS**

3	RADTF47	<b>PKG MOUNTED 73 SCAC RADIATOR</b> ..... 0 ** DEFAULT OFFERING 60 Hz Package Mounted Radiator ** TECHNICAL: 60 HZ 73 Sq ft SCAC radiator Radiator Mounted Fan, Ambient Capability: 40C(104F), 300M(985ft), at Standby Rating Coolant level sensors. Radiator group is Shipped Loose. ONLY FOR USE WITH: 175DE69, 175DE72, 175DE75, 175DE78, 175DE81, 175DE84		\$114,325
3	RADTF49	<b>PKG MOUNTED 84 SCAC RADIATOR</b> ..... 0 TECHNICAL: 60 HZ 84 Sq ft SCAC radiator Radiator Mounted Fan, Ambient Capability: 43C(110F), 300M(985ft), at Standby Rating Coolant level sensors. Radiator group is Shipped Loose. ONLY FOR USE WITH: 175DE69, 175DE72, 175DE75, 175DE78, 175DE81, 175DE84		\$125,552

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

### Remote Radiators

4	RAD0008	<b>HORIZONTAL SCAC RADIATOR</b> ..... 0 TECHNICAL: 60 Hz - 2987184; shipped loose. - SINGLE SPEED. - Tube & fin cores with mechanical-bonded tube to header joints. - Painted Steel Structure. Contact Application Support for Installations in coastal or other corrosive environments. - 90 kW @ 480 VAC 60hz. - Apx dims: L = 4722mm x W = 2286mm x H = 2562mm. - Apx dry weight 5555 KG. - Coolant capacity: JW = 830L, SCAC = 337L (radiator + engine only). - ANSI Flanges: JW = 6", SCAC = 5". - For use with 60 hertz packages. -CANNOT BE USED WITH: 175DE00, 175DE03,175DE06, 175DE57, 175DE59, 175DE61, OR 50 Hz - 2987183; shipped loose. - SINGLE SPEED. - Tube & fin cores with mechanical-bonded tube to header joints. - Painted Steel Structure. Contact Application Support for Installations in coastal or other corrosive environments. - 75 kW @ 400 VAC 50hz. - Apx dims: L = 4722mm x W = 2286mm x H = 2562mm. - Apx dry weight 5555 KG. - Coolant capacity: JW = 830L, SCAC = 337L (radiator + engine only). - ANSI Flanges: JW = 6", SCAC = 5". - For use with 50 hertz packages. -Cannot be used with 175DE15, 175DE18, or 175DE21	0	\$119,129
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### Fuel Cooler (Optional - Shipped Loose)

34	FULCO10	<b>COOLER GP-FUEL</b> ..... 0 TECHNICAL: 24-volt DC motor, 5.5A max current. Serpentine core. M33 ORFS fuel connection ports. Mounting provisions on front face (4X M10X1.5 threaded holes). Apx dims: L = 570mm x W = 358mm x H = 396mm. Apx dry weight: 29.4kg.	0	\$2,368
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## EXHAUST SYSTEM

### ENGINE

Front Housing (Automatically Selected)

34	FRTHGSB	<b>FRONT HOUSING-STANDBY</b> ..... 0 TECHNICAL: Provides engine front housing for use with STANDBY or MISSION CRITICAL duty.	0	NC
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**EXHAUST SYSTEM (CONT.)**

**ENGINE (Cont.)**

34	FRTHGPC	<b>FRONT HOUSING-PRMCNT</b> ..... 0 TECHNICAL: Provides engine front housing for use with PRIME or CONTINUOUS duty.		NC
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**Exhaust Collectors/Manifold**

One required.

34	EXHB001	<b>BOLTED EXHAUST FLANGE(S)</b> ..... 0 ** DEFAULT OFFERING ** Shipped loose. TECHNICAL: Provides bolted flange (ANSI 6"/DIN 150) with bellows for each turbo (Qty 4). CANNOT BE USED WITH: EXHC001, EXHC002, EXHC003.		\$2,661
34	EXHC001	<b>20" VERTICAL EXHAUST COLLECTOR</b> ..... 0 Partially installed. TECHNICAL: Provides adapters from turbo to 20" ANSI/DIN 500 flange, vertical flange. CANNOT BE USED WITH: EXHB001, EXHC002, EXHC003.		\$15,462
34	EXHC002	<b>16" VERTICAL EXHAUST COLLECTOR</b> ..... 0 Partially installed. TECHNICAL: Provides adapters from turbo to 16" ANSI flange, vertical flange. CANNOT BE USED WITH: EXHB001, EXHC001, EXHC003.		\$11,526
34	EXHC003	<b>16" HORIZONTAL EXHST COLLECTOR</b> ..... 0 Partially installed. TECHNICAL: Provides adapters from turbo to 16" ANSI flange, horizontal flange. CANNOT BE USED WITH: EXHB001, EXHC001, EXHC002.		\$9,299

**Exhaust Support Group**

34	SUPEXH1	<b>SUPPORT FOR CUSTOMER EXHAUST</b> ..... 0 Installed. TECHNICAL: Provides a mounting bracket to support customer provided exhaust outlet elbows. Maximum weight of the customer exhaust components cannot exceed 90 Kg. centered on the top surface of the support. The maximum overall dimensions of the customer exhaust components cannot exceed the following dimensions from the center point of the top surface of the support. Cannot be taller than 500 mm. Cannot be more than 700 mm to the left or 700 mm to the right. Cannot be more than 250 mm to the front (pointing to the front of the engine) or 250 mm to the rear (pointing to the rear of the engine).  Any values outside of these parameters will require approval from A&I Engineering. CANNOT BE USED WITH: EXHC001, EXHC002, EXHC003		\$1,035
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**EXHAUST SYSTEM (CONT.)**

**Mufflers**

Shipped loose. Refer to TMI for performance.

34	MUF0034	<b>MUFFLER - 508 MM (20 IN)</b> ..... 0 TECHNICAL: 15 dBA silencer - 508mm (20in). Industrial grade. Provides one muffler with 150# 20" ANSI flange. Side inlet - end outlet. Apx dimensions L = 2579, D = 1220.		\$7,313
34	MUF0035	<b>MUFFLER - 508 MM (20 IN)</b> ..... 0 TECHNICAL: 25 dBA silencer - 508mm (20in). Residential grade. Provides one muffler with 150# 20" ANSI flange. Side inlet - end outlet. Apx dimensions L = 3531, D = 1220.		\$9,829
34	MUF0036	<b>MUFFLER - 508 MM (20 IN)</b> ..... 0 TECHNICAL: 34 dBA silencer - 508mm (20in). Critical grade. Provides one muffler with 150# 20" ANSI flange. Side inlet - end outlet. Apx dimensions L = 5054, D = 1220.		\$13,853
34	MUF0037	<b>15 DBA SILENCER</b> ..... 0 TECHNICAL: 15 dBA silencer - Dual 406mm (16in). Industrial grade. Provides two mufflers with 16" ANSI flange. Side inlet - end outlet. Apx dimensions L = 2464, D = 915.		\$8,817
34	MUF0038	<b>25 DBA SILENCER</b> ..... 0 TECHNICAL: 25 dBA silencer - - Dual 406mm (16in). Residential grade. Provides one muffler with 16" ANSI flange. Side inlet - end outlet. Apx dimensions L = 3378, D = 915.		\$11,715
34	MUF0039	<b>34 DBA SILENCER</b> ..... 0 TECHNICAL: 34 dBA silencer - - Dual 406mm (16in). Critical grade. Provides two muffler with 16" ANSI flange. Side inlet - end outlet. Apx dimensions L = 3987, D = 915.		\$13,648

**Weld Flanges**

Shipped loose.

34	FLGW001	<b>WELD FLANGE ANSI 20"</b> ..... 0 TECHNICAL: Provides one ANSI 20" flange, gasket, and 20 sets of bolts, nuts & washers.		\$1,910
34	FLGW002	<b>WELD FLANGE DIN 500</b> ..... 0 TECHNICAL: Provides one DIN 500 flange, gasket, and 20 sets of bolts, nuts & washers.		\$1,767

**Aftercooler Drain**

34	AFTP001	<b>PLUG GP W/O AC DRAIN</b> ..... 0 ** DEFAULT OFFERING ** TECHNICAL: Provides plug group for use when an aftercooler drain is not selected.		NC
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**FACTORY SUPPORT**

**Commissioning**

Caterpillar Electric Power has removed the option of factory commissioning from the EPG price lists. Commissioning by a factory certified commissioning engineer is recommended to ensure proper installation and set-up of the engine. Experience has shown properly commissioned engines deliver the highest reliability. Commissioning services remain available from the Caterpillar factory, for more information contact your Caterpillar dealer. Dealers may consult the following link: <https://engines.cat.com/en/oil-gas/parts-service0/commissioning/commissioning-requestform.html>

**FUEL SYSTEM**

**Primary Fuel Filter**

34	FFFWS01	PRIMARY FUEL FILTER . . . . . 0 ** DEFAULT OFFERING ** Shipped loose. TECHNICAL: Provides three spin-on primary fuel filters. 10 Micron. Provisions to package mount.		\$2,624
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**GENERAL**

34	SPCNT2	SPECIAL PAINT . . . . . 0 Colors (other than Caterpillar yellow) or high performance paints.		\$1,515 NET
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**General**

34	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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**SERVICE TOOLS**

**Barring Groups**

34	BARGP01	ENGINE BARRING GROUP . . . . . 0 Installed. Right hand upper starter location. Manual 1:1 rotation. Used to manually turn engine crankshaft. CANNOT BE USED WITH: Electric start redundant (quad start) set (LH and RH).		\$447
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**GENERAL (CONT.)**

*Barring Groups (Cont.)*

34	BARGP02	<b>BARRING GROUP MANUAL</b> . . . . . 0 Installed. Right hand lower starter location. Manual 20:1 ration. Used to manually turn engine crankshaft. CANNOT BE USED WITH: Electric start redundant (quad start) set (LH and RH). or air starting motor-turbine-RH.		\$2,572
34	BARGP09	<b>BARRING GROUP MANUAL</b> . . . . . 0 Installed. Left hand lower starter location Manual 20:1 ration. Used to manually turn engine crankshaft. CANNOT BE USED WITH: Electric starting motors (ELSM240 AND ELSM241).		\$2,572
34	BARGP03	<b>ENGINE BARRING AIR POWERED</b> . . . . . 0 Air powered. Located on the right side if dual electric starter selected (left side of the engine) and on the left side if the air starter selected (single on the right side). REQUIRES: 620 KPA (90 Psi) max air pressure. CANNOT BE USED WITH: Electric start redundant (quad start) set (LH and RH).		\$4,377
34	CNTGP00	<b>CONTROL GP-AIRPOWERED BAR GRP</b> . . . . . 0 Shipped loose. Pendant controller. Allow remote control for the air power barring device. 9m (30 ft) length. ONLY FOR USE WITH: Air power barring device.		\$639

**GENERATORS AND GENERATOR ATTACHMENTS**

*Generator Tables (LV)*

50 HZ, 380 VOLTS

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000F	150	125	105	175DE87/88	OGPM700	1868
		N/A	N/A	125	175DE87/88	OGPM701	1866
	3000FE	150	N/A	N/A	175DE24/25	OGPM700	1868

USE	REF NO.	<b>OPTIONAL ATTACHMENTS</b>	Ship Weight lbs	List Price At Factory
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**GENERATORS AND GENERATOR ATTACHMENTS (CONT.)**

50 HZ, 400 VOLTS

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000F	150	125	105	175DE87/88	OGPM701	1866
		125	105	N/A	175DE87/88	OGPM700	1868
	3000FE	150	N/A	N/A	175DE24/25	OGPM701	1866
FW PM	3100F	150	125	105	175DE89	OGPM700	1868
		3100FE	150	N/A	N/A	175DE26	OGPM700

50 HZ, 415 VOLTS

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000F	150	125	105	175DE87/88	OGPM700	1868
		N/A	N/A	125	175DE87/88	OGPM701	1866
	3000FE	150	N/A	N/A	175DE24/25	OPGM700	1868

**GENERATORS LV**

**50 Hz, 3 Phase 1500 RPM,  
FW, PM, No. of Leads = 6, Pitch = .6667**

**1800 FRAME**

34	OGPM700	GENERATOR 1868 FRAME 2 BRG .....	0	\$185,455
		Generator Argt = 372-3068.		
34	OGPM701	GENERATOR 1866 FRAME 2 BRG .....	0	\$162,161
		Generator Argt = 372-3064.		

**Generator Tables (MV)**

USE	REF NO.	OPTIONAL ATTACHMENTS			Ship Weight lbs	List Price At Factory
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**GENERATORS AND GENERATOR ATTACHMENTS (CONT.)**  
50 HZ, 3300 VOLTS

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000F	150	125	105	175DE90/91	OGPM563	1846
		125	105	N/A	175DE90/91	OGPM564	1848
		105	N/A	80	175DE90/91	OGPM576	3042
		N/A	80	N/A	175DE90/91	OGPM577	3044
		80	N/A	N/A	175DE90/91	OGPM578	3045
	3000FE	150	N/A	N/A	175DE27/28	OGPM563	1846
FW PM	3100F	150	125	105	175DE92	OGPM564	1848
		N/A	N/A	125	175DE92	OGPM563	1846
		130	105	80	175DE92	OGPM576	3042
		105	N/A	N/A	175DE92	OGPM577	3044
		80	80	N/A	175DE92	OGPM578	3045
	3100FE	150	N/A	N/A	175DE29	OGPM562	1848

**GENERATORS MV**  
50 Hz, 3 Phase 1500 RPM  
FW, PM, No. of Leads = 6, Pitch = .6667

**1800 FRAME**

34	OGPM564	GENERATOR 1848 FRAME 2 BRG	..... 0	\$214,813
		Generator Argmt = 372-3062.		
34	OGPM563	GENERATOR 1846 FRAME 2 BRG	..... 0	\$185,421
		Generator Argmt = 372-3060.		
34	OGPM576	GENERATOR 3042 FRAME 2 BRG	..... 0	\$275,342
		Generator Argmt = 375-3674.		

**3000 FRAME**

34	OGPM577	GENERATOR 3044 FRAME 2 BRG	..... 0	\$272,360
		Generator Argmt = 375-3684.		
34	OGPM578	GENERATOR 3045 FRAME 2 BRG	..... 0	\$287,660
		Generator Argmt = 375-3694.		

**Generator Tables (HV)**

**50 HZ, 6300, 6600, 6900 VOLTS**

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

**50 HZ, 3300 VOLTS (Cont.)**

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3100F	105	105	80	175DE95	OGPM567	3044
		80	80	N/A	175DE95	OGPM568	3045
	3100FE	130	N/A	N/A	175DE32	OGPM567	3044
FW PM	3000F	130	105	105	175DE93/94	OGPM569	3020
		105	N/A	80	175DE93/94	OGPM579	3042
		N/A	80	N/A	175DE93/94	OGPM567	3044
		80	N/A	N/A	175DE93/94	OGPM568	3045
	3000FE	130	N/A	N/A	175DE30/31	OGPM569	3020

**50 HZ, 10,000 VOLTS**

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3100F	105	105	80	175DE95	OGPM570	3044
		80	80	N/A	175DE95	OGPM571	3045
	3100FE	105	N/A	N/A	175DE32	OGPM570	3044
FW PM	3000F	130	105	105	175DE93/94	OGPM572	3020
		105	N/A	80	175DE93/94	OGPM565	3042
		N/A	80	N/A	175DE93/94	OGPM570	3044
		80	N/A	N/A	175DE93/94	OGPM571	3045
	3000FE	130	N/A	N/A	175DE30/31	OGPM572	3020

**50 HZ, 10,500, 11,000 VOLTS**

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3100F	105	105	80	175DE95	OGPM575	3044
		80	80	N/A	175DE95	OGPM573	3045
	3100FE	105	N/A	N/A	175DE32	OGPM575	3044
FW PM	3000F	130	105	105	175DE93/94	OGPM574	3020
		105	N/A	80	175DE93/94	OGPM566	3042
		N/A	80	N/A	175DE93/94	OGPM575	3044
		80	N/A	N/A	175DE93/94	OGPM573	3045
	3000FE	130	N/A	N/A	175DE30/31	OGPM574	3020

**6300, 6600, 6900, 10000, 10500, 11000 VOLTS**

**3000 FRAME**

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

**50 HZ, 3300 VOLTS (Cont.)**

34	OGPM567	GENERATOR 3044 FRAME 2 BRG Generator Argt = 375-3692.	0	\$312,239
34	OGPM568	GENERATOR 3045 FRAME 2 BRG Generator Argt = 375-3702	0	\$320,344
34	OGPM569	GENERATOR 3020 FRAME 2 BRG Generator Argt = 375-3672.	0	\$295,643
34	OGPM570	GENERATOR 3044 FRAME 2 BRG Generator Argt = 375-3686.	0	\$326,847
34	OGPM571	GENERATOR 3045 FRAME 2 BRG Generator Argt = 375-3696.	0	\$331,663
34	OGPM572	GENERATOR 3020 FRAME 2 BRG Generator Argt = 375-3666.	0	\$303,633
34	OGPM573	GENERATOR 3045 FRAME 2 BRG Generator Argt = 375-3698.	0	\$327,587
34	OGPM575	GENERATOR 3044 FRAME 2 BRG Generator Argt = 375-3688.	0	\$314,288
34	OGPM574	GENERATOR 3020 FRAME 2 BRG Generator Argt = 375-3668.	0	\$292,662
34	OGPM579	GENERATOR 3042 FRAME 2 BRG Generator Argt = 375-3682.	0	\$304,913
34	OGPM565	GENERATOR 3042 FRAME 2 BRG Generator Argt = 375-3676.	0	\$321,302
34	OGPM566	GENERATOR 3042 FRAME 2 BRG Generator Argt = 375-3678.	0	\$309,379

**60 HZ, 480 VOLTS**

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000S	150	125	105	175DE69/70	OGPM540	1866
		125	105	N/A	175DE69/70	OGPM541	1868
		N/A	N/A	125	175DE69/70	OGPM542	1844
		150	125	105	175DE78/79	OGPM540	1866
		125	105	N/A	175DE78/79	OGPM541	1868
		N/A	N/A	125	175DE78/79	OGPM542	1844
	3100S	150	125	105	175DE71	OGPM541	1868
		N/A	N/A	125	175DE71	OGPM540	1866
		150	125	105	175DE80	OGPM541	1868
		N/A	N/A	125	175DE80	OGPM540	1866

USE	REF NO.	OPTIONAL ATTACHMENTS				Ship Weight lbs	List Price At Factory
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**GENERATORS AND GENERATOR ATTACHMENTS (CONT.)**  
60 HZ, 600 VOLTS

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000S	150	125	105	175DE69/70	OGPM562	1866
		125	105	N/A	175DE69/70	OGPM543	1868
		N/A	N/A	125	175DE69/70	OGPM544	1844
	3100S	150	125	105	175DE78/79	OGPM562	1866
		125	105	N/A	175DE78/79	OGPM543	1868
		N/A	N/A	125	175DE78/79	OGPM544	1844
3100S	3100S	150	125	105	175DE71	OGPM543	1868
		N/A	N/A	125	175DE71	OGPM562	1866
		150	125	105	175DE80	OGPM543	1868
		N/A	N/A	125	175DE80	OGPM562	1866

**GENERATORS LV**

60 Hz, 3 Phase 1800 RPM,  
FW, PM, No. of Leads = 6, Pitch = .6667

**1800 FRAME**

34	OGPM541	GENERATOR 1868 FRAME 2 BRG . . . . .	0	\$185,455
		** DEFAULT OFFERING 480V 3100S **		
		Generator Argt = 372-3068.		
34	OGPM540	GENERATOR 1866 FRAME 2 BRG . . . . .	0	\$162,161
		** DEFAULT OFFERING 480V 3000S **		
		Generator Argt = 372-3064.		
34	OGPM542	GENERATOR 1844 FRAME 2 BRG . . . . .	0	\$150,714
		Generator Argt = 372-3056.		
34	OGPM543	GENERATOR 1868 FRAME 2 BRG . . . . .	0	\$198,873
		Generator Argt = 372-3070.		
34	OGPM562	GENERATOR 1866 FRAME 2 BRG . . . . .	0	\$173,172
		Generator Argt = 372-3066.		
34	OGPM544	GENERATOR 1844 FRAME 2 BRG . . . . .	0	\$157,839
		Generator Argt = 372-3058.		
34	OGPM649	GENERATOR 1868 FRAME 2 BRG . . . . .	0	\$219,298
		Generator Argt = 433-0082.		

**Generator Tables (MV)**

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**GENERATORS AND GENERATOR ATTACHMENTS (CONT.)**  
60 HZ, 4160 VOLTS

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000S	150	125	105	175DE72/73/82	OGPM545	1846
		125	105	N/A	175DE72/73/81/82	OGPM546	1848
		105	N/A	80	175DE73/81/82	OGPM549	3042
		N/A	80	N/A	175DE73/81/82	OGPM550	3044
		80	N/A	N/A	175DE73/81/82	OGPM551	3045
	3100S	150	125	105	175DE74/83	OGPM546	1848
		N/A	N/A	125	175DE74/83	OGPM545	1846
		130	105	80	175DE74/83	OGPM549	3042
		105	N/A	N/A	175DE74/83	OGPM550	3044
		80	80	N/A	175DE74/83	OGPM551	3045

**GENERATORS MV**

**60 Hz, 3 Phase 1800 RPM**

FW, PM, No. of Leads = 6, Pitch = .6667

**1800 Frame**

34	OGPM546	GENERATOR 1848 FRAME 2 BRG	0	\$213,857
		** DEFAULT OFFERING 4160V 3100S **		
		Generator Argmt = 372-3062.		
34	OGPM545	GENERATOR 1846 FRAME 2 BRG	0	\$184,464
		** DEFAULT OFFERING 4160V 3000S **		
		Generator Argmt = 372-3060.		

**3000 FRAME**

34	OGPM549	GENERATOR 3042 FRAME 2 BRG	0	\$269,685
		Generator Argmt = 375-3674.		
34	OGPM550	GENERATOR 3044 FRAME 2 BRG	0	\$266,703
		Generator Argmt = 375-3684.		
34	OGPM551	GENERATOR 3045 FRAME 2 BRG	0	\$282,003
		Generator Argmt = 375-3694.		

**Generator Tables (HV)**



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

60 HZ, 6300 - 6600 - 6900 VOLTS

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000S	130	105	105	175DE75/76/84/85	OGPM557	3020
		105	N/A	80	175DE75/76/84/85	OGPM552	3042
		N/A	80	N/A	175DE75/76/84/85	OGPM555	3044
		80	N/A	N/A	175DE75/76/84/85	OGPM556	3045
FW PM	3100S	105	105	80	175DE77/86	OGPM555	3044
		80	80	N/A	175DE77/86	OGPM556	3045
		N/A	N/A	105	175DE77/86	OGPM557	3020

60 HZ, 12470 VOLTS

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000S	130	105	105	175DE75/76/84/85	OGPM547	3020
		105	N/A	80	175DE75/76/84/85	OGPM553	3042
		N/A	80	N/A	175DE75/76/84/85	OGPM548	3044
		80	N/A	N/A	175DE75/76/84/85	OGPM558	3045
FW PM	3100S	105	105	80	175DE77/86	OGPM548	3044
		80	80	N/A	175DE77/86	OGPM558	3045
		N/A	N/A	105	175DE77/86	OGPM547	3020

**60 HZ, 13200 & 13800 VOLTS**

Description	Code	Standby	Prime	Cont	PGS	Generator	Frame
FW PM	3000S	130	105	105	175DE75/76/84/85	OGPM561	3020
		105	N/A	80	175DE75/76/84/85	OGPM554	3042
		N/A	80	N/A	175DE75/76/84/85	OGPM559	3044
		80	N/A	N/A	175DE75/76/84/85	OGPM560	3045
FW PM	3100S	105	105	80	175DE77/86	OGPM559	3044
		80	80	N/A	175DE77/86	OGPM560	3045
		N/A	N/A	105	175DE77/86	OGPM561	3020

**60 Hz, 3 Phase 1800 RPM**

**FW, PM, No. of Leads = 6, Pitch = .6667**

**3000 Frame**

34	OGPM555	GENERATOR 3044 FRAME 2 BRG .....	0	\$298,307
		Generator Argt = 375-3690.		
34	OGPM556	GENERATOR 3045 FRAME 2 BRG .....	0	\$304,734
		Generator Argt = 375-3700.		

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

**3000 Frame (Cont.)**

34	OGPM557	GENERATOR 3020 FRAME 2 BRG . . . . . 0 Generator Argt = 375-3670.		\$283,933
34	OGPM548	GENERATOR 3044 FRAME 2 BRG . . . . . 0 ** DEFAULT OFFERING HV 3100S ** Generator Argt = 375-3686.		\$326,846
34	OGPM558	GENERATOR 3045 FRAME 2 BRG . . . . . 0 Generator Argt = 375-3696.		\$326,705
34	OGPM547	GENERATOR 3020 FRAME 2 BRG . . . . . 0 ** DEFAULT OFFERING HV 3000S ** Generator Argt = 375-3666.		\$298,675
34	OGPM559	GENERATOR 3044 FRAME 2 BRG . . . . . 0 Generator Argt = 375-3688.		\$314,285
34	OGPM560	GENERATOR 3045 FRAME 2 BRG . . . . . 0 Generator Argt = 375-3698.		\$327,586
34	OGPM561	GENERATOR 3020 FRAME 2 BRG . . . . . 0 Generator Argt = 375-3668.		\$292,661
34	OGPM552	GENERATOR 3042 FRAME 2 BRG . . . . . 0 Generator Argt = 375-3680.		\$293,613
34	OGPM553	GENERATOR 3042 FRAME 2 BRG . . . . . 0 Generator Argt = 375-3676.		\$316,344
34	OGPM554	GENERATOR 3042 FRAME 2 BRG . . . . . 0 Generator Argt = 375-3678.		\$309,378

**GENERATOR OPTIONS (OPTIONAL)**

34	SHK0003	SPACE HEATER KIT . . . . . 0 Provides heating for condensation control. REQUIRES: 1800 frame generator.		\$348
34	SHKTHM0	THERMOSTAT FOR SPACE HEATER . . . . . 0 TECHNICAL: For automatic control of space heater. REQUIRES: 3000 frame generator.		\$1,239
34	CVR0027	COVER GP. . . . . 0 ** DEFAULT OFFERING: 3000 FRAME GENERATOR ** TECHNICAL: Provides cover when Thermostat (LF0247) is not selected on 3000 frame generators.		NC
34	CNVGP04	CONVERSION GP-TOP CABLE ENTRY . . . . . 0 TECHNICAL: Converts 3000 frame generators for use with top cable entry. REQUIRES: 3000 frame generator (MV or HV).		\$1,983

**Generator Air Intake**

MUST SELECT ONE FOR 3000 FRAME

34	CVR0054	COVER GP-GEN EXCITER-300 . . . . . 0 ** DEFAULT OFFERING** Provides cover for Generator end -no filter REQUIRES: 3000 frame generator (MV or HV).		\$2,608
34	GNAIF06	AIR FILTER - 3000 FRAME GEN . . . . . 0 Provides filter and frame for generator intake REQUIRES: 3000 frame generator (MV or HV).		\$6,761

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

**Differential Current Transformers (DCT),**

One set of three CTs, installed in generator terminal box on neutral leads. To be used with phase CT's available with Caterpillar switch gear Used for differential protection.

REQUIRES: 3000 frame generator (MV or HV)  
 CANNOT BE USED WITH: 2400 Volt (Delta Connection)

**DCT - 15 kV Class**

REQUIRES: 10000/10500/11000 Volts 50 Hz or 12470/13200/13800 Volts 60 Hz generator  
 CANNOT BE USED WITH: ULLIST

34	DCT0001	DIFF CURR TRANS, 150:5 RATIO ..... 64 TECHNICAL: FLA 101-150. ANSI Relay Class: C20. REQUIRES: 3000 frame generator (MV or HV) CANNOT BE USED WITH: 2400 Volt (Delta Connection)		\$2,134
34	DCT0002	DIFF CURR TRANS, 200:5 RATIO ..... 64 TECHNICAL: FLA 151-200. ANSI Relay Class: C20. REQUIRES: 3000 frame generator (MV or HV) CANNOT BE USED WITH: 2400 Volt (Delta Connection)		\$2,134

**DCT - 9 kV Class**

REQUIRES: 6300/6600/6900 Volts 50 Hz or 60 Hz generator  
 CANNOT BE USED WITH: ULLIST

34	DCT0003	DIFF CURR TRANS 250:5 RATIO ..... 64 TECHNICAL: FLA 201-250. ANSI Relay Class: C20 REQUIRES: 3000 frame generator (MV or HV) CANNOT BE USED WITH: 2400 Volt (Delta Connection)		\$1,773
34	DCT0004	DIFF CURR TRANS, 300:5 RATIO ..... 64 TECHNICAL: FLA 251-300. ANSI Relay Class: C20 REQUIRES: 3000 frame generator (MV or HV) CANNOT BE USED WITH: 2400 Volt (Delta Connection)		\$1,937
34	DCT0005	DIFF CURR TRANS, 400:5 RATIO ..... 64 TECHNICAL: FLA 301-400. ANSI Relay Class: C50 REQUIRES: 3000 frame generator (MV or HV) CANNOT BE USED WITH: 2400 Volt (Delta Connection)		\$1,937

**DCT - 5 kV Class**

REQUIRES: 3300 Volts 50 Hz or 4160 Volts 60 Hz generator  
 CANNOT BE USED WITH: ULLIST

34	DCT0006	DIFF CURR TRANS, 500:5 RATIO ..... 64 TECHNICAL: FLA 401-500. ANSI Relay Class: C50 REQUIRES: 3000 frame generator (MV or HV) CANNOT BE USED WITH: 2400 Volt (Delta Connection)		\$1,577
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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.)**

***DCT - 5 kV Class (Cont.)***

34	DCT0007	DIFF CURR TRANS, 600:5 RATIO ..... 0 TECHNICAL: FLA 501-600. ANSI Relay Class: C50 REQUIRES: 3000 frame generator (MV or HV) CANNOT BE USED WITH: 2400 Volt (Delta Connection)		\$1,577
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**INSTRUMENTATION**

***Pyrometers***

Select one.

34	TCO0009	PYROMETER AND THERMOCOUPLES ..... 0 Installed. Provides: Engine exhaust temperature module (mounted in ECM panel), wiring groups, harnesses & cylinder thermocouples for each cylinder, individual cylinder temperatures displayed on EMCP III via SAE J1939 CAN Datalink and MODBUS/RS485. CANNOT BE USED WITH: WIRGPO6 or ULLIST.		\$12,660
34	WIRGPO6	HARNES - ECM INTERCONNECT ..... 0 ** DEFAULT OFFERING ** Provides engine harness w/o pyrometer and thermocouples. CANNOT BE USED WITH: TCO0009.		\$8,082
34	PLUG003	PLUG GP W/O TURBO SPEED SENSOR ..... 0 ** DEFAULT OFFERING ** TECHNICAL: Provides plug group when turbo speed sensor is not selected.		NC

**LUBE SYSTEM**

***Lube Oil Heater***

Recommended for use to maintain engine oil temperature after engine is shutdown. Do not recommend mounting heater to package rails. Dealer to provide mounting assembly, electrical connections, and oil lines for heater. Recommend 1 1/2" ID hose capable of at least 150 degrees F for the oil lines.

**Lube oil heaters without crankcase explosion relief valve**

34	ELEPP15	LUBE OIL HTR - 220V W/O EXRVAL ..... 225 Heater is shipped loose. TECHNICAL: 220V 50Hz 6KW single phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1		\$12,602
34	ELEPP16	LUBE OIL HTR - 208V W/O EXRVAL ..... 225 Heater is shipped loose. TECHNICAL: 208V 60Hz 6KW single phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1		\$12,602
34	ELEPP17	LUBE OIL HTR - 240V W/O EXRVAL ..... 225 Heater is shipped loose. TECHNICAL: 240V 60Hz 6KW three phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1		\$12,602

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

*Lube Oil Heater (Cont.)*

34	ELEPP18	<b>LUBE OIL HTR - 480V W/O EXRVAL</b> ..... 225 Heater is shipped loose. TECHNICAL: 480V 60Hz 6KW three phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1	225	\$12,602
34	ELEPP19	<b>OIL HTR - 240V 1 PH W/O EXRVAL</b> ..... 225 Heater is shipped loose. TECHNICAL: 240V 60Hz 6KW single phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1	225	\$12,602

**Lube oil heaters with crankcase explosion relief valve**

34	ELEPP20	<b>LUBE OIL HTR - 220V W/EXRVAL</b> ..... 230 Heater is shipped loose. TECHNICAL: 220V 50Hz 6KW single phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1	230	\$13,025
34	ELEPP21	<b>LUBE OIL HTR - 208V W/EXRVAL</b> ..... 230 Heater is shipped loose. TECHNICAL: 208V 60Hz 6KW single phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1	230	\$13,025
34	ELEPP22	<b>LUBE OIL HTR - 240V W/EXRVAL</b> ..... 230 Heater is shipped loose. TECHNICAL: 240V 60Hz 6KW three phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1	230	\$13,025
34	ELEPP23	<b>LUBE OIL HTR - 480V W/EXRVAL</b> ..... 230 Heater is shipped loose. TECHNICAL: 480V 60Hz 6KW three phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1	230	\$13,025
34	ELEPP24	<b>OIL HTR - 240V 1PH W/EXRVAL</b> ..... 230 Heater is shipped loose. TECHNICAL: 240V 60Hz 6KW single phase. ONLY FOR USE WITH: 1800 and 3000 frame generators. CANNOT BE USED WITH: ULLIST, CVR0021 and EXRVAL1	230	\$13,025

**Drain Groups**

One required.

3	LUBOD03	<b>DRAIN GP OIL PAN</b> ..... 0 ** DEFAULT OFFERING ** Package-mounted radiator. Provides oil drain with hose and valve terminated at frame. TECHNICAL: Shipped loose ONLY FOR USE WITH: Standard oil pan and package-mounted radiator.	0	\$118
4	LUBOD04	<b>DRAIN GP OIL PAN</b> ..... 0 ** DEFAULT OFFERING ** w/o package-mounted radiator. Provides oil drain with hose and valve terminated at frame. TECHNICAL: Installed ONLY FOR USE WITH: Standard oil pan and no package-mounted radiator.	0	\$112

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

**Oil Pan(s)**

One required.

34	OILPN01	<b>STANDARD SUMP OIL PAN</b> ..... 0 ** DEFAULT OFFERING ** TECHNICAL: Provides oil pan for 600-hour oil change interval. ONLY FOR USE WITH: 1800 and 3000 frame generator.		<b>\$8,461</b>
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**Lube Oil (Optional)**

34	LUBOIL1	<b>LUBRICATING OIL</b> ..... 0 ** DEFAULT OFFERING ** Provides C175 engine lube oil.		<b>\$3,151</b>
34	LUBRM06	<b>LUBE OIL REMOVAL</b> ..... 0 ONLY FOR USE WITH: Standard oil sump.		<b>NC</b>

**Electric Prelube Pumps**

One required.

34	ELEPP05	<b>ELECTRIC PRELUBE PUMP</b> ..... 90 24V DC. Installed. Intermittent duty - adds approximately 60 seconds to start time. REQUIRES: STANDBY, PRIMEPA, CONTINU, or MISCRIT. ONLY FOR USE WITH: Standard oil pan. CANNOT BE USED WITH: Air prelube pump.		<b>\$4,742</b>
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**Oil Filters**

One required.

34	SPLX02	<b>FILTER GROUP-PRIMARY OIL</b> ..... 0 ** DEFAULT OFFERING ** Three-element canister filter system. 600-hour life. 60 Hz models: left hand service. 50 Hz models: right hand service.		<b>\$12,480</b>
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**CRANKCASE SYSTEMS**

**Explosion Relief Valves**

One required if lube oil heater is not selected.

34	CVR0021	<b>NO EXPLOSION RELIEF VALVE</b> ..... 0 ** DEFAULT OFFERING ** Provides 14 covers and oil fill. Does not provide crankcase protection. CANNOT BE USED WITH: Lube Oil Heater		<b>NC</b>
34	EXRVAL1	<b>EXPLOSION RELIEF VALVE</b> ..... 0 For crankcase protection. CANNOT BE USED WITH: Lube Oil Heater		<b>\$608</b>

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

***Crankcase Ventilation System***

One required.

34	FUMDIS1	FUMES DISPOSAL . . . . . 0 ** DEFAULT OFFERING ** Provides fumes disposal. Extends beyond front of rails.		NC
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**MOUNTING SYSTEM**

***Rubber Anti-Vibration Mounts***

Default - Shipped loose.

3	VIBIS41	VIBRATION ISOLATORS - RUBBER . . . . . 0 ** DEFAULT OFFERING: 1800 frame generator with Package Mounted Radiator ** TECHNICAL: Shipped loose; rubber vibration isolators. Approximately 90% efficient. ONLY FOR USE WITH: 1800 frame generators with Package Mounted Radiator.		\$766
4	VIBIS42	3516B&B-HD HV LOW EFFICIENTCY . . . . . 0 ** DEFAULT OFFERING: 1800 frame generator without Package Mounted Radiator ** TECHNICAL: Shipped loose; rubber vibration isolators. Approximately 90% efficient. ONLY FOR USE WITH: 1800 frame generators.		\$657
3	VIBIS43	VIBRATION ISOLATORS - RUBBER . . . . . 0 ** DEFAULT OFFERING: 3000 frame generator with Package Mounted Radiator ** TECHNICAL: Shipped loose; rubber vibration isolators. Approximately 90% efficient. ONLY FOR USE WITH: 3000 frame generators.		\$876
4	VIBIS44	3516B&B-HD HV LOW EFFICIENTCY . . . . . 0 ** DEFAULT OFFERING: 3000 frame generator without Package Mounted Radiator ** TECHNICAL: Shipped loose; rubber vibration isolators. Approximately 90% efficient. ONLY FOR USE WITH: 3000 frame generators.		\$766

***No Factory Vibration Isolators***

34	NOISO01	NO ISOLATORS . . . . . 0		NC
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***Spring Type Linear Vibration Isolators***

Shipped loose.

3	VIBIS37	VIBRATION ISOLATORS-SPRINGTYPE . . . . . 0 TECHNICAL: Shipped loose; spring-type vibration isolators with 95% efficiency at a disturbing frequency of 17 Hz and above. ONLY FOR USE WITH: 1800 frame generators with Package Mounted Radiator.		\$3,813
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**MOUNTING SYSTEM (CONT.)**

*Spring Type Linear Vibration Isolators (Cont.)*

4	VIBIS38	<b>VIBRATION ISOLATORS-SPRINGTYPE</b> ..... 0 TECHNICAL: Shipped loose; spring-type vibration isolators with 95% efficiency at a disturbing frequency of 17 Hz and above. ONLY FOR USE WITH: 1800 frame generators.		\$3,267
3	VIBIS39	<b>VIBRATION ISOLATORS-SPRINGTYPE</b> ..... 0 TECHNICAL: Shipped loose; spring-type vibration isolators with 95% efficiency at a disturbing frequency of 17 Hz and above. ONLY FOR USE WITH: 3000 frame generators with Package Mounted Radiator.		\$4,357
4	VIBIS40	<b>VIBRATION ISOLATORS-SPRINGTYPE</b> ..... 0 TECHNICAL: Shipped loose; spring-type vibration isolators with 95% efficiency at a disturbing frequency of 17 Hz and above. ONLY FOR USE WITH: 3000 frame generators.		\$3,813

**IBC Vibration Isolators - Shipped loose**

NOTE: The International Building Code (IBC) is a system installation specification. Use of seismic isolators alone does not guarantee compliance to IBC seismic requirements. Please refer to the International Building Code for additional information.

3	VIBIS98	<b>VIBRATION ISOLATORS - IBC</b> ..... 0 TECHNICAL: Shipped loose; spring-type Seismic Isolators. ONLY FOR USE WITH: 1800 frame generator and package mounted radiator		\$10,654
4	VIBIS30	<b>VIBRATION ISOLATORS - IBC</b> ..... 0 TECHNICAL: Shipped loose; spring-type Seismic Isolators. REQUIRES: 1800 frame generator.		\$7,991
3	VIBIS99	<b>VIBRATION ISOLATORS - IBC</b> ..... 0 TECHNICAL: Shipped loose; spring-type Seismic Isolators. ONLY FOR USE WITH: 3000 frame generator and package mounted radiator		\$11,985
4	VIBIS32	<b>VIBRATION ISOLATORS - IBC</b> ..... 0 TECHNICAL: Shipped loose; spring-type Seismic Isolators. REQUIRES: 3000 frame generator.		\$9,322

**POWER CONNECTIONS**

*Power Connection Compatibility Rules*



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

**Low Voltage (LV - 1800 Frame Generators):**

1. Standard load take-off provisions are top entry, center post buss bars:
  - a. 60 Hz - NEMA standard hole configuration.
  - b. 50 Hz - IEC standard hole configuration
2. Selection of any left/right/rear mounted buss bar or left/right/rear breaker requires the **\*\* DEFAULT OFFERING \*\*** center post buss bar to be changed to the multi-hole center post buss bars. The multi-hole buss bars do not meet NEMA/IEC guidelines for a customer connection.
3. A maximum of one left/right/rear power connections may be selected (1 buss bar or 1 circuit breaker):
  - a. A maximum of one connection (empty enclosure, buss bar or breaker) per location (right, left, rear).
  - b. A maximum of ONE left/right/rear load take-off buss bar may be selected.
4. An empty enclosure may be selected for any location (right, left, rear) without a power connection.
5. Top cable entry on the rear, TOPCBLB, cannot be used with Rear Mounted EMCP4 Panel UIPBBHS, Customer Connection Panel CUSTCNB, Auxiliary Box AUXBOXB, or Load Share Module LSMBOXB.
6. Top cable entry on the right TOPCBLR, cannot be used with Right Mounted EMCP4 Panel UIPBRHS, Customer Connection Panel CUSTCNR, Auxiliary Box AUXBOXR, or Load Share Module LSMBOXR.
7. Top cable entry on the left, TOPCBLL, cannot be used with Left Mounted EMCP4 Panel UIPBLHS, Customer Connection Panel CUSTCNL, Auxiliary Box AUXBOXL, or Load Share Module LSMBOXL.

**MEDIUM VOLTAGE (MV):**

**1800 Frame Generators**

1. Standard load take-off provisions are right hand mounted load take-off buss bars:
  - a. 60 Hz - NEMA standard hole configuration.
  - b. 50 Hz - IEC standard hole configuration.
2. The load take-off buss bar can be moved to the left hand mount.
3. The load take-off bus cannot be moved to the rear location.

**3000 Frame Generators**

1. Right hand mounted customer connection (Terminal Box) with the Control Box mounted on the left.
  - a. See "Customer AC/DC Connection Mounting Location: 3000 Frame Generator" for left side terminal box and right hand control box option.
  - b. The load take-off bus cannot be moved to the rear location.

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

**HIGH VOLTAGE (HV):**

**3000 Frame Generators**

1. Right-hand mounted customer connection (Terminal Box) with the control box mounted on the left.
- c. See "Customer AC/DC Connection Mounting Location: 3000 Frame generator" for left side terminal box and right hand control box option.
- d. The load take-off bus cannot be moved to the rear location.

**LV Power Connection Options**

**Center Post Buss Bars (LV)**

Required: Select one.

34	BUSBCN1	5000A LV BUSBAR CONN . . . . . 0 ** DEFAULT OFFERING: 1800 FRAME 60 HZ **	\$901
34	BUSBCI1	5000A LV BUSBAR CONN . . . . . 0 ** DEFAULT OFFERING 1800 FRAME 50 HZ **	\$840
34	BUSBL51	5000A LV BUSBAR CONN . . . . . 0 Required with the selection of any LV left/right/rear breaker or LV left/right/rear buss bar.	\$972

**Side/Rear Mounted Buss Bars (LV)**

Optional - Select max of one.

**Right Hand**

34	BUSBRN1	NEMA RH MV POWER TERMINATION . . . . . 0 REQUIRES: Multi-hole center post buss bar. ONLY FOR USE WITH: CSA Certification.	\$5,112
34	BUSBRI1	RIGHT LV IEC BUS . . . . . 0 REQUIRES: Multi-hole center post buss bar. ONLY FOR USE WITH: CSA Certification.	\$5,216

**Left Hand**

34	BUSBLN1	NEMA LH MV POWER TERMINATION . . . . . 0 REQUIRES: Multi-hole center post buss bar. ONLY FOR USE WITH: CSA Certification.	\$4,693
34	BUSBLI1	LEFT LV IEC BUS . . . . . 0 REQUIRES: Multi-hole center post buss bar. ONLY FOR USE WITH: CSA Certification.	\$4,798

**Rear Mount**

34	BUSBBN1	RR 5000A BUSBAR POWER CON-NEMA . . . . . 0 REQUIRES: Multi-hole center post buss bar. ONLY FOR USE WITH: CSA Certification.	\$4,716
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**POWER CONNECTIONS (CONT.)**

**Side/Rear Mounted Buss Bars (LV) (Cont.)**

34	BUSBB11	REAR LV IEC BUS . . . . . 0 REQUIRES: Multi-hole center post buss bar. ONLY FOR USE WITH: CSA Certification.		\$4,374
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**Harnesses (Breaker)**

(Automatic Selection based on Breaker & EMCP4 version)

34	WIREM42	EMCP4.2 BREAKER WIRING . . . . . 0 REQUIRES: Masterpact breakers & EMCP 4.2 ONLY FOR USE WITH: 1800 Frame generators		\$159
34	WIREM43	EMCP4.3 BREAKER WIRING . . . . . 0 REQUIRES: Masterpact breakers & EMCP 4.3 ONLY FOR USE WITH: 1800 Frame generators		\$37
34	WIREM44	EMCP4.4 BREAKER WIRING . . . . . 0 REQUIRES: Masterpact breakers & EMCP 4.4 ONLY FOR USE WITH: 1800 Frame generators		\$712

**Cable Entry Options (LV)**

Select one for each side power connection buss bar or breaker that is selected.

**Right Side**

34	BOTCBLR	BOTTOM CABLE ENTRY-RH . . . . . 0 Right side bottom cable entry w/o shroud. ONLY FOR USE WITH: Right side power connections.		\$160
34	SHROUDR	BOTTOM RIGHT SHROUD . . . . . 0 Right side bottom cable entry with shroud. ONLY FOR USE WITH: Right side power connections.		\$904
34	TOPCBLR	TOP CABLE ENTRY-RIGHT SIDE . . . . . 0 Right side top cable entry w/o shroud. ONLY FOR USE WITH: Right side power connections.		\$160

**Left Side**

34	BOTCBLL	BOTTOM CABLE ENTRY-LH . . . . . 0 Left side bottom cable entry w/o shroud. ONLY FOR USE WITH: Left side power connections.		\$160
34	SHROUDL	BOTTOM LEFT SHROUD . . . . . 0 Left side bottom cable entry with shroud. ONLY FOR USE WITH: Left side power connections.		\$904
34	TOPCBLL	TOP CABLE ENTRY-LEFT SIDE . . . . . 0 Left side top cable entry w/o shroud. ONLY FOR USE WITH: Left side power connections.		\$160

**Rear Side**

34	BOTCBLB	BOTTOM CABLE ENTRY-REAR . . . . . 0 Rear/back bottom cable entry w/o shroud. ONLY FOR USE WITH: Rear/back power connections.		\$260
34	SHROUDB	BOTTOM REAR SHROUD . . . . . 0 Rear/back bottom cable entry with shroud. ONLY FOR USE WITH: Rear/back power connections.		\$588

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

**Cable Entry Options (LV) (Cont.)**

34	TOPCBLB	TOP CABLE ENTRY-LEFT . . . . . 0 Rear/back top cable entry w/o shroud. ONLY FOR USE WITH: Rear/back power connections.		\$260
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**Enclosures - Controls Packaging (LV)**

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

**Right Side**

34	EMPTYPR	RIGHT SIDE EXTENSION BOX . . . . . 0 Right side empty enclosure. CANNOT BE USED WITH: Right side buss bar, right side breaker or right side empty enclosure w/shroud.		\$1,214
34	EMPTYSR	EMPTY ENCLOSURE-RH W/SHROUD . . . . . 0 Right side empty enclosure w/bottom shroud. CANNOT BE USED WITH: Right side buss bar, right side breaker or right side empty enclosure.		\$1,954
34	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

**Left Side**

34	EMPTYPL	LEFT SIDE EXTENSION BOX . . . . . 0 Left side empty enclosure. CANNOT BE USED WITH: Left side buss bar, left side breaker or left side empty enclosure w/shroud.		\$1,214
34	EMPTYSL	EMPTY ENCLOSURE-LH W/SHROUD . . . . . 0 Left side empty enclosure w/bottom shroud. CANNOT BE USED WITH: Left side buss bar, right side breaker or left side empty enclosure.		\$1,917
34	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.		NC

**Rear Location**

34	EMPTYPB	REAR EXTENSION BOX . . . . . 0 Rear/back empty enclosure. CANNOT BE USED WITH: Rear/back buss bar, rear/back breaker or rear/back empty enclosure w/shroud.		\$2,345
34	EMPTYSB	EMPTY ENCLOSURE-REAR W/SHROUD . . . . . 0 Rear/Back empty enclosure w/bottom shroud. CANNOT BE USED WITH: Rear/back buss bar, rear/back breaker or rear/back empty enclosure.		\$2,786

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

**Enclosures - Controls Packaging (LV) (Cont.)**

34	NOENCPB	NO ENCLOSURE-REAR. . . . . 0 ** DEFAULT OFFERING ** Rear/back no enclosure. 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 or rear/back enclosure w/shroud.		NC
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**Power Connection Covers (LV)**

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

34	CVR0010	COVER GROUP-SIDE-QTY 2 . . . . . 0 ** DEFAULT OFFERING 1800 Frame ** Provides two side covers. CANNOT BE USED WITH: RH or LH breaker.		\$424
34	CVR0011	COVER GROUP-SIDE-QTY 1 . . . . . 0 Provides 1 side cover. ONLY FOR USE WITH: One RH or one LH breaker.		\$212
34	CVR0012	COVER GP-SIDE-QTY 0 . . . . . 0 No side cover. ONLY FOR USE WITH: RH and LH breaker.		NC
34	CVR0013	COVER GP-REAR-QTY 1 . . . . . 0 ** DEFAULT OFFERING 1800 Frame ** Provides 1 rear cover. CANNOT BE USED WITH: Rear breaker.		\$289
34	CVR0014	COVER GP REAR-QTY 0 . . . . . 0 No rear cover. ONLY FOR USE WITH: Rear breaker.		NC

**NEUTRAL GROUND - LV**

34	NGRDC01	NEUTRAL GROUND-LV . . . . . 0 Required when either ULLIST or CSA0001. TECHNICAL: Provides a neutral grounding connection for LV 1800 frame generators.		\$173
34	NGRDCN3	NEUTRAL GROUND-LV . . . . . 0 Required when either ULLIST or CSA0001. TECHNICAL: Provides a neutral grounding connection for LV 1800 frame generators. REQUIRES: EMCP4.3 or EMCP 4.4 & Low Voltage Packages & Left Rear Breaker		\$137

**Optional Package Mounted Circuit Breakers (LV)**

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

### **CIRCUIT BREAKERS - 1800 Frame Generators**

Provides left side mounted, 2500A, UL-100% rated, Masterpact, fixed mounted, molded case circuit breaker with auxiliary contacts, shunt trip and load take-off bus. Breakers are electrically operated unless otherwise stated.

#### **Trip Units**

- LSI** Long-Time, Short-Time, Instantaneous  
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**

- 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
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M	MasterPact - Fixed Mount
2nd Digit	Operation
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M	Manually operated
E	Electrically operated
3rd Digit	Trip Unit
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S	LSI
G	LSIG
P	LSIG-P

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

**CIRCUIT BREAKERS - 1800 Frame Generators (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/IEC)

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
J	5000	5000

6th Digit	Quantity
1	ONE

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

Example: Feature code = MES1J2B

- 1st digit: M = Masterpact.
- 2nd digit: E = Breaker is electrically operated.
- 3rd digit: S = Breaker includes an LSI trip unit.
- 4th digit: 1 = Breaker is 100% rated, 3=pole (UL/CSA/IEC)
- 5th digit: J = Breaker is rated for 5000 amps.
- 6th digit: 2 = EMCP4.2 and 4.3 Breakers
- 3 = EMCP4.4 Breakers
- 7th digit: B = Breaker is rear mounted on the package genset.

**MASTERPACT BREAKERS**

**4000 Amp, 3 Pole, UL-100% Rated Circuit Breakers**

Provides rear mounted, 4000A, UL-100% rated, Masterpact Model, fixed mounted, insulated case circuit breaker, electrically operated; with auxiliary contacts, shunt trip and load take-off bus.

<b>34</b>	<b>MES1I2B</b>	<b>REAR AND FIXED MOUNTED</b> . . . . . 0	<b>\$22,236</b>
		TECHNICAL: Adds LSI and Modbus	

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

**4000 Amp, 3 Pole, UL-100% Rated Circuit Breakers (Cont.)**

34	MEA1I2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI-P and Modbus.	0	\$25,571
34	MEG1I2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI.	0	\$23,348
34	MEP1I2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI-P and Modbus.	0	\$26,683

**4000 Amp, 3 Pole, IEC-Rated Circuit Breakers**

Provides rear mounted, 4000A, IEC-rated, Masterpact Model, fixed mounted, insulated case circuit breaker, electrically operated; with auxiliary contacts, shunt trip and load take-off bus.

34	MES3I2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI.	0	\$21,124
34	MEG3I2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI.	0	\$22,181
34	MEP3I2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI-P and Modbus.	0	\$25,349

**5000 Amp, 3 Pole, UL-100% Rated Circuit Breakers**

Provides rear mounted, 5000A, UL-100% rated, Masterpact Model, fixed mounted, insulated case circuit breaker, electrically operated; with auxiliary contacts, shunt trip and load take-off bus.

34	MES1J2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI.	0	\$26,469
34	MEA1J6B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI-P and Modbus	0	\$30,440
34	MEG1J2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI.	0	\$27,793
34	MEP1J2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI-P and Modbus.	0	\$31,763

**5000 Amp, 3 Pole, IEC-Rated Circuit Breakers**

Provides rear mounted, 5000A, IEC-rated, Masterpact Model, fixed mounted, insulated case circuit breaker, electrically operated; with auxiliary contacts, shunt trip and load take-off bus.

34	MES3J2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI.	0	\$25,146
34	MEG3J2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI.	0	\$26,403
34	MEP3J2B	REAR AND FIXED MOUNTED . . . . . TECHNICAL: Adds LSI-P and Modbus.	0	\$30,175

**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.)



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

**4000 Amp**

34	MES1I3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, UL, ICCB, LSI, AUX, ST, EO. REQUIRES: EMCP 4.4		\$22,236
34	MEA1I7B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, UL, ICCB, LSI-P, AUX, ST, EO, MODBUS REQUIRES: EMCP4.4		\$29,408
34	MEG1I3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, UL, ICCB, LSIG, AUX, ST, EO. REQUIRES: EMCP 4.4		\$23,348
34	MEP1I3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, UL, ICCB, LSIG-P, AUX, ST, EO, Modbus. REQUIRES: EMCP 4.4		\$26,683
34	MES3I3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, IEC, ICCB, LSI, AUX, ST, EO. REQUIRES: EMCP 4.4		\$21,124
34	MEG3I3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, IEC, ICCB, LSIG, AUX, ST, EO. REQUIRES: EMCP 4.4		\$22,181
34	MEP3I3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, IEC, ICCB, LSIG-P, AUX, ST, EO, Modbus. REQUIRES: EMCP 4.4		\$25,349

**5000 Amp**

34	MES1J3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, UL, ICCB, LSI, AUX, ST, EO. REQUIRES: EMCP 4.4		\$26,469
34	MEA1J7B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, UL, ICCB, LSI-P, AUX, ST, EO, MODBUS REQUIRES: EMCP4.4		\$35,005
34	MEG1J3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, UL, ICCB, LSIG, AUX, ST, EO. REQUIRES: EMCP 4.4		\$27,793
34	MEP1J3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, UL, ICCB, LSIG-P, AUX, ST, EO, Modbus. REQUIRES: EMCP 4.4		\$31,763
34	MES3J3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, IEC, ICCB, LSI, AUX, ST, EO. REQUIRES: EMCP 4.4		\$25,146
34	MEG3J3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, IEC, ICCB, LSIG, AUX, ST, EO. REQUIRES: EMCP 4.4		\$26,403
34	MEP3J3B	REAR AND FIXED MOUNTED ..... 0 TECHNICAL: 3P, IEC, ICCB, LSIG-P, AUX, ST, EO, Modbus. REQUIRES: EMCP 4.4		\$30,175

**MV Power Connection Options**

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

**1800 Frame Generator Side/Rear Mounted Buss Bars**

Required - Select one.

**Right Hand**

34	BUSBRN6	RH BUSS BAR POWER CONN-NEMA . . . . . 0 ** DEFAULT OFFERING 1800 FRAME 60 HZ ** Right Side 1000A MV Buss Bar Power Connections (NEMA) CANNOT BE USED WITH: Left side mount buss bars. 3000 frame generators.		\$3,459
34	BUSBRI6	RH BUSS BAR POWER CONN-IEC . . . . . 0 ** DEFAULT OFFERING 1800 FRAME 50 HZ ** Right side 1000A MV buss bar power connections (IEC). CANNOT BE USED WITH: Left side mount buss bars. 3000 frame generators.		\$3,177

**Left Hand**

34	BUSBLN6	LH BUSS BAR POWER CONN-NEMA . . . . . 0 Left side 1000A MV buss bar power connections (NEMA). CANNOT BE USED WITH: Right side mount buss bars. 3000 Frame Generators.		\$3,459
34	BUSBLI6	LH BUSS BAR POWER CONN-IEC . . . . . 0 Left side post 1000A MV buss bar power connections (IEC). Required: Select one. CANNOT BE USED WITH: Right side mount buss bars. 3000 frame generators.		\$3,177

**Cable Entry Options - 1800 Frame MV**

Required: Select one.

**Right and Left Side (select one)**

34	BOTCR01	BOTTOM CABLE ENTRY W/O SHROUD . . . . . 0 Bottom cable entry w/o shroud. ** DEFAULT OFFERING MV 1800 FRAME **		NC
34	SHRDR01	BOTTOM CABLE ENTRY WITH SHROUD . . . . . 0 Bottom cable entry with shroud.		\$721
34	TOPCR01	TOP CABLE ENTRY-RIGHT . . . . . 0 Top cable entry w/o shroud.		NC
34	CVR0015	COVER GROUP . . . . . 0 ** DEFAULT OFFERING MV 1800 FRAME ** Required w/BOTCRO1 or TOPCR01. ONLY FOR USE WITH: Bottom cable entry w/shroud.		\$166

**NEUTRAL GROUND - MV**

34	NGRDCNN	NEUTRAL GROUND-LV . . . . . 0 TECHNICAL: Provides a neutral grounding connection for MV 1800 frame generators.		\$269
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**LOW VOLT POWER CONNECTION CABLES**

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

**LV Power Connection Cable**

Selection required for left/right/rear-mounted circuit breakers.

The power cables are required for each left, right and/or rear power connection (circuit breaker or optional right/rear buss bars) on a LV package. No cables are required for the DEFAULT center post buss bars.

**MASTERPACT BREAKER CONNECTIONS**

**REAR MOUNTED**

34	PCB0150	<b>MASTERPACT BOTTOM CABLE</b> . . . . . 0 BOTTOM CABLE ENTRY ONLY FOR USE WITH: 1800 Frame generators		\$2,095
34	PCB0151	<b>MASTERPACT TOP CABLE</b> . . . . . 0 TOP CABLE ENTRY ONLY FOR USE WITH: 1800 Frame generators		\$2,095
34	PCB0080	<b>MASTERPACT, 4 POLE, BTM ENTRY</b> . . . . . 0 ONLY FOR USE WITH: 1800 Frame generators		\$1,938
34	PCB0081	<b>MASTERPACT, 4 POLE, TOP ENTRY</b> . . . . . 0 ONLY FOR USE WITH: 1800 Frame generators		\$1,938
34	PCB0084	<b>MASTERPACT, 3 POLE, 4000A, IEC</b> . . . . . 0 BOTTOM CABLE ENTRY ONLY FOR USE WITH: 1800 Frame generators		\$2,497
34	PCB0085	<b>MASTERPACT, 3 POLE, 4000A, IEC</b> . . . . . 0 TOP CABLE ENTRY FOR USE WITH: 1800 Frame generators		\$2,497
34	PCB0082	<b>3 POLE, 4000A OR 5000A, UL,BTM</b> . . . . . 0 MASTERPACT, 3 POLE, 4000A OR 5000A, UL, BOTTOM CABLE ENTRY ONLY FOR USE WITH: 1800 Frame generators		\$2,497
34	PCB0083	<b>3 POLE, 4000A OR 5000A, UL, TOP</b> . . . . . 0 MASTERPACT, 3 POLE, 4000A OR 5000A, UL, TOP CABLE ENTRY ONLY FOR USE WITH: 1800 Frame generators		\$2,497

**SPECIAL TESTS/REPORTS**

**Special Tests/Reports**

34	TRSGEN1	<b>GENERATOR TEST REPORT</b> . . . . . 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.  NOTE: Generators may be tested to a Frequency or Voltage that is higher than advertised on the price list. A passed test at 60Hz indicates the product will meet and exceed the requirements of a 50Hz rating. A passed test at a higher voltage indicates the product will meet and exceed the requirements of the lower voltage rating.		\$324 NET
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
<b>SPECIAL TESTS/REPORTS (CONT.)</b>				
<i>Special Tests/Reports (Cont.)</i>				
34	TRSGEN2	<b>PGS TEST REPORT @ 1.0 PF</b> . . . . . 0 Test will be performed in accordance with OP1910 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 corrected power--all at unity power factor. Engine rpm, average voltage and line-to-line voltages for all three phases are reported at no load.		<b>\$324 NET</b>
34	TRSGEN7	<b>PGS TEST REPORT @ 0.8 PF</b> . . . . . 0 Test will be performed in accordance with OP1793 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 corrected 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.		<b>\$324 NET</b>
34	TVATRS1	<b>STANDARD GENSET TVA REPORT</b> . . . . . 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.		<b>\$382 NET</b>

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

*Special Tests/Reports (Cont.)*

34	TVATRS2	<b>CUSTOM GENSET TVA REPORT</b> . . . . . 0		<b>\$1,047 NET</b>
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NOTE: Consult factory on compound and tandem installations. There may be additional charges for analysis of applications where more than one engine drives a single load. A separate torsional analysis is required for each engine with different driven equipment in multiple engine installations.

One complete set of technical data (see below) must be submitted to Caterpillar before calculations are undertaken. The report will include a mathematical determination of the natural frequency, critical speeds, relative amplitudes of angular displacement, approximate nodal locations of the complete elastic system (both engine and driven equipment).

NOTE: IF ALL TECHNICAL DATA REQUIRED IS NOT RECEIVED, ANALYSIS MAY BE DELAYED UNTIL THE MISSING INFORMATION IS PROVIDED. TECHNICAL DATA REQUIRED.

1. The operating speed range.
2. Load demand curve on sets which have a load dependent variable rigidity coupling.
3. General arrangement drawing or sketch of complete system, including data on special crankshaft pulleys and equipment driven from front of engine.
4. With driven equipment on both ends of the engine, the horsepower demand of each end is required. In addition, simultaneous front and rear horsepower (maximum engine load) is required.
5. Make, model, WR2 and torsional rigidity on all couplings used between the engine and driven equipment.
6. WR2 of each rotating mass. Weight of each reciprocating mass. (Needed for all pumps, compressors, gears, pinions, propellers.)
7. Torsional rigidity and minimum shaft diameter or detailed dimensions of all shafting in the driven system whether separately mounted or installed in a housing.

ADDITIONALLY, if an order has not been placed, the following information must also be submitted:

1. Damper part number (not top level or pricing arrgt.)
2. Flywheel part number (not top level or pricing arrgt.)
3. Horsepower
4. Operating speed
5. Coupling part number; or indicate one or two-bearing.

34	TSP0001	<b>FUEL CONSUMPTION TEST</b> . . . . . 0		<b>\$1,039 NET</b>
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Fuel rate and specific fuel consumption determined at 3 points at rated speed (full load, three quarters load, and half load.) This OP1511 Test must be requested prior to factory build. This is a fuel consumption test and, as such, is not a substitute for and does not provide the kind of performance information provided by TRSENG1.

NOTE: Test is run as basic engine before generator is attached. Order can include a generator but generator is not part of unit when engine is tested. See TSP0002.

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
<b>SPECIAL TESTS/REPORTS (CONT.)</b>				
<i>Special Tests/Reports (Cont.)</i>				
34	TSP0002	<b>GENSET FUEL CONSUMPTION TEST</b> . . . . . 0 Test will be performed in accordance with OP1513 electrical output (kW) average current and average voltage readings, frequency, fuel rate and specific fuel consumption, which are determined at 3 points at rated speed (full load, three quarters load and half load.) Test must be requested prior to factory build. REQUIRES: Generator.		<b>\$1,039 NET</b>
34	TRSENG1	<b>STD ENGINE TEST CHARGE</b> . . . . . 0 Test will be performed in accordance with 3L0436 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 or fueling setting (when applicable), full load power, turbocharger boost (if applicable), fuel rate at full load, lube oil pressure, RPM at rated speed and high idle.		<b>\$324 NET</b>
<b>Seismic Certifications</b>				
34	IBCCERT	<b>IBC CERTIFICATION</b> . . . . . 0 Provides IBC certification labeling, per IBC2012, for open generator sets. Certifications are valid with at or above grade installations. Specific Sds levels can be obtained from Application Support. REQUIRES: VIBIS30 or VIBIS32 or VIBIS98 or VIBIS99 CANNOT BE USED WITH: RAD0008 or IBCOSH1.		<b>\$3,964 NET</b>
34	IBCOSH1	<b>OSHPD CERTIFICATION</b> . . . . . 0 Provides OSHPD pre-approval labeling, per IBC2012/CBC2013, for open generator sets. Certifications are valid with at or above grade installations. Specific Sds levels can be obtained from Application Support. REQUIRES: VIBIS30 or VIBIS32 or VIBIS98 or VIBIS99 and 60 Hz Packages. CANNOT BE USED WITH: 50 Hz packages or RAD0008.		<b>\$6,177 NET</b>
<b>SPECIAL PACKING/INSPECTIONS FOR SHIPMENT</b>				
<i>Domestic Packing For Export</i>				
34	DPX0001	<b>DOMESTIC PACK-EXPORT CONTAINER</b> . . . . . 0 INCLUDES wood-skid and port markings ONLY FOR USE WITH: Gensets not boxed.  NOTE: CONTAINER SHIPMENTS - Charge per container added to inland freight. 40 ft. open top container -- \$675. 40 ft. enclosed container -- \$540. 20 ft. open top container -- \$450. 20 ft. enclosed container -- \$360.		<b>NC</b>
34	DPX0002	<b>DOMESTIC PACK FOR EXPORT</b> . . . . . 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/gensets or miscellaneous parts and attachments (all models on rails or requiring skids).		<b>NC</b>

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

**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.

34	SWP0001	SHRINK WRAP PROTECTION . . . . . 0 ONLY FOR USE WITH: Non-oceanic shipping.		\$315 NET
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**Shipment Protection - Tarpaulin Over 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 for an extended period of time. Includes factory supplied tarpaulin cover to protect package.

34	SWPT002	SHRINK WRAP + TARP-GENSET PKG. . . . . 0		\$1,634 NET
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**Export Boxing**

34	EXB0010	BOX FOR EXPORT . . . . . 0		\$1,695 NET
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34	EXP0003	PACK FOR AIR FREIGHT . . . . . 0 Provides labels and documents for air freight. ONLY FOR USE WITH: Engines/gensets or miscellaneous parts and attachments--all models.		NC
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**Storage Preservation**

34	SRP0014	PRESERVATION - CORROSION INHIB . . . . . 0 Provides vapor corrosion inhibitor in all internal engine compartments. Protects engine and engine accessories from functional deterioration for a minimum of one year under inside storage conditions. Does NOT provide cooling system protection.		\$1,369 NET
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NOTE: If the engine is tested or operated by the dealer, or a third party packager, prior to commissioning the engine preservation package must be reapplied to be affective. Failure to reapply the vapor corrosion inhibitor may lead to functional deterioration of the engine and engine accessories.

**Inspection Charges**

Caterpillar miscellaneous handling charges for customer-requested inspection by a private agency for inspection of engines, generators transmissions and miscellaneous material. Includes visual inspection before boxing. No special test involved. Import license number must be supplied to factory prior to inspection.  
NOTE: Available only for gen sets manufactured in Griffin.

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

*Inspection Charges (Cont.)*

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

**Power Distribution Box - 24 Volt**

Required - Select one.

34	HCPD003	24V POWER DISTRIBUTION BOX ..... 0 ** DEFAULT OFFERING **		\$4,434
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**Electric Starting Motors - 24 Volt**

Required - Select one.

34	ELSM240	ELECTRIC STARTING MOTOR 24 V ..... 0 ** DEFAULT OFFERING **		\$2,450
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TECHNICAL: Dual 50MT 24V DC starters. LH.  
For use in -30 to 20C (-22 to 68F) ambient.  
Starting aids recommended for below 0 C (32F).

34	ELSM241	ELECTRIC STARTING MOTOR 24 V ..... 0		\$5,538
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TECHNICAL: Provides redundant sets (LH and RH) of dual 50MT 24V DC starters (quad start). For use in -30 to 20C (-22 to 68F) ambient. Starting aids recommended for below 0 C (32F). Requires two sets of batteries, battery racks and battery cables.  
CANNOT BE USED WITH: Barring devices.

**Air Starting Motor**

Cannot be used in conjunction with electric starting motor.

34	ASMRH14	AIR STARTING MOTOR-TURBINE-RH ..... 0		\$5,059
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TECHNICAL: Minimum air pressure 60 psi. Maximum air pressure 100 psi at starter inlet. Minimum ambient start temperature, without starting aids, is 0 C (32F). RH  
REQUIRES: Air Pressure Regulator if maximum air pressure at starter inlet is above 100 psi.  
CANNOT BE USED WITH: Electric starting motor.

**Air Pressure Regulator**

Provides a regulator for air starting system with operating pressures above the starters maximum operating limits.

34	APREG02	AIR PRESSURE REGULATOR. .... 0		\$1,367
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Shipped Loose.  
TECHNICAL: Maximum system pressure is 31 bar (450 psi). It is required to install #300 mesh screen prior to this regulator.  
ONLY FOR USE WITH: Air starting motor.



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

**Covers - Starter Locations**

Required - Select one.

34	NCVR001	<b>COVER GP - STARTER LOCATION</b> ..... 0 Provides No cover group. ONLY FOR USE WITH: Redundant Electric Start (ELSM241). CANNOT BE USED WITH: Dual Electric Start (ELSM240).		NC
34	CVR0022	<b>COVER GP - STARTER LOCATION</b> ..... 0 Provides 1 x cover group. REQUIRES: Electric Start (ELSM240) and barring device (BARGP01). CANNOT BE USED WITH: Redundant Electric Start (ELSM241).		\$27
34	CVR0055	<b>COVER GP - STARTER LOCATION</b> ..... 0 Provides 1 x cover group. REQUIRES: Electric Start (ELSM240) and barring device (BARGP03) or Electric Start (ELSM240) and barring device (BARGP02). CANNOT BE USED WITH: Redundant Electric Start (ELSM241).		\$26
34	CVR0023	<b>COVER GP - STARTER LOCATION</b> ..... 0 ** DEFAULT OFFERING ** Provides 2 x cover groups. REQUIRES: Electric Start (ELSM240) and no barring device. CANNOT BE USED WITH: Redundant Electric Start (ELSM241).		\$51
34	CVR0056	<b>COVER GP - STARTER LOCATION</b> ..... 0 Provides 2 x cover groups. REQUIRES: Air Start and barring device BARGP01. CANNOT BE USED WITH: Redundant Electric Start (ELSM241).		NC
34	CVR0057	<b>COVER GP - STARTER LOCATION</b> ..... 0 Provides 2 x cover groups. REQUIRES: Air Start and barring device BARGP03 or Air Start and barring device BARGP09. CANNOT BE USED WITH: Redundant Electric Start (ELSM241).		NC
34	CVR0024	<b>COVER GP - STARTER LOCATION</b> ..... 0 Provides 3 x cover groups ONLY FOR USE WITH: Air Start and no barring device.		\$73

**Battery Sets - 24 Volt - Dry**

Required - Select one.

Shipped loose. Low maintenance, high output.

34	BAT1213	<b>24 VOLT BATTERY SET-DRY (6)</b> ..... 0 4200 CCA rating, 570 ampere hours. Includes 6 - 12V batteries; includes racks and cables. TECHNICAL: -30C to 0C (-22F to 32F). Starting aids recommended below 0 C (32 F). Jacket water heater recommended for 10-second starting below 20C (68F). ONLY FOR USE WITH: Electric start motor-LH. CANNOT BE USED WITH: Redundant starters.		\$4,931
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**STARTING/CHARGING SYSTEM (CONT.)**

**Battery Sets - 24 Volt - Dry (Cont.)**

34	BAT1214	<b>24 VOLT BATTERY SET-DRY (4)</b> ..... 0 2800 CCA rating, 380 ampere hours. Includes 4 - 12V batteries; includes racks and cables. TECHNICAL: 0C to 20C (32F to 68F). Starting aids recommended below 0 C (32 F). Jacket water heater recommended for 10-second starting below 20C (68F). ONLY FOR USE WITH: Electric start motor - LH. CANNOT BE USED WITH: Redundant starters.		\$3,390
34	BAT1207	<b>HEAVY DUTY BATTERY SET W/RACK</b> ..... 0 Provides two(2) sets of the following for use with redundant starters: 4200 CCA rating, 570 ampere hours. 6 - 12V batteries. Racks and Cables. TECHNICAL: -30C to 0C (-22F to 32F). Starting aids recommended below 0 C (32 F). Jacket water heater recommended for 10-second starting below 20C (68F). ONLY FOR USE WITH: Redundant starters. CANNOT BE USED WITH: Elec. start motor - LH.		\$9,859
34	NOBAT01	<b>NO BATTERIES RACK OR CABLE</b> ..... 0 TECHNICAL: This option does not provided any batteries, battery racks or battery cables. CANNOT BE USED WITH: BAT1213, BAT1214 or BAT1207.		NC

**Battery Chargers**

Shipped loose.  
 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.  
 May select only one (1) battery charger feature code, but may select up to a qty of two (2) of the feature code that is selected.

34	BTC20A2	<b>BATTERY CHARGER 20 AMP</b> ..... 0 Shipped loose. 4-rate charger with automatic switching from equalize to float. Includes high voltage, low voltage and AC failure alarm outputs. DC Ammeter and Voltmeter, NEMA 1 enclosure. TECHNICAL: For 110-120/208-240 VAC 50/60Hz Input. Regulated. Meets alarm requirements of NFPA 99 and NFPA 110. C-UL listed, CE marked, CSA compliant, IBC seismic certified.		\$1,486
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**STARTING/CHARGING SYSTEM (CONT.)**

**Battery Chargers (Cont.)**

34	BTC3500	<b>BATTERY CHARGER 35 AMP</b> ..... 130 Shipped loose. Dual microprocessor controlled stationary AC-DC power supply/battery charger with built-in battery health assessment system and remote battery temperature sensor. Includes high voltage, low voltage and AC failure alarm outputs. DC Amps and Volts LCD, NEMA 1 enclosure. TECHNICAL: For 115-120/208/230-240 VAC 50/60Hz Input. Meets alarm requirements of NFPA 99 and NFPA 110. C-UL listed, marked, IBC seismic certified.		\$5,256
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NOTE: Meets NFPA 110 Level 1 (24 hour) Recharge Time Requirement when used with BAT1214 four (4) battery set.

34	BTC5000	<b>BATT CHARGER 50A NFPA</b> ..... 135 Shipped loose. Dual microprocessor controlled stationary AC-DC power supply/battery charger with built-in battery health assessment system and remote battery temperature sensor. Includes high voltage, low voltage and AC failure alarm outputs. DC Amps and Volts LCD, NEMA 1 enclosure. TECHNICAL: For 115-120/208/230-240 VAC 50/60Hz Input. Meets alarm requirements of NFPA 99 and NFPA 110. C-UL listed, CE marked, IBC seismic certified.		\$5,695
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NOTE: Meets NFPA 110 Level 1 (24 hour) Recharge Time Requirement when used with BAT1213 six (6) battery set.

**Charging Alternators Dry**

Required - Select one.

34	ALT2450	<b>CHARGING ALTERNATOR 24V 75 AMP</b> ..... 0 Installed. 24V DC, 75 amp.		\$3,057
34	CVR0026	<b>COVER GP-NO CHARGING ALTERNATR</b> ..... 0 ** DEFAULT OFFERING ** Cover group when no charging alternator is selected.		\$108

NOTE: ALT2450.

**Jacket Water Heaters**

Required - Select one

34	CVR0025	<b>COVER GP-NO JW HEATER</b> ..... 0 ** DEFAULT OFFERING ** Cover group when no jacket water heater is selected. CANNOT BE USED WITH: Jacket water heaters.		\$60
34	JWH0119	<b>JW HEATER - SINGLE W/PUMP</b> ..... 0 TECHNICAL: 480V, 3 Phase, 60Hz, 9kW REQUIRES: 60 Hz Package		\$3,060

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

***Jacket Water Heaters (Cont.)***

34	JWH0121	<b>JW HEATER - SINGLE W/PUMP</b> ..... 0 TECHNICAL: 240V, Single Phase, 60Hz, 9kW REQUIRES: 60 Hz Package	0	\$2,414
34	JWH0122	<b>** DESCRIPTION NOT ON PRDB **</b> ..... 0 TECHNICAL: 220V, Single Phase, 50Hz, 9kW REQUIRES: 50 Hz Package	0	\$2,414
34	JWH0123	<b>JW HEATER - SINGLE W/PUMP</b> ..... 0	0	\$2,414

***Jacket Water Heater Wiring Groups***

Automatically selected with 1800 frame generators and Jacket Water Heater. Customer supplied for 3000 frame generators.

34	JWHWG05	<b>WIRING GP-JW HEATER</b> ..... 0 REQUIRES: EMCP 4.2 & 1800 FRAME GENERATORS & 480V JW HEATER	0	\$279
34	JWHWG06	<b>WIRING GP-JW HEATER</b> ..... 0 REQUIRES: EMCP 4.2 & 1800 FRAME GENERATORS & 208V, 220V, OR 240V JW HEATER	0	\$279
34	JWHWG07	<b>WIRING GP-JW HEATER</b> ..... 0 REQUIRES: EMCP 4.3 OR 4.4 & 184X OR 186X FRAME GENERATORS & 480V JW HEATER	0	\$329
34	JWHWG08	<b>WIRING GP-JW HEATER</b> ..... 0 REQUIRES: EMCP 4.3 OR 4.4 & 184X OR 186X FRAME GENERATORS & 208V, 220V OR 240V JW HEATER	0	\$329