GAS GEN SET ENGINE (F) LAFAYETTE, INDIANA Ship Weight

List Price At Factory

Product Consist:

PRICING INFORMATION

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

Net price items are subject to no further discounts.

All prices are installed list prices unless otherwise specified.

SHIPMENT DATE SPECIFIC PRICING IS BEST FOUND THROUGH THE CSQ QUOTING TOOL.

List Price at Factory

AVAILABILITY

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

GLOSSARY OF TERMS

For product abbreviations go to Power Net at https://engines.cat.com Under the quick links, select TMI Web. Once in TMI select Abbreviations, listed under TMI Definitions.

DESIGN TO ORDER (DTO)

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

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

A DTO will require an application and installation (A & I) marketing quote. For further information contact the Application Support Center.

Requests for special ratings not listed in the Price List should also be sent to the Application Support Center. If the special rating is possible, it may also require a DTO and could require additional processing time if the appropriate details have not yet been established.

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

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

DEALER SPECIFIC PRICING TERMS

To obtain the latest specific conditions from Caterpillar to

GAS GEN SET ENGINE (F) LAFAYETTE, INDIANA Ship Weight lbs List Price At Factory

DEALER SPECIFIC PRICING TERMS (CONT.)

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

TECHNICAL PERFORMANCE DATA

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

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

RATINGS GUIDE

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

Current EPG ratings are also available by accessing the Electronic Media Center at https://emc.cat.com and on Power Net at https://engines.cat.com, select Electric Power then select References/Sales Tools.

AIR INLET SYSTEM

Air cleaner, intermediate duty, with service indicator.

CONTROL SYSTEM

Governor, Woodward 2301A Speed Control, EG3P Actuator. - 2301A installed in EMCP II+ control panel if ordered. Shipped loose if no panel is ordered.

COOLING SYSTEM

Thermostats and housing, full open temperature 98 C (208 F). Jacket water pump, gear driven, centrifugal, non-self-priming. Aftercooler water pump, gear driven, centrifugal, non-self-priming (TA only).

Aftercooler thermostats & housing, full open temperature 35 C (95 F).

EXHAUST SYSTEM

Exhaust manifolds, watercooled

FLYWHEELS & FLYWHEEL HOUSINGS

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

FUEL SYSTEM

Gas pressure regulator

- Requires 172.4 - 206.8 kPa (25 - 30 psi) gas.

Natural gas carburetor

Fuel filter is required but not provided as standard:

Customer may provide or see Optional Fuel Filters.

Fuel system is sized for 31.5 to 47.2 MJ/Nm3 (800 to 1200 btu/scf).

GAS GEN SET ENGINE (F) LAFAYETTE, INDIANA Ship Weight lbs List Price At Factory

IGNITION SYSTEM

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

INSTRUMENTATION

Instrument panel, RH, 12 hole:

- Oil pressure.
- Water temperature.
- Oil pressure differential.
- Intake manifold temperature (TA only).
- Service meter.

LUBE SYSTEM

Crankcase breather, top mounted Oil cooler Oil filter, RH Oil bypass filter (shipped loose) Shallow oil pan

MOUNTING SYSTEM

Rails, engine mounting, 330 mm (13 in), industrial-type

POWER TAKE-OFFS

Front housing, two-sided.

PROTECTION SYSTEM

EMCP II+ is an option (see description under mandatory attachments). Gas valve 50.8 mm (2 in) pipe size installed. Energized to run. If customer chooses the "No Panel" mandatory attachment, he must provide protection and safety shutdowns plus controls for starting, stopping, and control of the energized-to-run shutoff valve.

- Low oil pressure, low idle 69 kPa (10 psi): high idle 207 kPa (30 psi).
- High coolant temperature 99 C (211 F).
- Overspeed.
- Emergency stop push-button.
- Detonation.
- Gas valve 50.8 mm (2 in) pipe size. Energized to run.
- Start, run, stop switch.

GENERAL

Paint, Caterpillar Yellow Vibration damper and guard

Note: "Stationary Use Only Label": Effective January 2004, the US EPA Nonroad Mobile SI rule restricts the use of SI gas engines in the United States. Caterpillar's gas engines are not certified for mobile applications within the US and are to be used in "stationary use only" applications. All gas engines will have this label attached regardless of the dealer placing the order.

Note: Torsional analysis is recommended if other than a Caterpillar generator is used.

GAS GEN SET ENGINE (F) LAFAYETTE, INDIANA

Ship Weight lbs

List Price At Factory

60 HERTZ, 1200 RPM, 3 PHASE, 480 VOLT.

| | GEN SET EN YETTE, IND | | Ship Weight Ibs | List Price At Factory |
|---|--------------------------|-------------------------|--------------------|--------------------------|
| F | 516GE5I | G3516 TA GEN SET ENGINE | 0 | \$440,803 |

GAS GEN SET LOW EMISSION ENGINE (L) LAFAYETTE, INDIANA

Ship Weight lbs List Price At Factory

Product Consist:

AIR INLET SYSTEM

Air cleaner, intermediate duty, with service indicator.

CONTROL SYSTEM

Governor, Woodward 2301A Speed Control, EG3P Actuator

- 2301A installed in EMCP II+ control panel if ordered (shipped loose if no panel is ordered).
- Idle air bleed circuit.

COOLING SYSTEM

Thermostats and housing, full open temperature 98 C (208 F). Jacket water pump, gear driven, centrifugal, non-self-priming. Aftercooler water pump, gear driven, centrifigal, non-self-priming. Aftercooler thermostats & housing, full open temperature 35 C (95 F).

EXHAUST SYSTEM

Exhaust manifolds, watercooled

FLYWHEELS & FLYWHEEL HOUSINGS

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

FUEL SYSTEM

Gas pressure regulator

Requires 206.8 - 275.8 kPa (30 - 40 psi) gas (11:1 c/r).

Requires 241.3 - 275.8 kPa (35 - 40 psi) gas (8:1 c/r).

Natural gas carburetor

Fuel filter is required but not provided as standard:

Customer may provide or see Optional Fuel Filters.

Fuel system is sized for 31.5 to 47.2 MJ/Nm3 (800 to 1200 btu/scf).

IGNITION SYSTEM

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

INSTRUMENTATION

Instrument panel, RH, 12 hole:

- Oil pressure.
- Water temperature.
- Oil pressure differential.
- Intake manifold temperature.
- Service meter.
- Exhaust pyrometer and thermocouples (individual exhaust ports and right and left bank exhaust stacks).
- Intake manifold pressure gauge.

LUBE SYSTEM

Crankcase breather, top mounted Oil cooler Oil filter, RH Shallow oil pan

MOUNTING SYSTEM

Rails, engine mounting, 330 mm (13 in), industrial-type

GAS GEN SET LOW EMISSION ENGINE (L) LAFAYETTE, INDIANA

Ship Weight lbs List Price At Factory

PROTECTION SYSTEM

EMCP II + is an option (see description under mandatory attachments). If customer chooses the "No Panel" mandatory attachment, he must provide protection and safety shutdowns, plus controls for starting, stopping; and control of the energized-to-run gas shutoff valve. Gas valve 50.8 mm (2 in) pipe size. Energized to run. Start, run, stop switch.

GENERAL

Paint, Caterpillar Yellow Vibration damper and guard Lifting eyes

generator is used.

Note: "Stationary Use Only Label": Effective January 2004, the US EPA Nonroad Mobile SI rule restricts the use of SI gas engines in the United States. Caterpillar's Gas Engines are not certified for mobile applications within the US and are to be used in "stationary use only" applications. All gas engines will have this label attached regardless of the dealer placing the order. Note: Torsional analysis is recommended if other than a Caterpillar

| | GEN SET LO YETTE, INDI | W EMISSION ENGINE (L ANA | .) | Ship Weight Ibs | List Price At Factory |
|------|---------------------------|--|---|--------------------|--------------------------|
| 60 H | ERTZ, 1200 |) RPM, 3 PHASE, 480 | VOLT | | |
| L | 516GE5K | Continuous rating w/o TECHNICAL:11:1 comp | fan. ression ratio; 1200 rpm. WITH: Pipeline natural gas. | 0 | \$464,417 |
| L | 516GE5J | Continuous rating w/o TECHNICAL:8:1 compre | ession ratio; 1200 rpm. WITH: Pipeline natural gas or propa | | \$464,417 |
| 50 H | ERTZ, 1500 |) RPM, 3 PHASE, 400 | VOLT | | |
| L | 516GE5L | Continuous rating w/o TECHNICAL:8:1 compre | | | \$490,742 |

GAS GEN SET LOW EMISSION, LOW ENERGY FUEL GAS ENG (N) LAFAYETTE, INDIANA

Ship Weight lbs List Price At Factory

Product Consist:

AIR INLET SYSTEM

Air cleaner, intermediate duty, with service indicator.

CONTROL SYSTEM

Governor; Woodward 2301a Speed Control, EG3P Actuator

- 2301A installed in EMCP II+ control panel if ordered. Shipped loose if no panel is ordered.
- Idle air bleed.

COOLING SYSTEM

Thermostats (high temperature) and housing, full open temperature 110C (127F).

Jacket water pump (high temperature seal), gear driven, centrifugal, non-self-priming.

Aftercooler water pump, gear driven, centrifugal, non-self-priming. Aftercooler thermostats & housing, full open temperature 66 C (151 F). Oil cooler thermostatic control to maintain 93 C (200 F) minimum oil temperature.

EXHAUST SYSTEM

Exhaust manifolds, watercooled Exhaust & intake valves & guides, corrosion resistant

FLYWHEELS & FLYWHEEL HOUSINGS

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

FUEL SYSTEM

Gas pressure regulator Requires 10.3 - 34.5 kPa (1.5 - 5 psi) gas. Fuel filter is required but not provided as standard: Customer to provide.

IGNITION SYSTEM

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

INSTRUMENTATION

Instrument panel, RH, 12 hole:

- Oil pressure.
- Oil temperature.
- Jacket water pressure.
- Water temperature.
- Oil pressure differential.
- Intake manifold temperature.
- Service meter.
- Exhaust pyrometer and thermocouples (individual exhaust ports and right and left bank exhaust stacks).
- Intake manifold pressure gauge.

LUBE SYSTEM

Crankcase ventilation system breathers (power vent blower required). Oil filter, RH. Shallow oil pan.

GAS GEN SET LOW EMISSION, LOW ENERGY FUEL GAS ENG (N) LAFAYETTE, INDIANA

Ship Weight lbs List Price At Factory

LUBE SYSTEM (CONT.)

Lubricating oil cooler, separate circuit, thermostatically controlled oil temperature.

MOUNTING SYSTEM

Rails, engine mounting, 330 mm (13 in), industrial-type

POWER TAKE-OFFS

Front housing, two-sided.

PROTECTION SYSTEM

EMCP II+ is an option (see description under mandatory attachments). If customer chooses the "No Panel" mandatory attachment, he must must provide protection and safety shutdowns plus controls for starting, stopping, and control of the energized forum gas shutoff valve.

Gas valve 50.8 mm (2 in) pipe size installed. Energized to run. Shipped loose for remote mounting. 20 ft. wiring harness.

- Low oil pressure, low idle 69 kPa (10 psi): high idle 207 kPa (30 psi).
- High coolant temperature 124 C (255 F).
- High oil temperature 102 C (215 F).
- High intake air temperature alarm 71 C (160 F).
- Overspeed.
- Emergency stop push-button.
- Jacket water pressure.
- Detonation.
- Gas valve 50.8 mm (2 in) pipe size. Energized to run.
- Start, run, stop switch.

GENERAL

Paint, Caterpillar Yellow Vibration damper and guard Lifting eyes

Note: "Stationary Use Only Label": Effective January 2004, the US EPA Nonroad Mobile SI rule restricts the use of SI gas engines in the United States. Caterpillar's Gas Engines are not certified for mobile applications within the US and are to be used in "stationary use only" applications. All gas engines will have this label attached regardless of the dealer placing the order.

Note: Torsional analysis is recommended if other than a Caterpillar generator is used.

GAS GEN SET LOW EMISSION, LOW ENERGY FUEL GAS ENG (N)
LAFAYETTE, INDIANA

60 HERTZ, 1200 RPM, 3 PHASE, 480 VOLT

N 516GE5M G3516 LE GEN SET ENGINE...... \$543,905

Continuous rating without fan.

Includes corrosion resistant aftercooler core.
TECHNICAL:11:1 compression ratio; 1200 rpm.
ONLY FOR USE WITH: 16.5-23.6 MJ/Nm3 gas (420 - 600 Btu/sef)

Supersedes 07APR2018 Caterpillar: Confidential Green PSNA-EPG-F C Subject to change without notice Printed in U.S.A. UNITED STATES DOLLAR

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

GRID CODE COMPLIANCE

Dynamic grid codes, also known as electrical network codes, provide conditions under which a generator connected to the public electrical grid must meet to help ensure safe, secure operation of the grid. These codes can vary depending on the regional, national, or international grid authority. If you have a project with a specific electrical grid code requirement, and you anticipate quoting Electric Power Gas genset products from the price list of a US source facility, please contact the ASC for assistance. Cat gas genset products are not guaranteed compliant with any specific country's grid code requirements. By working with the ASC, we can evaluate the project requirements and quote products that will meet specific electrical network codes.

VOLTAGE INDICATORS

Voltage Indicators

All generator set orders REQUIRE a voltage be specified. Choose the appropriate voltage feature code from the following list based on frequency and generator arrangement being ordered.

50 Hertz Voltage Indicators.

| L | 50H0400 | VOLTAGE INDICATOR 400V (WYE) | NC |
|-----|--------------|-------------------------------|----|
| 6 | O Hertz Vol | tage Indicators | |
| FLN | 60H0480 | VOLTAGE INDICATOR 480V (WYE) | NC |
| FLN | 60H4160 | VOLTAGE INDICATOR 4160V (Wye) | NC |
| S | pecial Volta | age Indicator | |
| FLN | VLTIND1 | VOLTAGE INDICATOR - SPECIAL | NC |

| USE | REF NO. | MANDATORY ATTACHMENTS Ship Weight lbs | List Price At Factory |
|-----------|------------------------|--|--------------------------|
| APPL | ICATION IN | NDICATORS | |
| IV | larket Segm | nentation | |
| FLN | MSEPGGS | END USE: GENERAL EPG GAS | NC |
| FLN | MSPMDXQ | END USE:EPG Rental-All Product | NC |
| FLN | MSPETDR | PETROLEUM LAND DRILLING | NC |
| FLN | MSPETPG | END USE: PETRO PRODUCTION/PUMP | NC |
| A | | ndicators - select one. er setting and name plate for use in specified | |
| FLN | CONTINU | CONTINUOUS POWER APPLICATION | NC |
| ENG | INE RATING | AND SPEED | |
| R | ATINGS Select one of t | the following ratings. | |
| FLN | PSTSPC1 | SPECIAL SETTING REQUEST | NC |

| USE | REF NO. | MANDATORY ATTACHMENTS Ship Weight lbs | List Price At Factory |
|-----------------------------------|--|--|--------------------------|
| ENGI | NE RATING | AND SPEED (CONT.) | |
| R | ATINGS (C | ont.) | |
| L | KMM1030 | 1030 EKW W/O FAN (32C) | NC |
| L | KWW0975 | 975 EKW W/O FAN (54C) | NC |
| L | KMM0870 | 870 EKW W/O FAN (54C/130F) | NC |
| N | KMM0800 | 800 EKW W/O FAN (54C/130F) | NC |
| L | KWW0800 | 800 EKW W/O FAN (32C/90F) | NC |
| F | KWM0770 | 770 EKW W/O FAN (32C) 0 | NC |
| L | KWW0770 | 770 EKW W/O FAN (54C/130F) | NC |
| L | KMM0765 | 765 EKW W/O FAN (54C/130F) | NC |
| F | KWW0750 | 750 EKW W/O FAN (54C/130F) | NC |
| = | KWW0740 | 740 EKW W/O FAN (54C/130F) | NC |
| | D 4 TO D\/ 4 | | |
| MAN | DATORY A | TTACHMENTS | |
| El | DATORY A <i>MISSIONS I</i> Select One. | | |
| El | MISSIONS L | | NC |
| <i>El</i> | MISSIONS L Select One. | LEVEL | NC NC |
| E/ NL FL A/ | MISSIONS L Select One. EMISS03 EMISS08 | STANDARD LOW EMISSIONS - 50 Hz | _ |
| EI NL FL A | MISSIONS L Select One. EMISSO3 EMISSO8 FTERCOOLI Select One. | STANDARD LOW EMISSIONS - 50 Hz | _ |
| EI NL FL A | MISSIONS L Select One. EMISSO3 EMISSO8 FTERCOOLI Select One. | STANDARD LOW EMISSIONS - 50 Hz | NC |
| <i>El</i> NL FL <i>A</i> | MISSIONS L Select One. EMISSO3 EMISSO8 FTERCOOLI Select One. ACTEMP1 | STANDARD LOW EMISSIONS - 50 Hz | NC |
| EI NL FL AI FL FL FLN C | MISSIONS LESSIONS LESSIONS LEMISSOS FTERCOOLI Select One. ACTEMP1 ACTEMP2 | STANDARD LOW EMISSIONS - 50 Hz 0 STOCHIOMETRIC EMISSIONS 0 ER TEMPERATURE 32C/90F SINGLE STAGE 0 43C/110F SINGLE STAGE 0 THERMOSTATIC VALVE (54 DEG C) 0 | NC NC |
| EI NL FL AI FL FL FLN C | MISSIONS LESSIONS LEMISSOS EMISSOS FTERCOOLI Select One. ACTEMP1 ACTEMP2 TSTAT38 OMPRESSION | STANDARD LOW EMISSIONS - 50 Hz 0 STOCHIOMETRIC EMISSIONS 0 ER TEMPERATURE 32C/90F SINGLE STAGE 0 43C/110F SINGLE STAGE 0 THERMOSTATIC VALVE (54 DEG C) 0 | NC NC |
| El NL FL Al FLN C | MISSIONS LESSIONS LEMISSOS EMISSOS FTERCOOLI Select One. ACTEMP1 ACTEMP2 TSTAT38 OMPRESSIONS Select One. | STANDARD LOW EMISSIONS - 50 Hz 0 STOCHIOMETRIC EMISSIONS 0 ER TEMPERATURE 0 32C/90F SINGLE STAGE 0 43C/110F SINGLE STAGE 0 THERMOSTATIC VALVE (54 DEG C) 0 | NC NC NC |

USE REF MANDATORY ATTACHMENTS Ship Weight List Price lbs At Factory

MANDATORY ATTACHMENTS (CONT.)

CONTROL PANELS

Panel will be mounted rear facing, on generator terminal box.

Electronic Modular Control Panel II Plus Option FLN EMCPLS2 \$13,390 Technical: EMCP II+ control panel including: 24-volt DC control. NEMA 12, IP44 dust-proof enclosure. Lockable hinged door. Generator terminal box. Mounted (rear facing) - LV & MV. Single location customer connection. Panel illuminating lights. Auto start/stop control switch. Purge cycle and staged shutdown. Digital indication for: - RPM. - Operating hours. - Oil pressure. - Coolant temperature. - DC Volts. - L-L Volts, L-N Volts, Phase, Amps, Hz. - ekW, kVa, kVAR, kWhr, % kW, PF. - Oil temperature. Shutdowns with indicating lights for: - Low oil pressure. - High coolant temperature. - Overspeed. - Emergency stop. - Failure to start (overcrank). - Low coolant level (customer must connect). - Oil temperature. - Programmable protective relaying functions. - Under and over voltage. - Under and over frequency. - Reverse power.

FLN NOPANEL

Customer must provide start/stop logic, control of gas shutoff valve and shutoff protection as follows:

- Low oil pressure, low idle 69 kPa (10 psi): high idle 207 kPa.
- (30 psi).
- High coolant temperature 99 C (211 F).

- 3 spare indicating LED's (programmable).

- Overspeed.
- Emergency stop push-button.

- Over current (phase and total).

- Detonation.

Supersedes 07APR2018 Caterpillar: Confidential Green PSNA-EPG-F C NC

| USE | REF NO. | MANDATORY ATTACHMENTS Ship Weight lbs | List Price At Factory |
|------|--------------------------------------|--|--------------------------|
| MAN | DATORY A | TTACHMENTS (CONT.) | |
| | o ntrol Pane Required with | I Digital Display EMCPLS2. | |
| FLN | EMCENGU | ENGLISH DISPLAY UNITS | NC |
| FLN | EMCMETU | METRIC DISPLAY UNITS | NC |
| | JEL TYPE Select One. | | |
| FLN | NGASFUE | NATURAL GAS FUEL | NC |
| FL | PROPFUE | PROPANE FUEL | NC |
| FL | FIELDGS | FIELD GAS | NC |
| N | DIGESLF | DIGESTER-LANDFILL FUEL | NC |
| EURC | PEAN CER | TIFICATIONS | |
| Eι | ıropean Uni | ion Certifications | |
| FLN | EUDGDOI | EUROPEAN DIRECTIVE GENSET DOI | \$271 NET |
| | | NOTE: Not for use with Hazardous Location engines. | |
| FLN | NOEUCRT | NO EU CERT REQUEST-SEE DETAILS | NC |

USE REF MANDATORY ATTACHMENTS Ship Weight List Price lbs At Factory

GENERATORS

INSTALLED GENERATORS ARRANGEMENTS FOR GSE

Brushless SR4 generators installed. Includes generator, flexible plate coupling, 330 mm (13 in) mounting rails and hardware. Ratings shown are generator set electrical output without fan. Specify EkW rating. Power terminal strip INCLUDED on LOW VOLTAGE generators. Power terminal strip NOT INCLUDED on MEDIUM VOLTAGE generators. Must select one

VR6 Voltage Regulator is standard on all SE generators. Caterpillar's Digital Voltage Regulator (CDVR) is standard on all PM generators. CDVR includes KVAR/PF control.

TA Engine, 50 Hertz, 3 Phase, 1500 RPM

1030 EkW at 1500 rpm, 32 C (90 F) SCAC 975 EkW at 1500 rpm, 54 C (130 F) SCAC 870 EkW at 1500 rpm, 54 C (130 F) SCAC

TECHNICAL: 400 volt, PM excited, high efficiency, form wound VPI.

Six leads. Generator Argt 144-1814 With 115-230 volt, 1200 watt space heater and 100 ohm platinum RTD's.

TA Engine, 60 Hertz, 3 Phase, 1200 RPM

FLN OGNPMQP GENERATOR 862 FRAME...... 0 \$91,856

TECHNICAL: DOES NOT INCLUDE POWER TERMINAL STRIP. 4160 volt, PM excited, form wound VPI. Six leads.

Generator Argt= 158-6424.

With 115-230 volt, 1200 watt space heater.

RECOMMENDED FOR CONTINUOUS DUTY APPLICATIONS.

800 EkW at 1200 rpm, 54 C (130 F) SCAC(K). 770 EkW at 1200 rpm, 54 C (130 F) SCAC(E). 765 EkW at 1200 rpm, 54 C (130 F) SCAC (N). 750 EkW at 1200 rpm, 54 C (130 F) SCAC (K). 740 EkW at 1200 rpm, 54 C (130 F) SCAC (E).

TECHNICAL: 480 volt, PM excited, form wound VPI. Six leads.

Generator Argt= 158-6416

With 115-230 volt, 1200 watt space heater.

add 100 ohm platinum RTD's

RECOMMENDED FOR CONTINUOUS DUTY APPLICATIONS.

800 EkW at 1200 rpm, 32 C (90 F) SCAC 770 EkW at 1200 rpm, 32 C (90 F) SCAC 800 EkW at 1200 rpm, 54 C (130 F) SCAC

| USE | REF NO. | MANDATORY ATTACHMENTS Ship Weight lbs | List Price At Factory |
|------------|---|---|--------------------------|
| LANG | GUAGE OP | TIONS | |
| | Provides nam specified lang Marketing Pro | eptions - select ONE eplate, decals, and operator's manual in guage. For other Language Options contact your offit center. Additional literature available orate Literature System. | |
| I | LANDANO | LANGUAGE MARKINGS-DANISH | NC |
| | LANDUTO | LANGUAGE MARKINGS-DUTCH | NC |
| | LANENGO | LANGUAGE MARKINGS-ENGLISH | NC |
| | LANFREO | LANGUAGE MARKINGS-FRENCH | NC |
| | LANGERO | LANGUAGE MARKINGS-GERMAN | NC |
| | LANITAO | LANGUAGE MARKINGS-ITALIAN | NC |
| | LANPORO | LANGUAGE MARKINGS-PORTUGESE 0 | NC |
| I | LANSPAO | LANGUAGE MARKINGS-SPANISH | NC |
| LUBE | SYSTEM | | |
| Lu | ıbricating C | Dil | |
| FLN FNL | LUBOILU NOLUB01 | LUBRICATING OIL - ULTRA | \$2,359 NC |
| | | ube Pumps - AC uty. Reference wiring diagram 113-7313. | |
| FLN | ELEPAC1 | ELECTRIC PRELUBE PUMP-60 HZ | \$3,825 |
| FL | ELEPAC2 | ELECTRIC PRELUBE PUMP-50 HZ | \$3,825 |
| | Intermittent d | the Pumps - DC luty. Includes pump and j-box with pressure switch, and relay. Wiring and PLC must be provided by customer. | |
| FLN | ELEPP28 | ELECT PRELUBE PUMP 24V/3500B | \$3,384 |
| FLN | ELEPP29 | REQUIRES: 24V DC power source and Deep Sump Oil pan OPTDS01 ELECT PRELUBE PUMP 24V/3500B | \$3,384 |

| USE | REF NO. | MANDATORY ATTACHMENTS Ship Weight lbs | List Price At Factory |
|------|---|---|--------------------------|
| LUBE | SYSTEM | (CONT.) | |
| M | lanual Prelu | ıbe Pump | |
| FLN | OPAPLC9 | PRELUBE CONVERSION-RH | \$463 |
| N | o Prelube P | Pump | |
| FLN | NOPLUBE | NO PRELUBE DESIRED | \$31 |
| PRO | TECTION S | YSTEM | |
| C | rankcase C | overs / Explosion Relief Valves | |
| FLN | EXRVL13 | EXPLOSION RELIEF VALVE | \$1,442 |
| FLN | EXRVL14 | REQUIRES: Standard oil pan. EXPLOSION RELIEF VALVE | \$1,670 |
| FLN | CVR0049 | REQUIRES: Deep Sump Oil Pan OPTDS01. CRANKCASE COVERS | \$435 |
| MAN | DATORY O | PPTIONS | |
| M | US EPA SI (S _I Standard) Reg Effective Jul New Source engines open Effective Jar rated below including lan will apply to | Options - NSPS Emission Rule park Ignited) Stationary NSPS (New Source Performance gulations: ly 2007, the US EPA will enforce the new Spark Ignited Performance Standard (SI NSPS) for gas stationary rating in the United States equal to or above 500 bhp. In 1 2008, this standard will apply to all gas engines 500 bhp. This rule will affect all applications and gas in the united States equal to or above 500 bhp. This rule will affect all applications and gas in the united States equal to or above 500 bhp. This rule will affect all applications and gas in the united States equal to or above 500 bhp. This rule will affect all applications and gas engines all Standby units. For more information, see Cat Power e-Product News dated April 2007, Media No. LEXE7149. | |
| FLN | NSPSNUS | NON-U.S. GENSET | NC |

F

G3516AEPL

NC

| USE | REF NO. | MANDATORY ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|------|--------------|-----------------------------------|--------------------|--------------------------|
| MAND | ATORY OPT | TIONS (CONT.) | | |
| Mai | ndatory Opti | ions - NSPS Emission Rule (Cont.) | | |

These gas products are not certified, but can be made field compliant through on-site emissions testing. It is the customer's responsibility to coordinate and complete site emissions testing and submit for an EPA certificate of compliance. Some products may require an air/fuel ratio-control and a 3-way catalyst (note: For rich burn products the catalyst rating must be used). Some low emission products might need an oxidation catalyst to meet CO2 or NMHC limits (note: Catalysts cannot be used with corrosive fuels such as digester, landfill and ag bio-gas).

REQUIRES: 9:1 Compression Ratio Engine.

Application--gas generator sets to be used in continuous power applications in the United States (all gasses including digester, landfill and ag bio-gas).

Even after extensive modifications these gensets are not expected to meet the SI NSPS customer conducted field emissions test. Examples are the G3300 and G3400 ratings. Nearly all these rich burn ratings have 24% excess oxygen in the exhaust. To use a 3-way catalyst the excess oxygen must be near 0%, or ratings must be labeled as "Cat" or "Catalyst" ratings. The G3500 LE products have a nominal 2 g/bhp hr Nox setting. NSPS requires a not-to-exceed 2 g/bhp-hr limit. Possible lower Nox settings are available for G3500 LE products through an SRR (Special Rating Request).

REQUIRES: NON 9:1 Compression Ratio Engine.

EXTENDED SERVICE COVERAGE

New procedures must be followed to purchase ESC with the gen sets offered in this price list. The new procedures are:

Complete the ESC Special Quote Request Form found at dealer.cat.com/EPESC. Please submit the completed form to engineesc@cat.com.

Contact engineesc@cat.com if you have any questions.

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|--------|--------------------------------------|--|---------------------------------|--------------------------|
| AIR II | NLET SYST | ГЕМ | | |
| | | nlet Adapters e. For remote air inlets. | | |
| LN | AIARM04 | AIR INLET ADAPTER-RECTANGULAR | 0 | \$738 |
| LN | AIARM05 | AIR INLET ADAPTER-ROUND | | \$545 |
| CHAI | RGING SYS | STEM | | |
| | 24-VDC outpo Current limiti | gers - Shipped loose. ut for use with lead acid or nicad batteries. ingneed for crank disconnect relay. Not serviced by Caterpillar Inc. | | |
| FLN | BTC1032 | BATTERY CHARGER 10 AMP. Includes high voltage, low voltage and AC failure alarm outputs, DC Ameter and Voltmeter. Meets requirements of NFPA 99 and NFPA 110. TECHNICAL: For 120-208-240 VAC input. Regulated. 2 with automatic switching from equalize to | -rate charging | \$1,171 |
| LN | BTC20A2 | Includes high voltage, low voltage and AC failure alarm outputs. DC Ameter and Voltmeter, NEMA 1 enclosure. TECHNICAL: For 120-208-240 VAC input. 50/60 Hz. R Meets requirements for NFPA 99 and NFP. UL 1564 and CSA C22.2 No. 107 listed 2-with automatic switching from equalize to | egulated. A 110. Arate charging | \$1,486 |
| | harging Alt Belt driven. H | ernators leavy duty with integral regulator. | | |
| LN | ALT2469 | CHARGING ALTERNATOR 24V 35 AMP | 0 | \$1,144 |
| LN | ALT2471 | CHARGING ALTERNATOR 24V 60 AMP TECHNICAL: RH mounted. Includes voltmeter. | 0 | \$1,262 |
| CON | TROL SYST | ГЕМ | | |
| 23 | 301A Load | Sharing governor | | |
| ELN | GOVLS15 | 2301A LOAD SHARING GOVERNOR | | NC |
| -LN | GOVLS16 | REQUIRES: Electronic Modular Control Panel EMCPLS2 2301A LOAD SHARING GOVERNOR | 0 | \$290 |

| USE | REF NO. | OPTIONAL ATTACHMENTS Ship Wei | ght List Price At Factory |
|------|------------------------------------|--|------------------------------|
| CONT | TROL SYST | TEM (CONT.) | |
| _ | 301E Gover Shipped loose | | |
| FLN | GOVDG07 | 2301E DUAL GAIN GOVERNOR | .0 \$3,779 |
| FLN | GOVDG08 | 2301E DUAL GAIN GOVERNOR. Shipped loose. Removes standard 2301A speed control governor. TECHNICAL: Recommended when auto paralleling and tied to utility grid. REQUIRES: EMCP II+ panel. | .0 \$3,779 |
| COOL | ING SYST | EM | |
| Ai | ftercooler C | Core | |
| FL | CSCA001 | CLEANABLE AFTERCOOLER | 0 \$3,401 |
| Co | onnections | | |
| FL | COLMJAO | MECH JOINT ASSEMBLY | |
| FL | CLIOCN2 | REQUIRES: TWO. INLET/OUTLET CONNECTION/JW Flange connections for jacket water inlet and outlet. Outlet moves from LH to RH connection. CANNOT BE USED WITH: 2 or 3 Circuit high temperature cooling or Expansion and overflow tank. | .0 \$112 |
| FL | CLIOCN3 | Flange connection for jacket water pump inlet. CANNOT BE USED WITH: 2 or 3 Circuit high temperature cooling or Expansion and overflow tank. | 0 \$64 |
| | | nd overflow tank llation drawing 119-5091 for installed dimensions. | |
| FL | EXPOFT1 | Provides expansion tank, overflow tank and turbocharger and wastegate vent line. Expansion tank is installed; overflow tank tank and vent lines shipped loose. Includes sight gauge and low water level switch. Overflow tank mounts on top of expansion tank. (See installation drawing for installed height.) TECHNICAL: Maximum system volume external to engine: 341 L (90 gal). Maximum system pressure 7 psi. CANNOT BE USED WITH: 2 or 3 Circuit high temperature cooling. | |
| W | ater level s | switch gauge | |
| FL | WTLVLS4 | WATER LEVEL SWITCH GAUGE | 0 \$212 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|------------|--|--|--|--------------------------|
| XHA | AUST SYST | ГЕМ | | |
| | lexible Fittir Shipped loose to engine. | ngs e. Includes one set hardware and gasket to bolt | | |
| FLN | EXCFF12 | FLEXIBLE FITTING/203MM/8IN | | \$477 |
| LN | EXCFF11 | REQUIRES: TA engine. FLEXIBLE FITTINGS | | \$806 |
| | lbows Shipped loose | e. Weldable, 90 degree bend. | | |
| FLN | EXCEL10 | ELBOW - 254 MM (10 IN) TECHNICAL: 254 mm (10 in) standard schedule short: REQUIRES: TA engine. ONLY FOR USE WITH: Flange and exhaust expande: | radius elbow. | \$720 |
| FLN | EXCEL08 | customer supplied 254 mm (ELBOW - 305 MM (12 IN) TECHNICAL: 305 mm (12 in) standard schedule short REQUIRES: TA engine. ONLY FOR USE WITH: Flange and exhaust expande customer supplied 305 mm (| 10 in) pipe0 radius elbow. r EXCFE02 and | \$925 |
| | lange Shipped loose | e. Weldable. | | |
| | ange and E Shipped loose | Exhaust Expanders | | |
| FLN | EXCFE03 | FLANGE & EXH EXP/203 TO 254MM | ludes ating flange | \$427 |
| -LN | EXCFE02 | FLANGE & EXH EXP/203 TO 305MM | ludes ating flange | \$818 |
| | lufflers Shipped loose | e. | | |
| FLN | MUF0010 | MUFFLER/15DBA/254MM/10IN | s mating e. r EXCFE03 and | \$1,760 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|----------------|--|---|--|--------------------------|
| EXH | AUST SYST | EM (CONT.) | | |
| N | lufflers (Co | ont.) | | |
| FLN | MUF0011 | MUFFLER. TECHNICAL: 18 dBA typical sound reduction. Includes a mating flanges for welding to 305 mm (12 in REQUIRES: TA engine. ONLY FOR USE WITH: Flange and exhaust expander | mating in) pipe. EXCFE02 and | \$2,528 |
| LN | MUFSA04 | customer supplied 305 mm (1 MUFFLER-SPARK/20DBA/10IN | 0 | \$2,229 |
| UEL | SYSTEM | | | |
| se in Ga | et. Use of single adequate fuel : aseous Fuel Sy ow Pressure | apponents are sized to supply fuel to a single generator e system components for multiple units may result in flow. For design and sizing guidelines refer to extems A&I Guide. Gas Conversions and drawing 7C-2948. | | |
| - | LPGCV02 | LOW PRESSURE GAS CONVERSION | rcent essive tred ations sions | \$10,332 |
| : | LPGCV01 | CANNOT BE USED WITH: Export boxing. LOW PRESSURE GAS CONV-TA | rcent essive oy | \$10,328 |
| P | ropane Gas Shipped loose | Valve and Jet Kits | | |
| L | CRBVJ04 | PROPANE CONVERSION KIT | 0 | \$379 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|-----------|-----------------------------------|--|--|--------------------------|
| -UE | L SYSTEM (| CONT.) | | |
| F | Propane Gas | Valve and Jet Kits (Cont.) | | |
| - | CRBVJ03 | PROPANE CONVERSION KIT | | \$527 |
| F | Fuel Filter Shipped loose. | | | |
| L | FULFL14 | FUEL FILTER. Remote mounted gas filter for use upstream of engine Filter selected to provide no greater than 2 kPa (0.3 ps pressure differential with new element for 10.3 kPa (1. greater gas supply at rated flow. Maximum working pr kPa (65 psi). Comes with one element designed to filter particle size. DN100 (4") flanged filter inlet/outlet cont with taps for pressure gages. Manufactured in accorda European Pressure Equipment Directive (PED). Shippe ONLY FOR USE WITH: Dry pipeline natural gas and | fuel inlet. i) initial 5 psi) or ressure of 450 r 1 micron rections ance with red loose. | \$9,431 |
| =L | FULFL12 | conversion. FUEL FILTER | fuel inlet. i) initial kPa (25 psi) pressure of 450 r 1 micron nufactured ective (PED). | \$1,872 |
| GEN | ERATOR AT | TACHMENTS | | |
| E | Provides gener | perature Detectors (RTD) rator rear bearing temperature monitoring capability RTD in the bearing housing. Instrumentation must be the customer. | | |
| FLN | RTD0001 | BEARING TEMPERATURE RTD TECHNICAL: Platinum RTD (100 ohm). REQUIRES: OGNPMQR | 0 | \$430 |
| FLN | RTD0003 | BEARING TEMPERATURE RTD TECHNICAL: Two Bearing Platinum RTD (100 ohm). | 0 | \$808 |
| FLN | SHREL01 | REQUIRES: OGNPMQP or OGPM473 SPACE HEATER RELAY TECHNICAL: Disconnects space heaters when generat Customer must supply 115-230 volts po REQUIRES: EMCP II+ panel. | tor set is running. | \$74 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|------------|------------------------------------|---|------------------------------|--------------------------|
| GENE | RATOR AT | TACHMENTS (CONT.) | | |
| | | ige Controls ual regulation of generators. Shipped loose for remote | | |
| FLN | MVC0003 | MANUAL VOLTAGE CONTROL ONLY FOR USE WITH: Permanent magnet excited general CANNOT BE USED WITH: 3300 or 4160 volt generator. | | \$741 |
| NST | RUMENTAT | TION | | |
| A | ttachments | to Electronic Modular Control Panel II | | |
| FLN FLN | EMCDV01 | DUAL VOLTAGE CAPABILITY | e s. or 480 | NC \$101 |
| LIV | LIVICOI | Meets the intent of NEMA 12 and IP44. REQUIRES: EMCP II+ panel. | | Ų101 |
| | larm Modul Shipped loose | | | |
| FLN | EMCAM01 | ALARM MODULE | | \$979 |
| FLN | EMCSM01 | SYNCHRONIZING MODULE | 0 | \$626 |
| FLN | EMCSM02 | SYNCHRONIZING MODULE | 0 | \$1,929 |
| FLN | EMCEFR1 | CANNOT BE USED WITH: EMCAM01. ENGINE FAILURE RELAY | tomer e, | \$48 |
| FLN | EMCPLAR | PANEL LIGHTS/AUXILIARY RELAY Provides 3-pole double throw 6-10 amp relay contacts for cu use and two lights with an on/off switch. REQUIRES: EMCP II+ panel. | 0 ıstomer | \$203 |
| FLN | EMCCIM1 | CUSTOMER INTERFACE MODULE-CIM. Shipped loose. Provides dry contacts for the following conditions for custom use: low coolant temperature alarm, system not in automatic high coolant temperature alarm, high coolant temperature s low oil pressure shutdown, overcrank shutdown, overspeed Electronic Modular Control Panel diagnostic shutdown. REQUIRES: EMCP II+ panel. | ner e alarm, shutdown, | \$542 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | List Price At Factory |
|------|-------------|--|--|--------------------------|
| INST | RUMENTAT | TION (CONT.) | | |
| N | FPA 99 Elec | ctronic Modular Control Panel II Requirements | | |
| FLN | EMCAM06 | ALARM MODULE - NFPA99 | coolant w oil pressure c. Two spare | \$929 |
| FLN | EMCRMP1 | REM 8-LIGHT ANNUNCIATOR | Ds and horn to int temperature speed shutdown, | \$636 |
| FLN | EMCAM03 | CUSTOM ALARM MODULE - 8 LIGHTS | lually ate inting iodule. Will ule. | \$615 |
| N | FPA 110 Ele | ectronic Modular Control Panel II Requirements | s | |
| FLN | EMCAM07 | Provides flashing LEDs and horn to annunciate: high contemperature alarm, low coolant temperature alarm, low alarm, low DC volts alarm and system not in automatic following which require customer provided switches: be malfunction, engine inlet air damper closed. | coolant w oil pressure c; plus the | \$1,090 |
| FLN | EMCRMP4 | REQUIRES: EMCP II+ panel. REM ANNUNC 2-LIGHT NFPA110 | ight and horn to 110 alarm nel. As level l. | \$355 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|-------|-------------|--|--|--------------------------|
| INSTE | RUMENTAT | TION (CONT.) | | |
| Cı | ustomer Ma | nnagement Device | | |
| FLN | CMOD003 | COMMUNICATIONS MODULE-PL1000T | replacement nonitor s. M and 22, RS-485, or nsion of J1939 sed with Haves ty to remotely h speed aries with | \$1,554 |
| FLN | CMOD006 | COMMUNICATIONS MODULE-PL1000E | nt Device; provides ation and RTU/TCP, and collity. M and remote 422, RS-485, or lew Status and Supports Cat Data Without d high speed aries with motely start | \$1,456 |
| Ins | strument Pa | anel Gauges | | |
| FLN | GIPDT05 | DIGITAL TACHOMETER | | \$294 |
| F | GIPPYT1 | PYROMETER AND THERMOCOUPLES | tor switch. | \$3,234 |
| FL | GIPAWP1 | AUX. WATER PRESSURE GAUGE. TECHNICAL: 0 - 100 psi (0 - 690 kPa). CANNOT BE USED WITH: Attachments which remove to pump (2 or 3 circuit high terms cooling or raw water aftercooling or raw water aftercooling contracts. | he aux. water nperature | \$471 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|------|-------------|--|-------------------------|--------------------------|
| LUBE | SYSTEM | | | |
|] | | ilter Removal ship loose oil bypass filter (auxiliary oil filter) ne. | | |
| F | OILRMV1 | AUX. OIL RESERVOIR REMOVAL | 0 | \$-4,901 |
| | | NOTE: Dealer will be responsible for advising customer oil change interval will be less than half of the s 750 hour oil change interval. Recommend custo oil analysis to determine proper oil change inter | tandard omer perform | |
| Oi | l Pan Acce | ssories | | |
| FL | OPTDS01 | Pan extends below rails and base of isolation mounts. Of general dimension drawing for mounting dimensions. CANNOT BE USED WITH: High temperature cooling systems Sump pumps SPMPLH1 or SP | Consult stems or | \$6,753 |
| FLN | OILDRN3 | OIL PAN DRAIN | may provide | \$223 |
| FLN | DUOFR00 | DUPLEX OIL FILTER-RH SERVICE | 0 | \$1,834 |
| LN | OLVLRG4 | OIL LEVEL REGULATOR | | \$525 |
| Su | ımp Pumps | • | | |
| FLN | SPMPRH1 | SUMP PUMP RH | | \$279 |
| FLN | SPMPLH1 | SUMP PUMP LH | 0 | \$279 |
| FLN | SPMPLH2 | SUMP PUMP LH | 0 | \$265 |
| ELN | SPMPRH2 | SUMP PUMP RH | 0 | \$265 |
| Ma | anual Prelu | be Pump | | |
| FLN | OPAPLC3 | PRELUBE CONVERSION-RH. Allows sump pump to function as manual prelube pum REQUIRES: RH sump pump SPMPRH1. CANNOT BE USED WITH: Electric prelube pump. | | \$307 |

| JSE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|-----|---|--|---|--------------------------|
| мои | NTING SYS | ТЕМ | | |
| | ibration isol a Shipped loose. | ators For stationary applications only. | | |
| ELN | VIBIS05 | VIBRATION ISOLATORS | rails. act factory | \$1,263 |
| FLN | FLXISP1 | FLEXIBLE ISOLATOR PAD. Rubber isolator pad for installation between base and fon ONE included. SIX suggested for engine only, EIGHT for generator package. Used to accommodate minor misalignment in application where vibration control is not severe. Pads will not isolate building structure from engine vibration or protous an inoperative engine from nearby equipment. See A&for complete vibration isolation recommendations. TECHNICAL: 108mm (4.25 in) X 457 mm (18 in) x 25 in Recommended loading 50 lbs per sq. includes the second of the second o | foundation. for engine/ ons ect I guide mm (1 in) | \$86 |
| POW | ER TAKE-OI | FFS | | |
| Fr | ont stub sh | aft | | |
| LN | SHAFT03 | FRONT STUB SHAFT | 0 | \$1,024 |
| | <i>illeys</i> Front cranksh | aft mounted. | | |
| LN | CRKPL01 | CRANKSHAFT PULLEY TECHNICAL: 197 mm (7.75 in) diameter. Provides 6 gr REQUIRES: Front stub shaft SHAFT03. | cooves. | \$220 |
| LN | CRKPL02 | CRANKSHAFT PULLEY TECHNICAL: 248 mm (9.75 in) diameter. Provides 6 gr REQUIRES: Front stub shaft SHAFT03. | | \$220 |
| POT | ECTION SY | STEM | | |
| | as Valve Shipped loose. on the engine. | Provides a gas valve in addition to the one standard | | |
| | | | | |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|------|--------------|---|--|--------------------------|
| SPEC | IAL TESTS | /REPORTS | | |
| Sp | oecial Tests | s/Reports | | |
| FLN | TRSGEN1 | GENERATOR TEST REPORT | no engine is | \$324 NET |
| | | NOTE: Generators may be tested to a Frequency or Voltahigher than advertised on the price list. A passed indicates the product will meet and exceed the raa 50Hz rating. A passed test at a higher voltage product will meet and exceed the requirements of voltage rating. | d test at 60Hz requirements of indicates the | |
| SPEC | IAL PACKI | NG/INSPECTIONS FOR SHIPMENT | | |
| Ex | port Boxin | g | | |
| FLN | EXB0010 | BOX FOR EXPORT | 0 | \$1,695 NET |
| S | pecial Packi | ina | | |
| FLN | SWP0001 | SHRINK WRAP PROTECTION | 0 | \$315 NET |
| LIV | 3441 000 1 | Similar Wild Thoreston | 0 | ÇJIJ NEI |
| St | orage Pres | ervation | | |
| FLN | SRP0014 | PRESERVATION - CORROSION INHIB | and | \$939 NET |
| STAF | RTING SYS | ГЕМ | | |
| El | ectric Start | ing Motors - Dual 24 Volt | | |
| FLN | ELSMD02 | Jacket water heater recommended for 20-second starting switch in EMCP II+ panel if one is ordered. For NO PAN customer must connect control wiring to terminal strip located in the generator housing. | ng. Start EL option, | \$2,668 |
| FLN | ELSDL16 | TECHNICAL: -30 to 20 C (-22 to 68 F). ELECTRIC STARTING MOTOR LH | icket NO PANEL option, | \$2,118 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|------|--------------|---|--------------------|--------------------------|
| STAR | RTING SYS | TEM (CONT.) | | |
| | | e of jacket water heater are UL recognized. water temperature switch. | | |
| FLN | JWH0017 | JACKET WATER HEATER | | \$1,042 |
| FLN | JWHD010 | JACKET WATER HEATER - DUAL | 0 140 F). | \$1,735 |
| FLN | JWHD011 | JACKET WATER HEATER - DUAL | 0 (40 F). | \$1,831 |
| | | - 24 Volt - Dry . Low maintenance, high output. | | |
| FLN | BAT2417 | 24 VOLT BATTERY SET - DRY | ies. | \$2,536 |
| FLN | BAT2418 | starting below 20 C (68 F). 24 VOLT BATTERY SET - DRY | ies. | \$1,762 |
| FLN | BAT2401 | 24V BATTERY SET-DRY 1300 CCA | ies. | \$1,268 |
| Ba | attery Cable | es | | |
| FLN | BTRCBL1 | BATTERY CABLES/1880MM/74IN | 0 | \$164 |
| Ba | attery Rack | | | |
| FLN | BTR0001 | 2 BATTERY RACK/FLOOR | | \$187 |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight Ibs | List Price At Factory |
|------|----------------|--|--|--------------------------|
| GENE | RAL | | | |
| S | pecial Paint | | | |
| FLN | SPCPNT1 | SPECIAL PAINT | 0 nce paints. | \$684 NET |
| A | id Emblem | | | |
| FLN | AIDEMB | US AID EMBLEM | evelopment istance to ries located rope, and the nly available | NC |
| G | eneral | | | |
| FLN | DMGDRM2 | DAMPER GUARD REMOVAL | 0 | \$-336 |
| FLN | BARGP01 | ENGINE BARRING GROUP | 0 | \$214 |
| | grease gun, fe | c tools for regular maintenance; such as wrenches, eler gauges, etc. For a complete breakdown, refer ide for Caterpillar Dealers. Order 9S-7977. | | |

Digital Diagnostic Tool

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

SVCE TOOLS/SHIP PROT/FACTORY SUPPORT

AVAILABLE ONLY FROM PARTS DISTRIBUTION.

Commissioning

| FLN | FACCOM1 | FACTORY COMMISSIONING | \$7,575 NET |
|-----|---------|--|-------------|
| | | Commissioning will be invoiced at \$1,400 per day, plus expenses, to | |
| | | the selling dealer. This \$7,000 Net charge will be deducted from | |
| | | the total cost of the commissioning. | |

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

LITERATURE

Optional Literature - Other Languages than English

Includes Operation and Maintenance Instruction Book, Parts Book (provided in CD for English language only) and other miscellaneous forms. These groups remove the English literature that is included in the engine reference numbers. One group shipped free of charge with each engine.

| FLN | LITCHIO | SIMPLIFIED CHINESE LITERATURE | NC |
|-----|---------|-------------------------------|----|
| LN | LITDANO | DANISH LITERATURE | NC |
| FLN | LITDUTO | DUTCH LITERATURE | NC |
| FLN | LITFINO | FINNISH LITERATURE | NC |
| FLN | LITFREO | FRENCH LITERATURE | NC |
| FLN | LITGERO | GERMAN LITERATURE | NC |
| FLN | LITITAO | ITALIAN LITERATURE | NC |
| FLN | LITJAPO | JAPANESE LITERATURE | NC |
| FLN | LITPORO | PORTUGUESE LITERATURE | NC |
| FLN | LITRUSO | RUSSIAN LITERATURE | NC |
| FLN | LITSPAO | SPANISH LITERATURE | NC |

Extra Literature - English and Other Languages

Shipped loose.

Includes Operation and Maintenance Instruction Book, Parts Book (provided in CD for English language only) and other

miscellaneous forms.

This literature is in addition to the one group shipped free

| FLN | LITENGE | EXTRA LITERATURE - ENGLISH. 0 TECHNICAL: For paper copy Parts Book, reference LITPAPR. | \$132 NET |
|-----|---------|---|-----------|
| FLN | LITCHIE | EXTRA CHINESE LITERATURE SET | \$132 NET |
| LN | LITDANE | EXTRA LITERATURE - DANISH | \$132 NET |
| FLN | LITDUTE | EXTRA LITERATURE - DUTCH | \$132 NET |
| FLN | LITFINE | EXTRA LITERATURE - FINNISH | \$132 NET |
| FLN | LITFREE | EXTRA LITERATURE - FRENCH | \$132 NET |
| FLN | LITGERE | EXTRA LITERATURE - GERMAN | \$132 NET |
| FLN | LITITAE | EXTRA LITERATURE - ITALIAN | \$132 NET |
| FLN | LITJAPE | EXTRA LITERATURE - JAPANESE | \$132 NET |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight | List Price At Factory |
|-----|--------------|--|-------------|--------------------------|
| | RATURE (C | CONT.) | 103 | At Factory |
| | • | ure - English and Other Languages (Cont.) | | |
| FLN | LITPORE | EXTRA LITERATURE - PORTUGUESE | 0 | \$132 NET |
| FLN | LITRUSE | EXTRA LITERATURE - RUSSIAN | 0 | \$132 NET |
| FLN | LITSPAE | EXTRA LITERATURE - SPANISH | 0 | \$132 NET |
| 0 | ptional Lite | rature - English Language | | |
| FLN | LITPAPR | PAPER PARTS BOOK-ENGLISH | | \$163 NET |
| PAC | KING | | | |
| S | pecial Pack | ing for Shipment | | |
| FLN | DPX0001 | DOMESTIC PACK-EXPORT CONTAINERONLY FOR USE WITH: Engines not boxed. | 0 | NC |
| | | NOTE: CONTAINER SHIPMENTS - Charge per container included in freight forwarding invoice. 40 ft. open top container \$675. 40 ft. enclosed container \$540. 20 ft. open top container \$450. 20 ft. enclosed container \$360. | er will be | |