

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 CSQ QUOTING TOOL.

List Price at Factory

AVAILABILITY

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

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 Supersedes 17FEB2010 Subject to change without notice Effective Caterpillar: Confidential Green Printed in U.S.A. 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.

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TECHNICAL PERFORMANCE DATA (CONT.)

(<https://engines.cat.com>). CWS logon id is needed to access Power Net.

RATINGS GUIDE

The EPG Ratings Guide may be ordered through Media Logistics by calling +1 (800) 566-7782 or +1 (309) 266-0942. The current EPG Ratings Guide media number for Cat Generator Sets is LEXE7582 or LEXE7581 for Olympian Generator Sets.

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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
Wall mounted 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: 5" Cat Flange.

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COOLING SYSTEM (CONT.)

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). 50Hz
Dual ANSI 18" / DIN 450 Flanges. Shipped Loose. Support required
from installation. 60Hz

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-line)
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.
3000 Frame Generators (MV/HV)
Form Wound
Permanent Magnet
Anti Condensation Space Heater
NEMA Class H insulation, Class H 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.

MOUNTING SYSTEM

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

SCAC WITH PACKAGE MOUNTED RAD (3)
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STARTING/CHARGING SYSTEM

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

GENERAL

PAINT
Caterpillar Yellow with high gloss black rails.
Right Hand Service
SAE standard rotation.

SCAC WITH PACKAGE MOUNTED RAD (3)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
At Factory

50 Hz, 1500 RPM, LOW BSFC PACKAGES

50 Hz, 1500 RPM, 3300V, 3 PHASE

| SCAC WITH PACKAGE MOUNTED RAD (3) LAFAYETTE, INDIANA | | Ship Weight lbs | List Price At Factory |
|---|--|--------------------|--------------------------|
| 3 | 175DE2S C175-20 50 HZ PGS. 0 Standby = 3900 kVA, Prime = 3500 kVA, Continuous = 3150 kVA. With fan rating: With Package Mounted Radiator. Ambient capability 43 C at standby rating. Radiator =466-3018. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3034, Frame = 3055/2. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | | \$1,124,276 |
| 3 | 175DR2S REF 175DE2S, LF3864, LF0608. 0 | | \$602,995 |

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 | 175DE2U C175-20 50 HZ PGS. 0 Standby = 3900 kVA, Prime = 3500 kVA, Continuous = 3150 kVA. With fan rating: With Package Mounted Radiator. Ambient capability 43 C at standby rating. Radiator =466-3018. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3052, Frame = 3055/2. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | | \$1,221,842 |
| 3 | 175DR2U REF 175DE2U, LF3865, LF0608 0 | | \$659,982 |

**SCAC WITH PACKAGE MOUNTED RAD (3)
LAFAYETTE, INDIANA**

Ship Weight
lbs

List Price
At Factory

STANDARD Configurations:

50 Hz Package PAs - Configuration PAs and Part Numbers

| | Feature CODE | Feature CODE |
|-----------------------------------|-----------------|-----------------|
| Package | 175DE2S | 175DE2U |
| ----- | ----- | ----- |
| REF PACKAGE | 175DR2S | 175DR2U |
| PRIME FF | FFFWS02 | FFFWS02 |
| GENERATOR | OGNPMPH | OGNPMPS |
| BATTERY | BAT1213 | BAT1213 |
| Box Gp-Controls | EMCP42 | EMCP42 |
| ELEK GP | LANENGC | LANENGC |
| Box Gp - Basic | CUSTCN1 | CUSTCN1 |
| Cover Gp - Exciter (No-Filter) | CVR0054 | CVR0054 |
| COVER GP-(ANNUN) | CVR0078 | CVR0078 |
| COVER GP - JW | CVR0025 | CVR0025 |
| RADIATOR | RAD0075 | RAD0075 |
| CLEANER GP | ACLSS04 | ACLSS04 |
| CONNECTION GP-OIL | LUBOD13 | LUBOD13 |
| VIBRATION ISOLTR | VIBIS0A | VIBIS0A |
| ELEC STRNG MOTOR | ELSM240 | ELSM240 |
| COVER GP-STARTER | CVR0023 | CVR0023 |
| OIL-BULK | LUBOI30 | LUBOI30 |
| BREATHER GP | FUMDS01 | FUMDS01 |
| COVER GP-W/O | | |
| CHG ALTERNATOR | CVR0026 | CVR0026 |
| PRELUBE | ELEPP33 | ELEPP33 |
| E-STOP | ----- | ESTOP01 |
| OIL PAN & GAGE | OILPN03 | OILPN03 |
| FILTER GP PRIMARY | | |
| OIL | SPLEX03 | SPLEX03 |
| WIRING GP W/O CYL | | |
| TEMP SENSORS | WIRGP27 | WIRGP27 |
| COVER GP ESPL | | |
| RELIEV | CVR0065 | CVR0065 |
| FITTING GP-EXH | EXHB001 | EXHB001 |

50 Hz, 1500 RPM, LOW EMISSION PACKAGES

50 Hz, 1500 RPM, 3300V, 3 PHASE

| | | | |
|----------|----------------|---|--------------------|
| 3 | 175DE3J | C175-20 50 HZ PGS 0 | \$1,124,276 |
| | | Standby = 3900 kVA With fan rating: With Package Mounted Radiator. Ambient capability 43 C at standby rating. Radiator =466-3018. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3034, Frame = 3055/2. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. | |
| 3 | 175DR3J | REF 175DE3J, LF3864, LF2570 0 | \$602,995 |

SCAC WITH PACKAGE MOUNTED RAD (3)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
At Factory

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 | 175DE3L | C175-20 50 HZ PGS. 0 Standby = 3900 kVA With fan rating: With Package Mounted Radiator. Ambient capability 43 C at standby rating. Radiator =466-3018. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3052, Frame = 3055/2. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. | 0 | \$1,221,842 |
| 3 | 175DR3L | REF 175DE3L, LF3865, LF2570 0 | 0 | \$659,982 |

**SCAC WITH PACKAGE MOUNTED RAD (3)
LAFAYETTE, INDIANA**

Ship Weight
lbs

List Price
At Factory

STANDARD Configurations:

50 Hz Package PAs - Configuration PAs and Part Numbers

| | Feature CODE | Feature CODE |
|-----------------------------------|-----------------|-----------------|
| Package | 175DE3J | 175DE3L |
| ----- | ----- | ----- |
| REF PACKAGE | 175DR3J | 175DR3L |
| PRIME FF | FFFWS02 | FFFWS02 |
| GENERATOR | OGNPMPH | OGNPMPS |
| BATTERY | BAT1213 | BAT1213 |
| Box Gp-Controls | EMCP42 | EMCP42 |
| ELEK GP | LANENGC | LANENGC |
| Box Gp - Basic | CUSTCN1 | CUSTCN1 |
| Cover Gp - Exciter (No-Filter) | CVR0054 | CVR0054 |
| COVER GP-(ANNUN) | CVR0078 | CVR0078 |
| COVER GP - JW | CVR0025 | CVR0025 |
| RADIATOR | RAD0075 | RAD0075 |
| CLEANER GP | ACLSS04 | ACLSS04 |
| CONNECTION GP-OIL | LUBOD13 | LUBOD13 |
| VIBRATION ISOLTR | VIBIS0A | VIBIS0A |
| ELEC STRNG MOTOR | ELSM240 | ELSM240 |
| COVER GP-STARTER | CVR0023 | CVR0023 |
| OIL-BULK | LUBOI30 | LUBOI30 |
| BREATHER GP | FUMDS01 | FUMDS01 |
| COVER GP-W/O | | |
| CHG ALTERNATOR | CVR0026 | CVR0026 |
| PRELUBE | ELEPP33 | ELEPP33 |
| E-STOP | ----- | ESTOP01 |
| E-STOP | ----- | ESTOP01 |
| OIL PAN & GAGE | OILPN03 | OILPN03 |
| FILTER GP PRIMARY OIL | SPLX03 | SPLX03 |
| WIRING GP W/O CYL | | |
| TEMP SENSORS | WIRGP27 | WIRGP27 |
| COVER GP ESPL | | |
| RELIEV | CVR0065 | CVR0065 |
| FITTING GP-EXH | EXHB001 | EXHB001 |

60 HZ, 1800 RPM, LOW BSFC

60 Hz, 1800 RPM, 4160V, 3 PHASE

| | | | |
|----------|----------------|--|--------------------|
| 3 | 175DE1M | C175-20 60 HZ PGS. 0 | \$1,125,357 |
| | | Standby = 3900 ekW, Prime = 3500 ekW, Continuous = 3150 ekW. With fan rating: With Package Mounted Radiator. Ambient capability 40 C at standby rating. Radiator =425-1762. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3034, Frame = 3055/2 . Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | |

| | | |
|---|--------------------|--------------------------|
| SCAC WITH PACKAGE MOUNTED RAD (3) LAFAYETTE, INDIANA | Ship Weight lbs | List Price At Factory |
|---|--------------------|--------------------------|

| | | | | |
|---|---------|-----------------------------------|---|-----------|
| 3 | 175DR1M | REF 175DE1M, LF3846, LF0606 | 0 | \$588,388 |
|---|---------|-----------------------------------|---|-----------|

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.

| | | | | |
|---|---------|---|--|-------------|
| 3 | 175DE1N | C175-20 60 HZ PGS. 0 Standby = 3900 ekW, Prime = 3500 ekW, Continuous = 3150 ekW. With fan rating: With Package Mounted Radiator. Ambient capability 40 C at standby rating. Radiator = 425-1762. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3046, Frame = 3055 / 2. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | | \$1,222,508 |
|---|---------|---|--|-------------|

| | | | | |
|---|---------|-----------------------------------|---|-----------|
| 3 | 175DR1N | REF 175DE1N, LF3847, LF0606 | 0 | \$632,204 |
|---|---------|-----------------------------------|---|-----------|

SCAC WITH PACKAGE MOUNTED RAD (3)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
At Factory

STANDARD Configurations:

60 Hz Package PAs - Configuration PAs and Part Numbers

| Package | Feature CODE | Feature CODE |
|-----------------------------------|-----------------|-----------------|
| ----- | 175DE1M | 175DE1N |
| REF PACKAGE | 175DR1M | 175DR1N |
| PRIME FF | FFFWS02 | FFFWS02 |
| GENERATOR | OGNPMNW | OGNPMPC |
| BATTERY | BAT1213 | BAT1213 |
| Box Gp-Controls | EMCP42 | EMCP42 |
| ELEK GP | LANENGC | LANENGC |
| Box Gp - Basic | CUSTCN1 | CUSTCN1 |
| Cover Gp - Exciter (No-Filter) | CVR0054 | CVR0054 |
| COVER GP-(ANNUN) | CVR0078 | CVR0078 |
| COVER GP - JW | CVR0025 | CVR0025 |
| RADIATOR | RAD0055 | RAD0055 |
| CLEANER GP | ACLSS07 | ACLSS07 |
| CONNECTION GP-OIL | LUBOD13 | LUBOD13 |
| VIBRATION ISOLTR | VIBIS0A | VIBIS0A |
| ELEC STRNG MOTOR | ELSM240 | ELSM240 |
| COVER GP-STARTER | CVR0023 | CVR0023 |
| OIL-BULK | LUBOI30 | LUBOI30 |
| BREATHER GP | FUMDS01 | FUMDS01 |
| COVER GP-W/O | | |
| CHG ALTERNATOR | CVR0026 | CVR0026 |
| PRELUBE | ELEPP33 | ELEPP33 |
| E-STOP | ----- | ESTOP01 |
| OIL PAN & GAGE | OILPN03 | OILPN03 |
| FILTER GP PRIMARY | | |
| OIL | SPLEX03 | SPLEX03 |
| WIRING GP W/O CYL | | |
| TEMP SENSORS | WIRGP34 | WIRGP34 |
| COVER GP ESPL | | |
| RELIEV | CVR0065 | CVR0065 |
| FITTING GP-EXH | EXHB005 | EXHB005 |

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, EPA CERTIFIED

60 Hz, 1800 RPM, 4160V, 3 PHASE

C175-20EL

| SCAC WITH PACKAGE MOUNTED RAD (3) LAFAYETTE, INDIANA | | Ship Weight lbs | List Price At Factory |
|---|---|--------------------|--------------------------|
| 3 | 175DE1P C175-20 60 HZ PKGS. 0 Standby = 3900 ekW, Prime = 3500 ekW, Continuous = 3150 ekW. With fan rating: With Package Mounted Radiator. Ambient capability 40 C at standby rating. Radiator = 425-1762. Engine = C175-20 (EPA Stationary Emergency (EPA Tier 2 emissions Cooling System = SCAC. Generator Argt = 331-3034, Frame = 3055 / 2 . Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | | \$1,276,987 |
| 3 | 175DR1P REF 175DE1P, LF3848, LF0607 0 | | \$741,102 |

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.

| | | | |
|---|---|--|--------------------|
| 3 | 175DE1Q C175-20 60 HZ PGS. 0 Standby = 3900 ekW, Prime = 3500 ekW, Continuous = 3150 ekW. With fan rating: With Package Mounted Radiator. Ambient capability 40 C at standby rating. Radiator = 425-1762. Engine = C175-20 (EPA Stationary Emergency (EPA Tier 2 emissions levels)). Cooling System = SCAC. Generator Argt = 331-3046, Frame = 3055 / 2 . Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | | \$1,374,137 |
| 3 | 175DR1Q REF 175DE1Q, LF3849, LF0607 0 | | \$784,918 |

**SCAC WITH PACKAGE MOUNTED RAD (3)
LAFAYETTE, INDIANA**

Ship Weight
lbs

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STANDARD Configurations:

60 Hz EPA TIER 2 Package PAs - Configuration PA2 and Part Numbers

| Package | Feature CODE | Feature CODE |
|-----------------------------------|-----------------|-----------------|
| ----- | 175DE1P | 175DE1Q |
| REF PACKAGE | 175DR1P | 175DR1Q |
| PRIME FF | FFFWS02 | FFFWS02 |
| GENERATOR | OGNPMNW | OGNPMPC |
| BATTERY | BAT1213 | BAT1213 |
| Box Gp-Controls | EMCP42 | EMCP42 |
| ELEK GP | LANENGC | LANENGC |
| Box Gp - Basic | CUSTCN1 | CUSTCN1 |
| Cover Gp - Exciter (No-Filter) | CVR0054 | CVR0054 |
| COVER GP-(ANNUN) | CVR0078 | CVR0078 |
| COVER GP - JW | CVR0025 | CVR0025 |
| RADIATOR | RAD0055 | RAD0055 |
| CLEANER GP | ACLSS07 | ACLSS07 |
| CONNECTION GP-OIL | LUBOD13 | LUBOD13 |
| VIBRATION ISOLTR | ----- | ----- |
| ELEC STRTNG MOTOR | ELSM240 | ELSM240 |
| COVER GP-STARTER | CVR0023 | CVR0023 |
| OIL-BULK | LUBOI30 | LUBOI30 |
| BREATHER GP | FUMDS01 | FUMDS01 |
| COVER GP-W/O | | |
| CHG ALTERNATOR | CVR0026 | CVR0026 |
| PRELUBE | ELEPP33 | ELEPP33 |
| E-STOP | ----- | ESTOP01 |
| OIL PAN & GAGE | OILPN03 | OILPN03 |
| FILTER GP PRIMARY OIL | SPLEX03 | SPLEX03 |
| WIRING GP W/O CYL | | |
| TEMP SENSORS | WIRGP34 | WIRGP34 |
| COVER GP ESPL | | |
| RELIEV | CVR0065 | CVR0065 |
| FITTING GP-EXH | EXHB005 | EXHB005 |

SCAC WITHOUT PACKAGE MOUNTED RAD (4)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
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Product Consist:

PRICING INFORMATION

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SCAC WITHOUT PACKAGE MOUNTED RAD (4)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
At Factory

TECHNICAL PERFORMANCE DATA (CONT.)

(<https://engines.cat.com>). CWS logon id is needed to access Power Net.

RATINGS GUIDE

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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
Wall mounted 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: 5" Cat Flange.

SCAC WITHOUT PACKAGE MOUNTED RAD (4)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
At Factory

COOLING SYSTEM (CONT.)

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). 50Hz
Dual ANSI 18" / DIN 450 Flanges. Shipped Loose. Support required
from installation. 60Hz

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-line)
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.
3000 Frame Generators (MV/HV)
Form Wound
Permanent Magnet
Anti Condensation Space Heater
NEMA Class H insulation, Class H 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.

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

GENERAL

PAINT
Caterpillar Yellow with high gloss black rails.
Right Hand Service
SAE standard rotation.

50 Hz, 1500 RPM, LOW BSFC PACKAGES

50 hz, 1500 RPM, 3300V, 3 PHASE

| | | | |
|---|---------|--|------------------|
| 4 | 175DE2T | C175-20 50 HZ PGS. 0 Standby = 4000 kVA, Prime = 3600 kVA, Continuous = 3250 kVA. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3034, Frame = 3045 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | \$977,071 |
| 4 | 175DR2T | REF 175DE2T, LF0604, LF0608. 0 | \$602,995 |

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 | 175DE2V | C175-20 50 HZ PGS. 0 Standby = 4000 kVA, Prime = 3600 kVA, Continuous = 3250 kVA. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3052, Frame = 3055 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | \$1,072,927 |
| 4 | 175DR2V | REF 175DE2V, LF3867, LF0608. 0 | \$659,982 |

**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

| | 3300V | 11.0kV |
|----------------------------------|--------------|--------------|
| Package | Feature CODE | Feature CODE |
| ----- | ----- | ----- |
| REF PACKAGE | 175DR2T | 175DR2V |
| PRIME FF | FFFWS02 | FFFWS02 |
| GENERATOR | OGNPMPH | OGNPMP5 |
| BATTERY | BAT1213 | BAT1213 |
| Box Gp-Controls | EMCP42 | EMCP42 |
| ELEK GP | LANENGC | LANENGC |
| Box Gp - Basic | CUSTCN1 | CUSTCN1 |
| COVER GP - SPACE | | |
| HTR THERM | CVR0027 | CVR0027 |
| Cover Gp - Exciter (No-Filter) | CVR0054 | CVR0054 |
| COVER GP-(ANNUN) | CVR0078 | CVR0078 |
| COVER GP - JW | CVR0025 | CVR0025 |
| CLEANER GP | ACLSS04 | ACLSS04 |
| CONNECTION GP-OIL | LUBOD13 | LUBOD13 |
| VIBRATION ISOLTR | VIBIS72 | VIBIS72 |
| ELEC STRING MOTOR | ELSM240 | ELSM240 |
| COVER GP-STARTER | CVR0023 | CVR0023 |
| OIL-BULK | LUBOI30 | LUBOI30 |
| BREATHER GP | FUMDS01 | FUMDS01 |
| COVER GP-W/O | | |
| CHG ALTERNATOR | CVR0026 | CVR0026 |
| Prelube | ELEPP33 | ELEPP33 |
| OIL PAN & GAGE | OILPN03 | OILPN03 |
| FILTER GP PRIMARY OIL | SPLEX03 | SPLEX03 |
| WIRING GP (W/O CYL TEMP SENSORS) | WIRGP27 | WIRGP27 |
| COVER GP EXPL | | |
| RELIEV | CVR0065 | CVR0065 |
| FITTING GP-EXH | EXHB001 | EXHB001 |

50 Hz, 1500 RPM, LOW EMISSION PACKAGES

50 hz, 1500 RPM, 3300V, 3 PHASE

| | | | |
|----------|----------------|---|------------------|
| 4 | 175DE3K | C175 -20 50 HZ PG.S. 0 | \$977,071 |
| | | Standby = 4000 kVA Engine = C175 -20. Cooling System = SCAC. Generator Argt = 331 -3034, Frame = 3045 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130 C. Prime = 105 C, Continuous = 105 C. | |
| 4 | 175DR3K | REF 175 DE3K, LF3866, LF2570 0 | \$602,995 |

SCAC WITHOUT PACKAGE MOUNTED RAD (4)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
At Factory

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 | 175DE3M | C175 -20 50 HZ PGS | 0 | \$1,072,927 |
| | | Standby = 4000 kVA Engine = C175 -20. Cooling System = SCAC. Generator Argt = 331-3052, Frame = 3055 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130 C. Prime = 105 C, Continuous = 105 C. | | |
| 4 | 175DR3M | REF 175 DE3M, LF3867, LF2570 | 0 | \$659,982 |

STANDARD Configurations:

50 Hz Package PAs - Configuration PAs and Part Numbers

| | 3300V | 11.0kV |
|-------------------------------------|-----------------|-----------------|
| | Feature CODE | Feature CODE |
| Package | 175DE3K | 175DE3M |
| ----- | ----- | ----- |
| REF PACKAGE | 175DR3K | 175DR3M |
| PRIME FF | FFFWS02 | FFFWS02 |
| GENERATOR | OGNPMPH | OGNPMPS |
| BATTERY | BAT1213 | BAT1213 |
| Box Gp-Controls | EMCP42 | EMCP42 |
| ELEK GP | LANENGC | LANENGC |
| Box Gp - Basic | CUSTCN1 | CUSTCN1 |
| COVER GP - SPACE | | |
| HTR THERM | CVR0027 | CVR0027 |
| Cover Gp - Exciter (No-Filter) | CVR0054 | CVR0054 |
| COVER GP-(ANNUN) | CVR0078 | CVR0078 |
| COVER GP - JW | CVR0025 | CVR0025 |
| CLEANER GP | ACLSS04 | ACLSS04 |
| CONNECTION GP-OIL | LUBOD13 | LUBOD13 |
| VIBRATION ISOLTR | VIBIS72 | VIBIS72 |
| ELEC STRING MOTOR | ELSM240 | ELSM240 |
| COVER GP-STARTER | CVR0023 | CVR0023 |
| OIL-BULK | LUBOI30 | LUBOI30 |
| BREATHER GP | FUMDS01 | FUMDS01 |
| COVER GP-W/O | | |
| CHG ALTERNATOR | CVR0026 | CVR0026 |
| Prelube | ELEPP33 | ELEPP33 |
| OIL PAN & GAGE | OILPN03 | OILPN03 |
| FILTER GP PRIMARY | | |
| OIL | SPLEX03 | SPLEX03 |
| WIRING GP (W/O CYL TEMP SENSORS) | WIRGP27 | WIRGP27 |
| COVER GP EXPL | | |
| RELIEV | CVR0065 | CVR0065 |
| FITTING GP-EXH | EXHB001 | EXHB001 |

C175-20EL

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

60 HZ, 1800 RPM, LOW BSFC

60 Hz, 1800 RPM, 4160V, 3 PHASE

| | | | |
|---|---------|---|-----------|
| 4 | 175DE1F | C175-20 60 HZ PGS. 0 Standby = 4000 ekW, Prime = 3600 ekW, Continuous = 3250 ekW. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3034, Frame = 3045 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | \$978,957 |
| 4 | 175DR1F | REF 175DE1F, LF3842, LF0606 0 | \$588,388 |

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 | 175DE1G | C175-20 60 HZ PGS. 0 Standby = 4000 ekW, Prime = 3600 ekW, Continuous = 3250 ekW. Engine = C175-20. Cooling System = SCAC. Generator Argt = 331-3046, Frame = 3055 / 2. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | \$1,076,108 |
| 4 | 175DR1G | REF 175DE1G, LF3845, LF0606 0 | \$632,204 |

SCAC WITHOUT PACKAGE MOUNTED RAD (4)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
At Factory

STANDARD Configurations:

60 Hz Package PAs - Configuration PAs and Part Numbers

| | 4160V | 13.8kV |
|----------------------------------|--------------|--------------|
| Package | Feature CODE | Feature CODE |
| ----- | ----- | ----- |
| REF PACKAGE | 175DR1F | 175DR1G |
| PRIME FF | FFFWS02 | FFFWS02 |
| GENERATOR | OGNPMNW | OGNPMPC |
| BATTERY | BAT1213 | BAT1213 |
| Box Gp-Controls | EMCP42 | EMCP42 |
| ELEK GP | LANENGC | LANENGC |
| Box Gp-Basic | CUSTCN1 | CUSTCN1 |
| COVER GP-SPACE | | |
| COVER GP-SPACE | | |
| HTR THERM | CVR0027 | CVR0027 |
| Cover Gp-Exciter (No-Filter) | CVR0054 | CVR0054 |
| COVER GP (ANNUN) | CVR0078 | CVR0078 |
| COVER GP-JW | CVR0025 | CVR0025 |
| CLEANER GP | ACLS07 | ACLS07 |
| CONNECTION GP-OIL | LUBOD13 | LUBOD13 |
| VIBRATION ISOLTR | VIBIS72 | VIBIS72 |
| ELEC STRNG MOTOR | ELSM240 | ELSM240 |
| COVER GP-STARTER | CVR0023 | CVR0023 |
| OIL-BULK | LUBOI30 | LUBOI30 |
| BREATHER GP | FUMDS01 | FUMDS01 |
| COVER GP-W/O | | |
| CHG ALTERNATOR | CVR0026 | CVR0026 |
| Prelube | ELEPP33 | ELEPP33 |
| OIL PAN & GAGE | OILPN03 | OILPN03 |
| FILTER GP PRIMARY | | |
| OIL | SPLX03 | SPLX03 |
| WIRING GP (W/O CYL TEMP SENSORS) | WIRGP34 | WIRGP34 |
| COVER GP EXP | | |
| RELIEV | CVR0065 | CVR0065 |
| FITTING GP-EXH | EXHC005 | ECHC005 |

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, EPA CERTIFIED

60 Hz, 1800 RPM, 4160V, 3 PHASE

C175-20EL

| SCAC WITHOUT PACKAGE MOUNTED RAD (4) LAFAYETTE, INDIANA | | Ship Weight lbs | List Price At Factory |
|--|---|--------------------|--------------------------|
| 4 | 175DE1H C175-20 60 HZ PKGS. 0 Standby = 4000 ekW, Prime = 3600 ekW, Continuous = 3250 ekW. Engine = C175-20 (EPA Stationary Emergency (EPA Tier 2 emissions Cooling System = SCAC. Generator Argt = 331-3034, Frame = 3055 / 2B. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | | \$1,131,671 |
| 4 | 175DR1H REF 175DE1H, LF3843, LF0607 0 | | \$741,102 |

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 | 175DE1J C175-20 60 HZ PGS. 0 Standby = 4000 ekW, Prime = 3600 ekW, Continuous = 3250 ekW. Engine = C175-20 (EPA Stationary Emergency (EPA Tier 2 emissions levels)). Cooling System = SCAC. Generator Argt = 331-3046, Frame = 3055 / 2. Generator Winding = FW, No of Leads = 6, Pitch = 2/3. NEMA Class Gen Temp Rise: Standby = 130C. Prime = 105C, Continuous = 105C. | | \$1,228,822 |
| 4 | 175DR1J REF 175DE1J, LF3844, LF0607. 0 | | \$784,918 |

SCAC WITHOUT PACKAGE MOUNTED RAD (4)
LAFAYETTE, INDIANA

Ship Weight
lbs

List Price
At Factory

STANDARD Configurations:

60 Hz EPA TIER 2 Package PAs - Configuration PA2 and Part Numbers

| | 4160V Feature CODE | 13.8kV Feature CODE |
|-------------------------------------|--------------------------|---------------------------|
| Package | 175DE1H | 175DE66 |
| ----- | ----- | ----- |
| REF PACKAGE | 175DR1H | 175DR66 |
| PRIME FF | FFFWS02 | FFFWS02 |
| GENERATOR | OGNPMMW | OGNPMPC |
| BATTERY | BAT1213 | BAT1213 |
| Box Gp-Controls | EMCP42 | EMCP42L |
| ELEK GP | LANENGC | LANENGC |
| Box Gp - Basic | CUSTCN1 | CUSTCN1 |
| COVER GP - SPACE | | |
| | | |
| HTR THERM | CVR0027 | CVR0027 |
| Cover Gp - Exciter (No-Filter) | CVR0054 | CVR0054 |
| COVER GP-(ANNUN) | CVR0078 | CVR0078 |
| COVER GP - JW | CVR0025 | CVR0025 |
| CLEANER GP | ACLSS07 | ACLSS07 |
| CONNECTION GP-OIL | LUBOD13 | LUBOD13 |
| VIBRATION ISOLTR | VIBIS72 | VIBIS72 |
| ELEC STRNG MOTOR | ELSM240 | ELSM240 |
| COVER GP-STARTER | CVR0023 | CVR0023 |
| OIL-BULK | LUBOI30 | LUBOI30 |
| BREATHER GP | FUMDS01 | FUMDS01 |
| COVER GP-W/O | | |
| CHG ALTERNATOR | CVR0026 | CVR0026 |
| Prelube | ELEPP33 | ELEPP33 |
| OIL PAN & GAGE | OILPN03 | OILPN03 |
| FILTER GP PRIMARY | | |
| OIL | SPLEX03 | SPLEX03 |
| WIRING GP (W/O CYL TEMP SENSORS) | WIRGP34 | WIRGP34 |
| COVER GP EXPL | | |
| RELIEV | CVR0065 | CVR0065 |
| FITTING GP-EXH | EXHB005 | EXHB005 |

| USE | REF NO. | MANDATORY ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|-----------------------|-----------------|-----------------------|
|-----|---------|-----------------------|-----------------|-----------------------|

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. | | NC |
| 34 | LOWBSFC | LOW BSFC CONFIG--NON-CERTIFIED 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 | 50H3300 | VOLTAGE INDICATOR 3300V (WYE) 0 TECHNICAL: Wye connection. | | NC |
| 34 | 50H6300 | VOLTAGE INDICATOR 6300V (WYE) 0 TECHNICAL: Wye connection. | | NC |
| 34 | 50H6600 | VOLTAGE INDICATOR 6600V (WYE) 0 TECHNICAL: Wye connection. | | NC |
| 34 | 50H6900 | VOLTAGE INDICATOR 6900V (WYE) 0 TECHNICAL: Wye connection. | | NC |
| 34 | 50H10K0 | VOLTAGE INDICATOR 10000V (WYE) 0 TECHNICAL: Wye connection. | | NC |
| 34 | 50H10K5 | VOLTAGE INDICATOR 10500V (WYE) 0 TECHNICAL: Wye connection. | | NC |
| 34 | 50H11K0 | VOLTAGE INDICATOR 11000V (WYE) 0 TECHNICAL: Wye connection. | | NC |

60 Hertz Voltage Indicators

| | | | | |
|----|---------|--|--|----|
| 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 |

| USE | REF NO. | MANDATORY ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|-----------------------|-----------------|-----------------------|
|-----|---------|-----------------------|-----------------|-----------------------|

VOLTAGE INDICATORS (CONT.)

60 Hertz Voltage Indicators (Cont.)

| | | | | |
|----|---------|--|--|----|
| 34 | 60H13K2 | VOLTAGE INDICATOR 13200V (Wye) 0 TECHNICAL: Wye connection. | | NC |
| 34 | 60H13K8 | VOLTAGE INDICATOR 13800V (Wye) 0 TECHNICAL: Wye connection. | | NC |

CERTIFICATIONS

| | | | | |
|----|---------|---|--|-----------|
| 34 | EUDGDOI | EUROPEAN DIRECTIVE GENSET DOI 0 TECHNICAL: Provides Declaration of Incorporation document per 2006/42/EC (Machinery Safety Directive), and 2006/95/EC (Low Voltage Safety Directive). The Declaration of Incorporation allows free movement of goods in the EU per the Machinery Safety Directive, 2006/42/EC, and references demonstrated compliance to other applicable directives. This is required by OEM manufacturers when the subject product is installed in a more complex installation. CANNOT BE USED WITH: ULLIST. NOTE: For ATEX applications, contact Application Support. | | \$271 NET |
| 34 | NOEUCRT | NO EU CERT REQUEST-SEE DETAILS 0 TECHNICAL: A Declaration document will not be provided. | | NC |
| 34 | NONULL | NON-UL2200 LISTED GENSET 0 | | NC |

NOTE: For ATEX applications, contact Application Support.

Seismic Certifications

| | | | | |
|---|---------|---|--|-------------|
| 4 | IBCCERT | IBC CERTIFICATION 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: VIBIS70 CANNOT BE USED WITH: IBCOSH1. | | \$3,964 NET |
| 4 | IBCOSH1 | OSHPD CERTIFICATION 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: VIBIS70 and 60 Hz packages CANNOT BE USED WITH: 50 Hz packages. | | \$6,177 NET |

| USE | REF NO. | MANDATORY ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|-----------------------|-----------------|-----------------------|
|-----|---------|-----------------------|-----------------|-----------------------|

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 | STANDBY POWER APPLICATION 0 For application at standby rating. REQUIRES: FRTHGSB | | NC |
| 34 | PRIMEPA | PRIME POWER APPLICATION 0 For application at prime rating. REQUIRES: FRTHGPC | | NC |
| 34 | CONTINU | CONTINUOUS POWER APPLICATION 0 For application at continuous rating. REQUIRES: FRTHGPC | | NC |
| 34 | MISCRIT | MISSION CRITICAL POWER 0 For applications applied per the Mission Critical application. REQUIRES: 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 | SHTTRAN | NON-OCEANIC TRANSPORT 0 Used for shipments of an engine or package that will be transported to site entirely on land or by air. | | NC |
| 34 | SHOTRAN | OCEANIC TRANSPORT 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 | EP-ADDED SCOPE PRODUCT 0 All Gensets Utilized in the generation of Electrical Power that are sold with added scope. Typically added scope can be customized 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 | GENERAL EPG 0 All generator (including component parts to assemble the same) and renewables utilized in the generation of electrical power for general residential, commercial 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 |
|-----|---------|-----------------------|-----------------|-----------------------|
|-----|---------|-----------------------|-----------------|-----------------------|

APPLICATION INDICATORS (CONT.)

Market Segmentation - Select ONE. (Cont.)

| | | | | |
|----|---------|--|--|----|
| 34 | MSLOCEP | LOCOMOTIVE EPG 0 All engines and generator sets utilized in the generation of electrical power for locomotive propulsion and head end power. | | NC |
| 34 | MSPETDR | PETROLEUM LAND DRILLING 0 Engines, transmissions and packages used to drill oil and gas wells (including auxiliary GEN Sets mounted on drill rigs). This includes Petroleum, Industrial, EPG, and Marine price list products. | | NC |
| 34 | MSPETPG | END USE: PETRO PRODUCTION/PUMP 0 All engines utilized in the generation of mechanical and electrical power for exploration, recovery and transmission of petroleum products including gathering, production, pumping, and refining, (but not gas compression or drilling). Applications include camp power, emergency gen sets (non-drilling), prime power at production and storage facilities, cranes, fire pumps, air compressors, primary or secondary recovery systems such as down hole pumps, water flood or disposal systems, etc. This includes rental products which fit Petroleum Production/Pumping market segment description. This includes industrial, marine, and EPG price list products. | | NC |
| 34 | MSPETOD | PETRO OFFSHORE DRILLING 0 Engines and genset packages used as main sources of power for drilling duty or for emergency power on offshore oil & gas drill rigs (but not on production rigs, platforms, or facilities). Does not include firepumps or cranes for drilling or production rigs, platforms, or facilities. | | NC |
| 34 | MSPMDXQ | END USE:EPG Rental-All Product 0 All generator sets (diesel and gas) utilized in the generation of electrical power for the application "RENTAL". This includes all standard open and enclosed products that will support dealer rental fleets as well as specific EP Rental products (XQ & XQE). This category should not be used for Diesel & Gas EPG (Non Rental), Petroleum, Locomotive or Marine Electric Power applications. Please ensure the selected unit complies with regional emission standards. | | NC |

ENGINE RATING AND SPEED

Package Rating

Select ONE.

50 Hertz

| | | | | |
|---|---------|---|--|----|
| 4 | KV04000 | 4000 KVA WITHOUT FAN 0 ONLY FOR USE WITH: Standby. | | NC |
| 3 | KV03900 | 3900 KVA WITH FAN 0 ONLY FOR USE WITH: Standby. | | NC |
| 4 | KV03600 | 3600 KVA WITHOUT FAN 0 ONLY FOR USE WITH: Prime. | | NC |
| 3 | KV03500 | 3500 KVA WITH FAN 0 ONLY FOR USE WITH: Prime | | NC |
| 4 | KV03250 | 3250 KVA WITHOUT FAN 0 ONLY FOR USE WITH: Continuous. | | NC |

| USE | REF NO. | MANDATORY ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|-----------------------|-----------------|-----------------------|
|-----|---------|-----------------------|-----------------|-----------------------|

ENGINE RATING AND SPEED (CONT.)

50 Hertz (Cont.)

| | | | | |
|---|---------|--|--|----|
| 3 | KV03150 | 3150 KVA WITH FAN 0 ONLY FOR USE WITH: Continuous | | NC |
|---|---------|--|--|----|

60 Hertz

| | | | | |
|---|---------|--|--|----|
| 4 | KW04000 | 4000 EKW WITHOUT FAN 0 ONLY FOR USE WITH: Standby. | | NC |
| 3 | KW03900 | 3900 EKW WITH FAN 0 ONLY FOR USE WITH: Standby | | NC |
| 4 | KW03600 | 3600 KW FPP (PAR) 0 ONLY FOR USE WITH: Prime. | | NC |
| 3 | KW03500 | 3500 EKW WITH FAN 0 ONLY FOR USE WITH: Prime | | NC |
| 4 | KW03250 | 3250 EKW WITHOUT FAN 0 ONLY FOR USE WITH: Continuous. | | NC |
| 3 | KW03150 | 3150 EKW WITH FAN 0 ONLY FOR USE WITH: Continuous | | NC |

CONFIGURATION INDICATORS

Positive Build Configuration Indicators

Configuration Options

Select ONE.
By selecting "CONFIG" you will be allowed to modify the configuration by selecting or deselecting optional items.

| | | | | |
|----|--------|---|--|----|
| 34 | CONFIG | MODIFIED CONFIGURATION 0 See Optional Attachments Section of price list. | | NC |
|----|--------|---|--|----|

Reference Configurations

Reference Configurations in Top Level

Factory Radiator Type

Select ONE.

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

Generator Temp Rise

Select ONE.

| | | | | |
|---|---------|--|--|----|
| 4 | GENT080 | 80C TEMP RISE OVER 40C AMB 0 TECHNICAL: Restricts generator options to generators with 80C temp rise capability at 40C ambient. | | NC |
|---|---------|--|--|----|

| USE | REF NO. | MANDATORY ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|-----------------------|-----------------|-----------------------|
|-----|---------|-----------------------|-----------------|-----------------------|

CONFIGURATION INDICATORS (CONT.)

Generator Temp Rise (Cont.)

| | | | | |
|---|---------|--|--|----|
| 4 | GENT105 | 105C TEMP RISE OVER 40C AMB 0 TECHNICAL: Restricts generator options to generators with 105C temp rise capability at 40C ambient. | | NC |
| 4 | GENT130 | 130C TEMP RISE OVER 40C AMB 0 TECHNICAL: Restricts generator options to generators with 130C temp rise capability at 40C ambient. | | NC |

CONTROL PANELS

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 TProvides functionality of EMCP 4.2 plus an 8-line TECHNICAL: graphical screen, additional I/O, and Ethernet (Modbus TCP). CANNOT BE USED WITH: EMCP42 | | \$7,162 |

LANGUAGE OPTIONS

Control Panels - Language Options

One option supplied at no charge.

| | | | | |
|----|----------|--|--|----|
| 34 | LANENG C | ENGLISH LANGUAGE- GENSET CNTL 0 | | NC |
| 34 | LANARAC | ARABIC LANGUAGE-GENSET CNTL 0 | | NC |
| 34 | LANCHIC | CHINESE LANGUAGE-GENSET CNTL 0 | | NC |
| 34 | LANDANC | DANISH LANGUAGE-GENSET CNTL 0 | | NC |
| 34 | LANDUTC | DUTCH LANGUAGE-GENSET CNTL 0 | | NC |
| 34 | LANFINC | FINNISH LANGUAGE-GENSET CNTL 0 | | NC |
| 34 | LANFREC | FRENCH LANGUAGE- GENSET CNTL 0 | | NC |
| 34 | LANGERC | GERMANLANGUAGE-GENSET CNTL 0 | | NC |
| 34 | LANGREC | GERMAN LANGUAGE-GENSET CNTL 0 | | NC |
| 34 | LANITAC | ITALIAN LANGUAGE-GENSET CNTL 0 | | NC |
| 34 | LANJAPC | JAPANESE LANGUAGE-GENSET CNTL 0 | | NC |
| 34 | LANPORC | PORTUGUESE LANGAUGE-GENSET CNT 0 | | NC |

| USE | REF NO. | MANDATORY ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|-----------------------|-----------------|-----------------------|
|-----|---------|-----------------------|-----------------|-----------------------|

LANGUAGE OPTIONS (CONT.)

Control Panels - Language Options (Cont.)

| | | | | |
|----|---------|---|---|----|
| 34 | LANRUSC | RUSSIAN LANGUAGE-GENSET CNTL | 0 | NC |
| 34 | LANSPAC | SPANISH LANGUAGE- GENSET CNTL | 0 | NC |
| 34 | LANSWEC | SWEDISH LANGUAGE-GENSET CNTL | 0 | NC |
| 34 | LANTURC | TURKISH LANGUAGE-GENSET CNTL | 0 | NC |

PACKAGE Language Options

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 | LANGERO | LANGUAGE MARKINGS-GERMAN | 0 | NC |
| 34 | LANITAO | LANGUAGE MARKINGS-ITALIAN | 0 | NC |
| 34 | LANJAPO | JAPANESE LANGUAGE DECALS Product marking provided in English - not available in Japanese. | 0 | NC |
| 34 | LANPORO | LANGUAGE MARKINGS-PORTUGESE | 0 | NC |
| 34 | LANRUSO | LANGUAGE MARKINGS-RUSSIA | 0 | NC |
| 34 | LANSPAO | LANGUAGE MARKINGS-SPANISH | 0 | NC |
| 34 | LANTURO | LANGUAGE MARKINGS-TURKISH | 0 | NC |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

NOTE

MODIFIED CONFIGURATION SELECTIONS

AIR INLET SYSTEM

Air Cleaners

Select ONE.

| | | | | |
|----|---------|--|--|----------|
| 34 | ACLSS04 | AIR CLEANER - SINGLE ELEMENT 0 ** DEFAULT OFFERING ** 4 x Single Element Air Cleaners. Includes Service Indicator. Package Mounted (Installed). F/U/W 50HZ | | \$2,716 |
| 34 | ACLSS07 | AIR CLEANER - SINGLE ELEMENT 0 ** DEFAULT OFFERING ** 4 x Single Element Air Cleaners. Includes Service Indicator. Package Mounted (Installed). F/U/W 60HZ | | \$15,561 |

CONTROL PANEL OPTIONS

EMCP & MV/HV Power Connection Locations

Select one.

| | | | | |
|----|---------|---|--|----------|
| 34 | CUSTCN1 | POWER CONN MOUNT-RH (3000 FRM) 0 ** DEFAULT OFFERING ** TECHNICAL: Provides a RH-mounted power connection (MV/HV terminal box) | | \$14,850 |
| 34 | CUSTCN2 | POWER CONN MOUNT-LH (3000 FRM) 0 TECHNICAL: Provides a LH-mounted power connection (MV/HV terminal box) CANNOT BE USED WITH: LH-mounted MV buss. | | \$10,088 |

Load Share Module

Optional: Select maximum of one.

| | | | | |
|----|---------|---|--|---------|
| 34 | LSMOD12 | LOAD SHARE MODULE 0 TECHNICAL: Provides load share module components on MV/HV packages. Includes 10K ohm potentiometer. REQUIRES: Medium or high volt 3000 frame generator. | | \$1,775 |
|----|---------|---|--|---------|

EMCP VOLTAGE AND CURRENT SENSING GROUPS

Voltage & Current Sensing Groups (including CTs) required to operate the EMCP4 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 |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

CONTROL PANEL OPTIONS (CONT.)

Speed Adjust

| | | | | |
|----|---------|---|--|--------------|
| 34 | SPEDPTS | REMOTE SPEED ADJUST 0 TECHNICAL: Allows for remote speed adjust capability. Shipped loose. CANNOT BE USED WITH: Load Share Module options LSMOD12. | | \$310 |
|----|---------|---|--|--------------|

Annunciator Modules

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

| | | | | |
|----|---------|---|--|----------------|
| 34 | CVR0078 | COVERS-NO LOCAL ANNUNC MODULES 0 ** DEFAULT OFFERING ** Provides 2 covers over the opening for the first & second local annunciator CANNOT BE USED WITH: Any local Annunciator | | \$108 |
| 34 | CVR0044 | NO LOCAL ANNUNCIATOR 0 REQUIRES: Provides cover for opening when one local annunciator module is selected. CANNOT BE USED WITH: 2ND Custom Annunciator | | \$55 |
| 34 | ANNCL02 | LOCAL CUSTOM ANNUNCIATOR 0 TECHNICAL: Provides 16 point/32 light annunciator, accessory RS485 data link mounted on package, with label kit shipped loose for customer installation. CANNOT BE USED WITH: 1st local annunciator with NFPA 99-110/CSA 282 (ANNNFPA). | | \$584 |
| 34 | ANNR009 | LOCAL NFPA ANNUNCIATOR 0 TECHNICAL: Provides 16 point/32 light annunciator, accessory R485 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 Local Annunciator (ANNCL02) | | \$530 |
| 34 | ANNCL03 | 2ND CUSTOM LOCAL ANNUNCIATOR 0 TECHNICAL: Provides 16 point (32 light) annunciator, RS485 data link, mounted on package, with label kit shipped loose for customer installation. CANNOT BE USED WITH: ANNC006 | | \$584 |
| 34 | ANNC004 | CUSTOM REMOTE ANNUNCIATOR 0 Shipped loose. TECHNICAL: Provides 32 light annunciator, RS485, shipped with label kit shipped loose. CANNOT BE USED WITH: ANNC005 or ANNC006 | | \$966 |
| 34 | ANNC005 | CUSTOM REMOTE ANNUNCIATOR 0 Shipped loose. ANNC006 CUSTOM REMOTE ANNUNCIATOR USE CODE = (34) TECHNICAL: Provides 2, 32 point light annunciator, RS485, shipped with label kit shipped loose. CANNOT BE USED WITH: ANNC004 or ANNC006 | | \$1,932 |
| 34 | ANNC006 | CUSTOM REMOTE ANNUNCIATOR 0 Shipped loose. TECHNICAL: Provides 3, 32 light annunciator, RS485, shipped with label kit shipped loose. CANNOT BE USED WITH: ANNCUST or ANNCL03 | | \$2,898 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

CONTROL PANEL OPTIONS (CONT.)

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 | EMCSDP3 | INSTALLED DIO MODULE 0 Installed TECHNICAL: Provides 12 digital inputs and 8 form "C" relay outputs for customer use. REQUIRES: Customer Programming CANNOT BE USED WITH: EMCS14 or EMCP43. | | \$1,997 |
| 34 | EMCSDP2 | DISCRETE I/O MODULE 0 Shipped loose. TECHNICAL: Provides qty one - 12 digital inputs and 8 form "C" relay outputs for customer use. REQUIRES: Customer programming. CANNOT BE USED WITH: EMCS14 | | \$567 |
| 34 | EMCS14 | SPARE DISCRETE I/O PACKAGE 0 Shipped loose. TECHNICAL: Provides QTY 2 - 12 digital inputs and 8 form "C" relay outputs for customer use. REQUIRES: Customer programming. CANNOT BE USED WITH: EMCSDP3 or EMCSDP2 | | \$1,106 |

Generator Temperature Monitoring

| | | | | |
|----|---------|---|--|---------|
| 34 | GENRTD3 | GENERATOR MONITORING PKG HV 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: EMCP 4.2 | | \$1,233 |
| 34 | GENRTD7 | GENERATOR MONITORING PACKAGE 0 TECHNICAL: Provides generator RTD module to supply generator bearing and stator temperature monitoring capability for generators. Parameters are viewable on the EMCP 4. are viewable on the EMCP 4.3. REQUIRES: EMCP 4.3 | | \$1,245 |

E-STOP

| | | | | |
|----|---------|--|--|---------|
| 34 | ESTOP01 | ESTOP - ENGINE MOUNTED 0 ONLY FOR USE WITH: 3000 frame Generators and EMCP4.2 or EMCP4.3 | | \$1,710 |
|----|---------|--|--|---------|

Interconnect Harness

Select One - Partially Installed

| | | | | |
|----|---------|--|--|---------|
| 34 | HRNCN17 | 25' 7.5 M INTERCONNECT HARNESS 0 TECHNICAL: Provides interconnect between high voltage generator package and wall mount EMCP4.2 & 4.3 control panel. | | \$1,223 |
| 34 | HRNCN18 | 66' 20 M INTERCONNECT HARNESS 0 TECHNICAL: Provides interconnect between high voltage generator package and wall mount EMCP4.2 & 4.3 control panel. | | \$1,834 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

CONTROL PANEL OPTIONS (CONT.)

Generator Harness

Select One - Shipped Loose

| | | | | |
|----|---------|---|--|---------|
| 34 | HRNCN19 | 25' 7.5 M INTERCONNECT HARNESS 0 TECHNICAL: Provides interconnect between high voltage generator package and wall mount EMCP4.2 & 4.3 control panel. | | \$887 |
| 34 | HRNCN20 | 66' 20 M INTERCONNECT HARNESS 0 TECHNICAL: Provides interconnect between high voltage generator package and wall mount EMCP4.2 & 4.3 control panel. | | \$1,716 |

Modbus Monitoring of Packages

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

Panel Options:

| | | | | |
|----|---------|--|--|-------|
| 34 | VANDALD | VANDAL PROOF PANEL DOOR 0 TECHNICAL: Adds vandal door to protect package-mounted control panel. | | \$165 |
|----|---------|--|--|-------|

COOLING SYSTEM

Package Mounted Radiators

| | | | | |
|---|---------|--|--|-----------|
| 3 | RAD0055 | PKG MOUNTED 94 SQ FT SCAC RAD 0 ** DEFAULT OFFERING 60 Hz Package Mounted Radiator ** TECHNICAL: 60 HZ 94 Sq ft SCAC radiator Radiator Mounted Fan, Ambient Capability: 40C(104F), 300M(984ft), at Standby Rating. Includes low coolant level. Radiator is shipped loose. REQUIRES: 60 HZ CANNOT BE USED WITH: IBCCERT or IBCOSH1. | | \$145,658 |
| 3 | RAD0075 | PKG MOUNTED 94 SQ FT SCAC RAD 0 **DEFAULT OFFERING 50 Hz Package Mounted Radiator** TECHNICAL: 50 HZ 94 Sq ft SCAC radiator Radiator Mounted Fan, Ambient Capability: 43C(109F), 300M(984ft), at Standby Rating. Includes low coolant level sensor. Radiator is shipped loose. REQUIRES: 50 HZ CANNOT BE USED WITH: IBCCERT or IBCOSH1. | | \$146,964 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

COOLING SYSTEM (CONT.)

Remote Radiators

| | | | | |
|---|---------|---|---|-----------|
| 4 | RAD0049 | HORIZONTAL SCAC RADIATOR 0 TECHNICAL: 60 Hz - 350-2493; 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. - 112 kW @ 460 VAC 60hz. - Apx dims: L = 5785mm x W = 2273mm x H = 2409mm. - Apx dry weight 6180 KG. - Coolant capacity: JW = 729L, SCAC = 310L (radiator + engine only). - ANSI Flanges: JW = 6", SCAC = 5". ONLY FOR USE WITH: 60 hertz packages. CANNOT BE USED WITH: 175DE2T, 175DE2V | 0 | \$161,114 |
| 4 | RAD0050 | HORIZONTAL SCAC RADIATOR 0 TECHNICAL: 50 Hz - 350-2492; 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 @ 380 VAC 50hz. - Apx dims: L = 5785mm x W = 2273mm x H = 2409mm. - Apx dry weight 6180 KG. - Coolant capacity: JW = 729L, SCAC = 310L (radiator + engine only). - ANSI Flanges: JW = 6", SCAC = 5". ONLY FOR USE WITH: 50 hertz packages. CANNOT BE USED WITH: 175DE1F, 175DE1G, 175DE1H, 175DE1J | 0 | \$162,012 |

Fuel Cooler

| | | | | |
|----|---------|---|---|---------|
| 34 | FULC010 | COOLER GP-FUEL 0 TECHNICAL: 24-volt DC motor, 5.5A max current. Shipped Loose. 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 |
|----|---------|---|---|---------|

EXHAUST SYSTEM

ENGINE

Front Housing (Automatically Selected)

| | | | | |
|----|---------|---|---|----|
| 34 | FRTHGSB | FRONT HOUSING-STANDBY 0 TECHNICAL: Provides engine front housing for use with STANDBY or MISSION CRITICAL duty. | 0 | NC |
|----|---------|---|---|----|

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

EXHAUST SYSTEM (CONT.)

ENGINE (Cont.)

| | | | | |
|----|---------|---|--|----|
| 34 | FRTHGPC | FRONT HOUSING-PRMCNT 0 TECHNICAL: Provides engine front housing for use with PRIME or CONTINUOUS duty. | | NC |
|----|---------|---|--|----|

Exhaust Collectors/Manifold

Only One required.

| | | | | |
|----|---------|--|--|---------|
| 34 | EXHB001 | BOLTED EXHAUST FLANGE(S) 0 ** DEFAULT OFFERING ** Shipped loose. TECHNICAL: Provides bolted flange (ANSI 6"/DIN 150) with bellows for each turbo (Qty 4). F/U/W 50HZ | | \$2,661 |
|----|---------|--|--|---------|

| | | | | |
|---|---------|---|--|---------|
| 34 | EXHC005 | 18" VERTICAL EXHST COLLECTOR. 0 ** DEFAULT OFFERING ** Shipped loose. TECHNICAL: Provides adapters from turbo to dual 18in. ANSI flanges. F/U/W: 60HZ | | \$6,810 |
| NOTE: Customer must supply support for fittings & adapters. | | | | |

| | | | | |
|----|---------|---|--|----------|
| 34 | EXHC002 | 16" VERTICAL EXHAUST COLLECTOR. 0 Partially installed. TECHNICAL: Provides adapters from turbo to 16" ANSI flange, vertical flange. F/U/W 50HZ | | \$11,526 |
|----|---------|---|--|----------|

| | | | | |
|----|---------|---|--|---------|
| 34 | EXHC003 | 16" HORIZONTAL EXHST COLLECTOR. 0 Partially installed. TECHNICAL: Provides adapters from turbo to 16" ANSI flange, horizontal flange. F/U/W 50HZ | | \$9,299 |
|----|---------|---|--|---------|

| | | | | |
|----|---------|---|--|----------|
| 34 | EXHC004 | 24" VERTICAL EXHST COLLECTOR 0 Shipped loose. TECHNICAL: Provides adapters from turbo to 24in. ANSI flange. F/U/W 50HZ | | \$13,527 |
|----|---------|---|--|----------|

| | | | | |
|---|---------|--|--|----------|
| 34 | EXHC006 | 24" VERTICAL EXHST COLLECTOR 0 Shipped loose. TECHNICAL: Provides adapters from dual 18in. ANSI flange adapters to 24in. ANSI flange. F/U/W: 60HZ | | \$10,508 |
| NOTE: Customer must supply support for fittings & adapters. | | | | |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

EXHAUST SYSTEM (CONT.)

Mufflers

Shipped loose. Refer to TMI for performance.

| | | | | |
|----|---------|---|--|----------|
| 34 | MUF0037 | 15 DBA SILENCER 0 TECHNICAL: 15 dBA silencer - 406mm (16in). Industrial grade. Provides two mufflers with 16in ANSI flange. Side inlet - end outlet. Apx dimensions L = 2464, D = 915. F/U/W 50HZ | | \$8,817 |
| 34 | MUF0038 | 25 DBA SILENCER 0 TECHNICAL: 25 dBA silencer - - Dual 406mm (16in). Residential grade. Side inlet - end outlet. Apx dimensions L = 3378, D = 915. F/U/W 50HZ | | \$11,715 |
| 34 | MUF0039 | 34 DBA SILENCER 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. F/U/W 50HZ | | \$13,648 |
| 34 | MUF0049 | 15 DBA SILENCER 0 TECHNICAL: 15 dBA silencer - Dual 457mm (18in). Industrial grade. Provides two mufflers with 18" ANSI flanges and 2 weld-flanges with fasteners. Side inlet - end outlet. Apx dimensions L = 2565, D = 1067. F/U/W 60HZ | | \$11,680 |
| 34 | MUF0050 | 15 DBA SILENCER 0 TECHNICAL: 15 dBA silencer - 610mm (24in). Industrial grade. Provides muffler with 24" ANSI flange and 1- weld flange with fasteners. Side inlet - end outlet. Apx dimensions L = 2591, D = 1219. F/U/W 50/60 HZ | | \$8,715 |
| 34 | MUF0051 | 25 DBA SILENCER 0 TECHNICAL: 25 dBA silencer - - Dual 457mm (18in). Residential grade. Provides 2 - 18in mufflers with 2- weld flanges and fasteners. Side inlet - end outlet. Apx dimensions L = 3441, D = 1067. F/U/W 60 HZ | | \$15,324 |
| 34 | MUF0052 | 25 DBA SILENCER 0 TECHNICAL: 25 dBA silencer - 610mm (24in). Residential grade. Provides muffler with 24in ANSI flange and 1- weld flange with fasteners. Side inlet - end outlet. Apx dimensions L = 3200, D = 1219. F/U/W 50/60 HZ | | \$10,647 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

EXHAUST SYSTEM (CONT.)

Mufflers (Cont.)

| | | | | |
|----|---------|---|--|----------|
| 34 | MUF0053 | 34 DBA SILENCER 0 TECHNICAL: 34 dBA silencer - Dual 457mm (18in). Critical grade. Provides 2 - mufflers with 18in ANSI flanges and 2- weld flanges with fasteners. Side inlet - end outlet. Apx dimensions L = 4356, D = 1067. F/U/W 60 HZ | | \$19,128 |
| 34 | MUF0054 | 34 DBA SILENCER 0 TECHNICAL: 34 dBA silencer - 610mm (24in). Critical grade. Provides muffler with 24" ANSI flange and 1- weld flange with fasteners. Side inlet - end outlet. Apx dimensions L = 4572, D = 1372. F/U/W 50/60 HZ | | \$16,805 |

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 | FFFWS02 | PRIMARY FUEL FILTER 0 ** DEFAULT OFFERING ** Shipped loose. TECHNICAL: Provides three spin-on primary fuel filters. 10 Micron. Provisions to package mount. | | \$2,452 |
|----|---------|---|--|---------|

GENERAL

| | | | | |
|----|--------|--|--|-----------|
| 34 | SPCNT1 | SPECIAL PAINT 0 Colors (other than Caterpillar yellow) or high performance paints. | | \$684 NET |
|----|--------|--|--|-----------|

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

GENERAL (CONT.)

| | | | | |
|----|--------|---|--|----|
| 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 |
|----|--------|---|--|----|

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 |
| 34 | BARGP02 | BARRING GROUP MANUAL 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 | BARRING GROUP MANUAL 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 | ENGINE BARRING AIR POWERED 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 | CONTROL GP-AIRPOWERED BAR GRP. 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 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

GENERATORS AND GENERATOR ATTACHMENTS

GENERATORS 50Hz
3 Phase FW, PM
No. of Leads = 6
Pitch = .6667
3000 FRAME

Generator Table (MV)

50 HZ, 3300 VOLTS (Cont)

| Description | Code | Standby | Prime | Cont | PGS | Generator | Frame |
|-------------|-------|---------|-------|------|---------|-----------|-------|
| FW PM | 4000F | 130 | 105 | 105 | 175DE2T | OGNPMPH | 3055 |
| | | 130 | --- | --- | 175DE3K | OGNPMPH | 3055 |
| | | 105 | --- | --- | 175DE2T | OGNPMPJ | 3066 |
| | | 105 | --- | --- | 175DE3K | OGNPMPJ | 3066 |
| | | 105 | 80 | 80 | 175DE2T | OGNPMPK | 3068 |
| | | 105 | --- | --- | 175DE3K | OGNPMPK | 3068 |
| FW PM | 3900F | 130 | 105 | 105 | 175DE2S | OGNPMPH | 3055 |
| | | 130 | --- | --- | 175DE3J | OGNPMPH | 3055 |
| | | 105 | --- | --- | 175DE2S | OGNPMPJ | 3066 |
| | | 105 | --- | --- | 175DE3J | OGNPMPH | 3066 |
| | | 105 | 80 | 80 | 175DE2S | OGNPMPK | 3068 |
| | | 105 | --- | --- | 175DE3J | OGNPMPH | 3068 |

Generator Feature Codes (MV)
 50HZ, 3300 VOLTS
 F/U/W 175DE1K

| | | | | |
|-----------|----------------|---|----------|------------------|
| 34 | OGNPMPH | GENERATOR 3055 FRAME 2 BRG | 0 | \$281,409 |
| | | ** DEFAULT OFFERING ** | | |
| | | Generator Argt = 331-3034. | | |
| 34 | OGNPMPJ | GENERATOR 3066 FRAME 2 BRG | 0 | \$312,653 |
| | | Generator Argt=262-8286 | | |
| 34 | OGNPMPK | GENERATOR 3068 FRAME 2 BRG | 0 | \$350,631 |
| | | Generator Argt = 262-8296. | | |

Generator Tables (HV)
50 HZ, 6300/6600/6900/10000/10500/11000 VOLTS (HV)
50 HZ, 6300, 6600, 6900 VOLTS

| USE | REF NO. | OPTIONAL ATTACHMENTS | | | | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|--|--|--|-----------------|-----------------------|
|-----|---------|----------------------|--|--|--|-----------------|-----------------------|

GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

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

| Description | Code | Standby | Prime | Cont | PGS | Generator | Frame |
|-------------|-------|---------|-------|------|---------|-----------|-------|
| FW PM | 4000F | 130 | 105 | 105 | 175DE2V | OGNPMPL | 3055 |
| | | 130 | --- | --- | 175DE3M | OGNPMPL | 3055 |
| | | 105 | --- | --- | 175DE2V | OGNMPMP | 3066 |
| | | 105 | --- | --- | 175DE3M | OGNMPMP | 3066 |
| | | 105 | 80 | 80 | 175DE2V | OGNMPMPN | 3068 |
| | | 105 | --- | --- | 175DE3M | OGNMPMPN | 3068 |
| FW PM | 3900F | 130 | 105 | 105 | 175DE2U | OGNPMPL | 3055 |
| | | 130 | --- | --- | 175DE3L | OGNPMPL | 3055 |
| | | 105 | --- | --- | 175DE2U | OGNMPMP | 3066 |
| | | 105 | --- | --- | 175DE3L | OGNMPMP | 3066 |
| | | 105 | 80 | 80 | 175DE2U | OGNMPMPN | 3068 |
| | | 105 | --- | --- | 175DE3L | OGNMPMPN | 3068 |

50 HZ, 10,000 VOLTS

| Description | Code | Standby | Prime | Cont | PGS | Generator | Frame |
|-------------|-------|---------|---------|----------|---------|-----------|-------|
| FW PM | 4000F | 130 | 105 | 105 | 175DE2V | OGNPMPP | 3055 |
| | | 130 | --- | --- | 175DE3M | OGNPMPP | 3055 |
| | | 105 | --- | --- | 175DE2V | OGNPMPPQ | 3066 |
| | | 105 | --- | --- | 175DE3M | OGNPMPPQ | 3066 |
| | | 105 | 80 | 80 | 175DE2V | OGNPMPPR | 3068 |
| FW PM | 3900F | 130 | 105 | 105 | 175DE2U | OGNPMPP | 3055 |
| | | 130 | --- | --- | 175DE3L | OGNPMPP | 3055 |
| | | 105 | --- | --- | 175DE2U | OGNPMPPQ | 3066 |
| | | 105 | --- | --- | 175DE3L | OGNPMPPQ | 3066 |
| | | 105 | 80 | 80 | 175DE2U | OGNPMPPR | 3068 |
| 105 | --- | --- | 175DE3L | OGNPMPPR | 3068 | | |

50 HZ, 10,500, 11,000 VOLTS

| Description | Code | Standby | Prime | Cont | PGS | Generator | Frame |
|-------------|-------|---------|-------|------|---------|-----------|-------|
| FW PM | 4000F | 130 | 105 | 105 | 175DE2V | OGNPMPS | 3055 |
| | | 130 | --- | --- | 175DE3M | OGNPMPS | 3055 |
| | | 105 | --- | --- | 175DE2V | OGNPMPT | 3066 |
| | | 105 | --- | --- | 175DE3M | OGNPMPT | 3066 |
| | | 105 | 80 | 80 | 175DE2V | OGNPMPTU | 3068 |
| | | 105 | --- | --- | 175DE3M | OGNPMPTU | 3068 |
| FW PM | 3900F | 130 | 105 | 105 | 175DE2U | OGNPMPS | 3055 |
| | | 130 | --- | --- | 175DE3L | OGNPMPS | 3055 |
| | | 105 | --- | --- | 175DE2U | OGNPMPT | 3066 |
| | | 105 | --- | --- | 175DE3L | OGNPMPT | 3066 |
| | | 105 | 80 | 80 | 175DE2U | OGNPMPTU | 3068 |
| | | 105 | --- | --- | 175DE3L | OGNPMPTU | 3068 |

**GENERATOR Feature Code (HV)
50 Hz, 6300, 6600, 6900, 10000, 10500, 11000 VOLTS**

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

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

| | | | | |
|----|---------|---|--|-----------|
| 34 | OGNPML | GENERATOR 3055 FRAME 2 BRG 0 Generator Arg = 331-3058. | | \$316,745 |
| 34 | OGNPMPM | GENERATOR 3066 FRAME 2 BRG 0 Generator Arg=262-8294 | | \$335,640 |
| 34 | OGNPMPN | GENERATOR 3068 FRAME 2 BRG 0 Generator Arg = 262-8304. | | \$379,347 |
| 34 | OGNPMPD | GENERATOR 3055 FRAME 2 BRG 0 Generator Arg = 331-3046. | | \$333,034 |
| 34 | OGNPMPQ | GENERATOR 3066 FRAME 2 BRG 0 Generator Arg=262-8288 | | \$342,322 |
| 34 | OGNPMPR | GENERATOR 3068 FRAME 2 BRG 0 Generator Arg = 262-8298. | | \$388,036 |
| 34 | OGNPMPD | GENERATOR 3055 FRAME 2 BRG 0 ** DEFAULT OFFERING ** Generator Arg = 331-3052. | | \$320,278 |
| 34 | OGNPMPD | GENERATOR 3066 FRAME 2 BRG 0 Generator Arg = 262-8290. | | \$335,826 |
| 34 | OGNPMPU | GENERATOR 3068 FRAME 2 BRG 20,043 Generator Arg = 262-8300. | | \$372,617 |

**GENERATORS 60Hz
3 Phase FW, PM
No. of Leads = 6
Pitch = .6667
3000 FRAME**

Generator Table (MV)

60 HZ, 4160 VOLTS

| Description | Code | Standby | Prime | Cont | PGS | Generator | Frame |
|-------------|-------|---------|-------|------|------------|-----------|-------|
| FW PM | 4000S | 130 | 105 | 105 | 175DE1F/1H | OGNPMNW | 3055 |
| | | 105 | --- | --- | 175DE1F/1H | OGNPMNX | 3066 |
| | | 105 | 80 | 80 | 175DE1F/1H | OGNPMNY | 3068 |
| FW PM | 3900S | 130 | 130 | 105 | 175DE1M/1P | OGNPMNW | 3055 |
| | | 105 | --- | --- | 175DE1M/1P | OGNPMNX | 3066 |
| | | 105 | 80 | 80 | 175DE1M/1P | OGNPMNY | 3068 |

Generator Feature Codes (MV)
60 HZ, 4160 VOLTS
F/U/W 175DE1H

| | | | | |
|----|---------|---|--|-----------|
| 34 | OGNPMNW | GENERATOR 3055 FRAME 2 BRG 0 ** DEFAULT OFFERING ** Generator Arg = 331-3034. | | \$281,409 |
| 34 | OGNPMNX | GENERATOR 3066 FRAME 2 BRG 0 Generator Arg = 262-8286 | | \$312,653 |
| 34 | OGNPMNY | GENERATOR 3068 FRAME 2 BRG 0 Generator Arg = 262-8296. | | \$350,631 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | | | | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|--|--|--|-----------------|-----------------------|
|-----|---------|----------------------|--|--|--|-----------------|-----------------------|

GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

Generator Tables (HV)

60 HZ, 6300 - 6600 - 6900 VOLTS

| Description | Code | Standby | Prime | Cont | PGS | Generator | Frame |
|-------------|-------|---------|-------|------|------------|-----------|-------|
| FW PM | 4000S | 130 | 105 | 105 | 175DE1G/1J | OGNPMNZ | 3055 |
| | | 105 | --- | --- | 175DE1G/1J | OGNPMPA | 3066 |
| | | 105 | 80 | 80 | 175DE1G/1J | OGNPMPB | 3068 |
| FW PM | 3900S | 130 | 105 | 105 | 175DE1N/1Q | OGNPMNZ | 3055 |
| | | 105 | --- | --- | 175DE1N/1Q | OGNPMPA | 3066 |
| | | 105 | 80 | 80 | 175DE1N/1Q | OGNPMPB | 3068 |

60 HZ, 12470 VOLTS

| Description | Code | Standby | Prime | Cont | PGS | Generator | Frame |
|-------------|-------|---------|-------|------|------------|-----------|-------|
| FW PM | 4000S | 130 | 105 | 105 | 175DE1G/1J | OGNPMPC | 3055 |
| | | 105 | --- | --- | 175DE1G/1J | OGNPMPD | 3066 |
| | | 105 | 80 | 80 | 175DE1G/1J | OGNPMPPE | 3068 |
| FW PM | 3900S | 130 | 105 | 105 | 175DE1N/1Q | OGNPMPC | 3055 |
| | | 105 | --- | --- | 175DE1N/1Q | OGNPMPD | 3066 |
| | | 105 | 80 | 80 | 175DE1N/1Q | OGNPMPPE | 3068 |

60 HZ, 13200 & 13800 VOLTS

| Description | Code | Standby | Prime | Cont | PGS | Generator | Frame |
|-------------|-------|---------|-------|------|------------|-----------|-------|
| FW PM | 4000S | 130 | 105 | 105 | 175DE1G/1J | OGNPMPF | 3055 |
| | | 105 | --- | --- | 175DE1G/1J | OGNPMPG | 3066 |
| | | 105 | 80 | 80 | 175DE1G/1J | OGNPMPV | 3068 |
| FW PM | 3900S | 130 | 105 | 105 | 175DE1N/1Q | OGNPMPF | 3055 |
| | | 105 | --- | --- | 175DE1N/1Q | OGNPMPG | 3066 |
| | | 105 | 80 | 80 | 175DE1N/1Q | OGNPMPV | 3068 |

Generator Feature Codes (HV):

**60 HZ, 6300, 6600, 6900, 12470, 13200, 13800 VOLTS
3000 Frame**

| | | | | |
|----|----------|----------------------------|---|-----------|
| 34 | OGNPMNZ | GENERATOR 3055 FRAME 2 BRG | 0 | \$304,983 |
| | | Generator Argt = 331-3040. | | |
| 34 | OGNPMPA | GENERATOR 3066 FRAME 2 BRG | 0 | \$322,960 |
| | | Generator Argt = 262-8292 | | |
| 34 | OGNPMPB | GENERATOR 3068 FRAME 2 BRG | 0 | \$364,579 |
| | | Generator Argt = 262-8302. | | |
| 34 | OGNPMPC | GENERATOR 3055 FRAME 2 BRG | 0 | \$333,034 |
| | | ** DEFAULT OFFERING ** | | |
| | | Generator Argt = 331-3046. | | |
| 34 | OGNPMPD | GENERATOR 3066 FRAME 2 BRG | 0 | \$342,322 |
| | | Generator Argt = 262-8288 | | |
| 34 | OGNPMPPE | GENERATOR 3068 FRAME 2 BRG | 0 | \$388,036 |
| | | Generator Argt = 262-8298. | | |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

60 HZ, 12470 VOLTS (Cont.)

| | | | | |
|----|---------|---|--|-----------|
| 34 | OGNPMPF | GENERATOR 3055 FRAME 2 BRG 0 Generator Argt = 331-3052. | | \$320,278 |
| 34 | OGNPMPG | GENERATOR 3066 FRAME 2 BRG 0 Generator Argt = 262-8290 | | \$335,826 |
| 34 | OGNPMPV | GENERATOR 3068 FRAME 2 BRG 20,043 Generator Argt = 262-8300. | | \$372,617 |

GENERATOR OPTIONS

| | | | | |
|----|---------|--|--|---------|
| 34 | CVR0027 | COVER GP..... 0 ** DEFAULT OFFERING ** TECHNICAL: Provides cover when Space Heater Thermostat (SHKTHM0) is not selected. | | NC |
| 34 | SHKTHM0 | THERMOSTAT FOR SPACE HEATER 0 TECHNICAL: For automatic control of space heater. | | \$1,239 |

Generator Air Cleaner

| | | | | |
|----|---------|---|--|---------|
| 34 | CVR0054 | COVER GP-GEN EXCITER-300..... 0 ** DEFAULT OFFERING** TECHNICAL: Provides cover when Gen Air Cleaner (GNAIF06) is not selected. | | \$2,608 |
| 34 | GNAIF06 | AIR FILTER - 3000 FRAME GEN 0 TECHNICAL: Provides air cleaner for generator. | | \$6,761 |

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.

DCT - 15 kV Class

REQUIRES: 10000/10500/11000 Volts 50 Hz or 12470/13200/13800 Volts. 60 Hz generator

| | | | | |
|----|---------|--|--|---------|
| 34 | DCT0002 | DIFF CURR TRANS, 200:5 RATIO 64 TECHNICAL: FLA 151-200. ANSI Relay Class: C20. | | \$2,134 |
| 34 | DCT0016 | DIFF CURR TRANS, 300:5 RATIO 0 TECHNICAL: FLA 201-300. ANSI Relay Class: C20. | | \$2,120 |

DCT - 9 kV Class

REQUIRES: 6300/6600/6900 Volts 50 Hz or 60 Hz generator.

| | | | | |
|----|---------|--|--|---------|
| 34 | DCT0005 | DIFF CURR TRANS, 400:5 RATIO 64 TECHNICAL: FLA 301-400. ANSI Relay Class: C50. | | \$1,937 |
| 4 | DCT0014 | DIFF CURR TRANS, 500:5 RATIO 0 TECHNICAL: FLA 401-500. ANSI Relay Class: C50. | | \$1,787 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

GENERATORS AND GENERATOR ATTACHMENTS (CONT.)

DCT - 9 kV Class (Cont.)

| | | | | |
|----|---------|--|--|---------|
| 34 | DCT0015 | DIFF CURR TRANS, 600:5 RATIO 0 TECHNICAL: TECHNICAL: FLA 501-600. ANSI Relay Class: C50. | | \$1,787 |
|----|---------|--|--|---------|

DCT - 5 kV Class

REQUIRES: 3300 Volts 50 Hz or 4160 Volts 60 Hz generator

| | | | | |
|----|---------|---|--|---------|
| 34 | DCT0013 | DIFF CURR TRANS, 800:5 RATIO 0 TECHNICAL: FLA 601-800. ANSI Relay Class: C50. | | \$1,545 |
|----|---------|---|--|---------|

INSTRUMENTATION

Pyrometers

Select one.

| | | | | |
|----|---------|--|--|----------|
| 34 | WIRGP27 | HARNESS - ECM INTERCONNECT 0 ** DEFAULT OFFERING ** Provides engine harness w/o pyrometer and thermocouples. REQUIRES: 50 Hz CANNOT BE USED WITH: TCO0014. | | \$12,494 |
|----|---------|--|--|----------|

| | | | | |
|----|---------|--|--|----------|
| 34 | WIRGP34 | HARNESS - ECM INTERCONNECT 0 ** DEFAULT OFFERING ** Provides engine harness w/o pyrometer and thermocouples. REQUIRES: 60 Hz CANNOT BE USED WITH: TCO0036. | | \$12,494 |
|----|---------|--|--|----------|

| | | | | |
|----|---------|---|--|----------|
| 34 | TCO0014 | 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. REQUIRES: 50 Hz | | \$22,738 |
|----|---------|---|--|----------|

| | | | | |
|----|---------|--|--|----------|
| 34 | TCO0036 | 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. REQUIRES: 60 Hz | | \$22,738 |
|----|---------|--|--|----------|

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

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

LUBE SYSTEM (CONT.)

Lube Oil Heater (Cont.)

| | | | | |
|----|---------|--|---|----------|
| 34 | ELEPP40 | LUBE OIL HTR - 220V W/O EXRVAL 0 Heater is shipped loose. TECHNICAL: 220V 50Hz 6KW single phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$12,705 |
| 34 | ELEPP39 | LUBE OIL HTR - 208V W/O EXRVAL 0 Heater is shipped loose. TECHNICAL: 208V 60Hz 6KW single phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$12,505 |
| 34 | ELEPP42 | LUBE OIL HTR - 240V W/O EXRVAL 0 Heater is shipped loose. TECHNICAL: 240V 60Hz 6KW three phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$12,505 |
| 34 | ELEPP43 | LUBE OIL HTR - 480V W/O EXRVAL 0 Heater is shipped loose. TECHNICAL: 480V 60Hz 6KW three phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$12,505 |
| 34 | ELEPP41 | OIL HTR - 240V 1 PH W/O EXRVAL 0 Heater is shipped loose. TECHNICAL: 240V 60Hz 6KW single phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$12,505 |

Lube oil heaters with crankcase explosion relief valve

| | | | | |
|----|---------|--|---|----------|
| 34 | ELEPP35 | LUBE OIL HTR - 220V W/EXRVAL 0 Heater is shipped loose. TECHNICAL: 220V 50Hz 6KW single phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$13,159 |
| 34 | ELEPP34 | LUBE OIL HTR - 208V W/EXRVAL 0 Heater is shipped loose. TECHNICAL: 208V 60Hz 6KW single phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$12,958 |
| 34 | ELEPP37 | LUBE OIL HTR - 240V W/EXRVAL 0 Heater is shipped loose. TECHNICAL: 240V 60Hz 6KW three phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$12,958 |
| 34 | ELEPP38 | LUBE OIL HTR - 480V W/EXRVAL 0 Heater is shipped loose. TECHNICAL: 480V 60Hz 6KW three phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$12,958 |
| 34 | ELEPP36 | OIL HTR - 240V 1PH W/EXRVAL 0 Heater is shipped loose. TECHNICAL: 240V 60Hz 6KW single phase. CANNOT BE USED WITH: CVR0065 and EXRVAL19. | 0 | \$12,958 |

Drain Groups

One required.

| | | | | |
|----|---------|--|---|-------|
| 34 | LUBOD13 | DRAIN GP OIL PAN 0 ** DEFAULT OFFERING ** Provides oil drain with hose and valve terminated at frame. TECHNICAL: Installed. | 0 | \$101 |
|----|---------|--|---|-------|

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|--|---------|---|-----------------|-----------------------|
| LUBE SYSTEM (CONT.) | | | | |
| <i>Oil Pan(s)</i> One required. | | | | |
| 34 | OILPN03 | STANDARD SUMP OIL PAN 0 ** DEFAULT OFFERING 1800 Frame Generator ** TECHNICAL: Provides oil pan for 600-hour oil change interval. | | \$10,992 |
| <i>Lube Oil (Optional)</i> | | | | |
| 34 | LUBOI30 | LUBRICATING OIL 0 ** DEFAULT OFFERING ** Provides C175 engine lube oil. | | \$3,938 |
| 34 | LUBRM06 | LUBE OIL REMOVAL 0 ONLY FOR USE WITH: Standard oil sump. | | NC |
| <i>Electric Prelube Pumps</i> One required. | | | | |
| 34 | ELEPP33 | ELECTRIC PRELUBE PUMP 0 ** DEFAULT OFFERING ** 24V DC. Installed. Intermittent duty - adds approximately 60 seconds to start time. ONLY FOR USE WITH: standard oil pan. | | \$7,427 |
| <i>Oil Filters</i> One required. | | | | |
| 34 | SPLX03 | FILTER GROUP-PRIMARY OIL 0 ** DEFAULT OFFERING ** Right hand service. Three-element canister filter system. 600-hour life. | | \$21,621 |
| CRANKCASE SYSTEMS | | | | |
| <i>Explosion Relief Valves</i> One required if lube oil heater is not selected. | | | | |
| 34 | CVR0065 | NO EXPLOSION RELIEF VALVE 0 ** DEFAULT OFFERING ** Provides 18 covers and oil fill. Does not provide crankcase protection. CANNOT BE USED WITH: EXRVL19 or any Lube Oil Heater. | | \$1,242 |
| 34 | EXRVL19 | EXPLOSION RELIEF VALVE 0 For crankcase protection. CANNOT BE USED WITH: CVR0065 or any Lube Oil Heater. | | \$1,697 |
| <i>Crankcase Ventilation System</i> One required. | | | | |
| 34 | FUMDS01 | FUMES DISPOSAL 0 ** DEFAULT OFFERING ** Provides fumes disposal. | | \$996 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

MOUNTING SYSTEM

Shipped Loose
Must select one

Rubber Anti-Vibration Mounts

| | | | | |
|---|---------|---|--|---------|
| 4 | VIBIS72 | VIBRATION ISOLATORS - RUBBER 0 ** DEFAULT OFFERING ** TECHNICAL: Shipped loose; rubber vibration isolators. Approximately 90% efficient. | | \$843 |
| 3 | VIBIS0A | VIBRATION ISOLATORS - RUBBER 0 ** DEFAULT OFFERING ** TECHNICAL: Shipped loose; rubber vibration isolators. Approximately 90% efficient. | | \$1,084 |

No Factory Vibration Isolators

| | | | | |
|----|---------|--------------------------|--|----|
| 34 | NOIS001 | NO ISOLATORS 0 | | NC |
|----|---------|--------------------------|--|----|

Spring Type Linear Vibration Isolators

| | | | | |
|---|---------|---|--|---------|
| 4 | VIBIS71 | VIBRATION ISOLATORS-SPRINGTYPE 0 TECHNICAL: Shipped loose; spring-type vibration isolators with 95% efficiency. | | \$3,084 |
| 3 | VIBIS0B | VIBRATION ISOLATORS - SPRING T 0 TECHNICAL: Shipped loose; spring-type vibration isolators With 95% efficiency. | | \$3,834 |

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.

| | | | | |
|---|---------|---|--|----------|
| 4 | VIBIS70 | VIBRATION ISOLATORS - IBC 0 TECHNICAL: Shipped loose; spring-type Seismic Isolators. | | \$16,340 |
|---|---------|---|--|----------|

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

SPECIAL TESTS/REPORTS

Special Tests/Reports

| | | | | |
|----|---------|--|--|------------------|
| 34 | TRSGEN1 | <p>GENERATOR TEST REPORT 0</p> <p>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.</p> <p>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.</p> | | \$324 NET |
| 34 | TRSGEN2 | <p>PGS TEST REPORT @ 1.0 PF. 0</p> <p>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.</p> | | \$324 NET |
| 34 | TRSGEN7 | <p>PGS TEST REPORT @ 0.8 PF. 0</p> <p>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.</p> | | \$324 NET |
| 34 | TVATRS1 | <p>STANDARD GENSET TVA REPORT 0</p> <p>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.</p> | | \$382 NET |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

SPECIAL TESTS/REPORTS (CONT.)

Special Tests/Reports (Cont.)

| | | | |
|----|---------|---|--------------------|
| 34 | TVATRS2 | GEN SET TORS VIB ANALYSIS 0 NOTE: Consult factory on compound and tandem installations. There may be additional charges for analysis of applications where more than one engine drives a single load. A separate torsional analysis is required for each engine with different driven equipment in multiple engine installations. One complete set of technical data (see below) must be submitted to Caterpillar before calculations are undertaken. The report will include a mathematical determination of the natural frequency, critical speeds, relative amplitudes of angular displacement, approximate nodal locations of the complete elastic system (both engine and driven equipment). NOTE: IF ALL TECHNICAL DATA REQUIRED IS NOT RECEIVED, ANALYSIS MAY BE DELAYED UNTIL THE MISSING INFORMATION IS PROVIDED. TECHNICAL DATA REQUIRED. 1. The operating speed range. 2. Load demand curve on sets which have a load dependent variable rigidity coupling. 3. General arrangement drawing or sketch of complete system, including data on special crankshaft pulleys and equipment driven from front of engine. 4. With driven equipment on both ends of the engine, the horsepower demand of each end is required. In addition, simultaneous front and rear horsepower (maximum engine load) is required. 5. Make, model, WR2 and torsional rigidity on all couplings used between the engine and driven equipment. 6. WR2 of each rotating mass. Weight of each reciprocating mass. (Needed for all pumps, compressors, gears, pinions, propellers.) 7. Torsional rigidity and minimum shaft diameter or detailed dimensions of all shafting in the driven system whether separately mounted or installed in a housing. ADDITIONALLY, if an order has not been placed, the following information must also be submitted: 1. Damper part number (not top level or pricing arrgt.) 2. Flywheel part number (not top level or pricing arrgt.) 3. Horsepower 4. Operating speed 5. Coupling part number; or indicate one or two-bearing. | \$1,047 NET |
|----|---------|---|--------------------|

| | | | |
|----|---------|--|--------------------|
| 34 | TSP0001 | FUEL CONSUMPTION TEST 0 Fuel rate and specific fuel consumption determined at 3 points at rated speed (full load, three quarters load, and half load.) This 0P1511 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. | \$1,039 NET |
|----|---------|--|--------------------|

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

SPECIAL TESTS/REPORTS (CONT.)

Special Tests/Reports (Cont.)

| | | | | |
|----|---------|---|--|--------------------|
| 34 | TSP0002 | GENSET FUEL CONSUMPTION TEST 0 Test will be performed in accordance with 0P1513 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. | | \$1,039 NET |
| 34 | TRSENG1 | STD ENGINE TEST CHARGE 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. | | \$324 NET |

SPECIAL PACKING/INSPECTIONS FOR SHIPMENT

Domestic Packing For Export

| | | | | |
|----|---------|--|--|-----------|
| 34 | DPX0001 | DOMESTIC PACK-EXPORT CONTAINER. 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. | | NC |
| 34 | DPX0002 | DOMESTIC PACK FOR EXPORT 0 Does not include any packing. Only adds markings for export shipment. REQUIRES: Optional ship-loose radiator for 46 and above. ONLY FOR USE WITH: Engines/gensets or miscellaneous parts and attachments (all models on rails or requiring skids). | | NC |

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.

| | | | | |
|------|---------|---|--|------------------|
| 3434 | SWP0001 | SHRINK WRAP PROTECTION 0 ONLY FOR USE WITH: Non-oceanic shipping. | | \$315 NET |
|------|---------|---|--|------------------|

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

SPECIAL PACKING/INSPECTIONS FOR SHIPMENT (CONT.)

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 | SWPTRP2 | SHRINK WRAP AND TARP PROTECTN | 0 | \$1,634 NET |
|----|---------|---|---|-------------|

Export Boxing

| | | | | |
|----|---------|--------------------------------|---|-------------|
| 34 | EXB0010 | BOX FOR EXPORT W/PGS | 0 | \$1,695 NET |
|----|---------|--------------------------------|---|-------------|

| | | | | |
|----|---------|--|---|----|
| 34 | EXP0003 | PACK FOR AIR FREIGHT | 0 | NC |
| | | Provides labels and documents for air freight. ONLY FOR USE WITH: Engines/gensets or miscellaneous parts and attachments--all models. | | |

Storage Preservation

| | | | | |
|----|---------|---|---|-------------|
| 34 | SRP0014 | PRESERVATION - CORROSION INHIB | 0 | \$1,369 NET |
| | | 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. | | |

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.

| | | | | |
|----|---------|---|---|-----------|
| 34 | MISCHC1 | SGS INSPECTION | 0 | \$432 NET |
| | | S.G.S. inspection covers all contents of a given order. | | |
| 34 | MISCHC2 | MISCELLANEOUS INSPECTION. | 0 | \$432 NET |
| | | All other inspection agencies. Specify agency name, address, contact, and phone number. | | |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

STARTING/CHARGING SYSTEM

Electric Starting Motors - 24 Volt

Required - Select one.

| | | | | |
|----|---------|--|--|---------|
| 34 | ELSM240 | ELECTRIC STARTING MOTOR 24 V 0 ** DEFAULT OFFERING ** 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). | | \$2,450 |
| 34 | ELSM241 | ELECTRIC STARTING MOTOR 24 V 0 TECHNICAL: Provides 2 sets of dual 50MT 24V DC starters mounted on RH and LH starter locations. For use in -30 to 20C (-22 to 68F) ambient. Configurable in Cat ET service tool for either combined 4-starter cranking or 2 separate pairs - one set as primary and the other set as backup. Starting aids recommended for below 0 C (32F). Requires two sets of batteries, battery racks and battery cables. CANNOT BE USED WITH: Barring devices. | | \$5,538 |

Air Starting Motor

Cannot be used in conjunction with electric starting motor.

| | | | | |
|----|---------|--|--|---------|
| 34 | ASM0014 | AIR STARTING MOTOR-TURBINE-RH. 0 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. | | \$6,172 |
|----|---------|--|--|---------|

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 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. | | \$1,367 |
|----|---------|--|--|---------|

Covers - Starter Locations

Required - Select one.

| | | | | |
|----|---------|---|--|------|
| 34 | CVR0023 | COVER GP - STARTER LOCATION 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 | NCVR001 | COVER GP - STARTER LOCATION 0 Provides No cover group. ONLY FOR USE WITH: Redundant Electric Start (ELSM241). CANNOT BE USED WITH: Dual Electric Start (ELSM240). | | NC |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

STARTING/CHARGING SYSTEM (CONT.)

Covers - Starter Locations (Cont.)

| | | | | |
|----|---------|--|--|------|
| 34 | CVR0022 | COVER GP - STARTER LOCATION 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 | COVER GP - STARTER LOCATION 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 | CVR0056 | COVER GP - STARTER LOCATION 0 Provides 2 x cover groups. REQUIRES: Air Start and barring device BARGP01. CANNOT BE USED WITH: Redundant Electric Start (ELSM241). | | \$48 |
| 34 | CVR0057 | COVER GP - STARTER LOCATION 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). | | \$35 |
| 34 | CVR0024 | COVER GP - STARTER LOCATION 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 | 24 VOLT BATTERY SET-DRY (6) 0 ** DEFAULT OFFERING ** 4200 CCA rating, 570 ampere hours. Includes 6 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: ELSM241. | | \$4,931 |
| 34 | BAT2437 | 24 VOLT BATTERY SET-DRY (4) 0 Provides two(2) sets of the following: 2800 CCA rating, 380 ampere hours. 4 12 Volt batteries. Racks and Cables. TECHNICAL: -30C to 0C (-22F to 32F) when starters are configured for combined 4-starter cranking. Not recommended below 10C (50F) when starters are configured for 2-starter cranking. Starting aids recommended below 0 C (32 F). Jacket water heater recommended for 10-second starting below 20C (68F). ONLY FOR USE WITH: Redundant Start Option. CANNOT BE USED WITH: ELSM240. | | \$6,782 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|-----|---------|----------------------|-----------------|-----------------------|
|-----|---------|----------------------|-----------------|-----------------------|

STARTING/CHARGING SYSTEM (CONT.)

Battery Sets - 24 Volt - Dry (Cont.)

| | | | | |
|----|---------|---|--|---------|
| 34 | BAT1207 | HEAVY DUTY BATTERY SET W/RACK 0 Provides two(2) sets of the following for use with redundant starters: 4200 CCA rating, 570 ampere hours. 6 12 Volt 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 | NO BATTERIES RACK OR CABLE 0 TECHNICAL: This option does not provided any batteries, battery racks or battery cables. CANNOT BE USED WITH: BAT1213, BAT1206 or BAT1207. | | NC |

Battery Chargers

BTC20A2 BATTERY CHARGER 20 AMP USE CODE = (34)
 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 | BATTERY CHARGER 20 AMP 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 |
| 34 | BTC3500 | BATTERY CHARGER 35 AMP 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 |

NOTE: Meets NFPA 110 Level 1 (24 hour) Recharge Time Requirement when used with BAT1202 four (4) battery set.

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

Battery Chargers (Cont.)

| | | | | |
|----|---------|---|--|----------------|
| 34 | BTC5000 | BATT CHARGER 50A NFPA 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 |
|----|---------|---|--|----------------|

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

Jacket Water Heaters

Required - Select one

| | | | | |
|----|---------|--|--|----------------|
| 34 | CVR0025 | COVER GP-NO JW HEATER 0 ** DEFAULT OFFERING ** Cover group when no jacket water heater is selected. CANNOT BE USED WITH: Jacket water heaters. | | NC |
| 34 | JWHWP2Y | JW HEATER - SINGLE W/PUMP 0 TECHNICAL: 480V, 3 Phase, 60Hz, 12kW REQUIRES: 60 Hz Package | | \$2,981 |
| 34 | JWHWP2X | JW HEATER - SINGLE W/PUMP 0 TECHNICAL: 240V, Single Phase, 60Hz, 12kW REQUIRES: 60 Hz Package | | \$2,835 |
| 34 | JWHWP2Z | JW HEATER - SINGLE W/PUMP 0 TECHNICAL: 220V, Single Phase, 50Hz, 12kW REQUIRES: 50 Hz Package | | \$2,835 |