

CATERPILLAR PKG. GEN SET (Y)  
 PIRACICABA, BRAZIL

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 TOOLS\*.

List Price at Factory

## AVAILABILITY

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

## GLOSSARY OF TERMS

For product abbreviations go to Power Net at <https://engines.cat.com> Under the applications tab, select TMI Web. Once in TMI select Abbreviations, listed under TMI Definitions/Utilities.

## 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

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## DEALER SPECIFIC PRICING TERMS (CONT.)

individual Cat dealers please use Engine Order Management Process (EOMP) quoting and order tools like CSQ. 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 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.

## ENGINE PACKAGE DESCRIPTION

### ENGINE

Electrical system, 12 VDC  
 Std Air Cleaner - Medium Duty  
 Oil temperature Gauge and Sender (ML1)  
 Coolant and lube drains piped to the edge of base  
 D40-2LC and D50-2LC product includes Electronic Governor  
 D60-4LC product includes A4:E2 electronic engine contrl w/Speed Adjust thru EMCP  
 Tier 3 EPA Approved Emissions Certified  
 EPA certified for stationary use only during defined emergency conditions  
 Outside EPA-regulated territories and in Guam, American Samoa or the Commonwealth of the Northern Mariana Islands, these restrictions do not apply

### INTEGRATED VOLTAGE REGULATOR (Digital):

EM10 Excitation Module  
 Voltage within +/- 0.25% at steady state from no load to full load  
 Provides fast recovery from transient load changes

## CHARGING SYSTEM

CAT Premium High Output Battery(s) with rack & cables  
 Installed (wet); 1000CCA; 90amp hr; 12V.

## CIRCUIT BREAKERS

Optional UL/CSA listed mainline breaker(s)  
 Optional Multiple Breaker(s) 100 % Rated 3-pole w ith solid neutral  
 NEMA 1 steel enclosure  
 Electrical stub-up area directly below circuit breaker

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## CONTROL PANELS

NEMA 1 enclosure  
 Wiring loom  
 DC and Ac wiring harness  
 EMCP 4.2 controls including:  
 std -Run / Auto / Stop Control  
 std -Speed Adjust  
 std -Voltage Adjust  
 std -Engine Cycle Crank  
 std -Emergency Stop pushbutton  
 std -Audible Alarm (PAA1)  
 EMCP 4.2 controller features:  
 std -12-volt DC operation  
 std -Environmental sealed front face  
 std -Text alarm/event descriptions  
 Digital indication for:  
 std -RPM  
 std -DC Volts  
 std -Operating Hours  
 std -Oil Pressure (psi)  
 std -Coolant Temperature  
 std -Volts (L-L & L-N), frequency (Hz)  
 std -Amps (per phase & average)  
 std -Power Factor (per phase & average)  
 std -kW (per phase, average & percent)  
 std -kVA (per phase, average & percent)  
 std -kVAr (per phase, average & percent)  
 std -kW-hr (total)  
 std -kVAr-hr (total)  
 Warning/shutdown with common LED indication of shutdowns for:  
 std -Low Oil Pressure  
 optional -Low Coolant level  
 std -Low Coolant temperature alarm (detects jacket water heater failure)  
 std -High Coolant temperature shutdown  
 Programmable protective relaying functions:  
 std -Generator phase sequence  
 std -Over/Under voltage (27/59)  
 std -Over/Under Frequency (81 o/u)  
 std -Reverse Power (kW) (32)  
 std -Reverse Reactive Power (kVAr) (32RV)  
 std -Overcurrent (50/51)  
 Communications  
 std -Customer DATA link (Modbus RTU)  
 optional -Accessory module DATA link  
 std -RS485 Serial DATA link (terminals only)  
 std -8 programmable digital outputs available  
 std -2 relays pre-programmed  
 optional -4 programmable relay outputs (Form A)  
 std -8 programmable digital inputs available  
 std -2 pre-programmed  
 optional -6 programmable digital inputs  
 optional -1 analog inputs

Compatible with the following optional modules:

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## CONTROL PANELS (CONT.)

optional -Remote CAN annunciator

## COOLING SYSTEM

Radiator and cooling fan complete with protective guards  
 Standard ambient temperatures up to 50degC (122degF)  
 50% coolant antifreeze/corrosion inhibitor

## GENERATORS

GENERATOR SET  
 60Hz  
 Complete system designed and built at ISO 9001:2000 certified facilities  
 Factory tested to design specifications at full load conditions and all protective devices and control functions simulated and checked

GENERATOR  
 Insulation system, class H  
 Drip proof generator air intake (NEMA 2, IP23)  
 Electrical design in accordance with BS5000 Part 99, EN61000-6, IEC60034-1, NEMA MG-1.33

EQUIPMENT FINISH  
 All electroplated hardware or stainless steel  
 Anticorrosive paint protection  
 High gloss polyurethane paint for durability and scuff resistance

QUALITY STANDARDS  
 BS4999, BS5000, BS5514, EN61000-6, IEC60034, NEMA MG-1.33, NFPA 110 (with optional equipment)

## LITERATURE

DOCUMENTATION  
 Operation and maintenance manual pack and OMM Storage Compartment  
 Wiring diagrams included  
 To order extra literature go to:  
<https://oos.midlandcorp.com/cat>.

## MOUNTING SYSTEM

Optional heavy-duty fabricated steel base with lifting points  
 Anti-vibration pads to ensure vibration isolation  
 Stub-up pipe ready for connection to silencer pipework  
 Complete OSHA guarding  
 Flexible fuel lines to base

## GENERAL

Accessories Power Supply Voltage 120V AC  
 AC Receptacle (used for optional jacket water heater and / or battery charger)  
 GFCI AC Receptacle and Wiring

WARRANTY  
 Warranty per SELF5611

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## TOOL SET

AVAILABLE ONLY FROM PARTS DISTRIBUTION

Contains basic tools for regular maintenance; such as wrenches, grease gun, feeler gauges, etc. For a complete breakdown, refer to the Tool Guide for Caterpillar Dealers.

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Ship Weight  
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List Price  
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**PACKAGE SUMMARY**  
**D40-2LC,D50-2LC,D60-4LC**  
**EPA STATIONARY EMERGENCY (EPA TIER 3 EMISSIONS LEVELS)**

**C4.4 PACKAGE SUMMARY 60HZ (600/480/240/208V 3 Phase)**

CATERPILLAR PKG. GEN SET (Y)  
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Model	Volt	Stdby		Prime		Alt Ft	Alt Frame	Arrg No	Stdby		Alt
		kW	kVA	kW	kVA				Temp	Rise	
D40-2LC	600	40	50.0	36	45.0	OGNARB5	LC1524J	467-6048	130/40	105/40	AR
D40-2LC	480	40	50.0	36	45.0	OGNSEAI	LC1514J	467-6043	130/40	105/40	SE
D40-2LC	240	40	50.0	36	45.0	OGNSEAI	LC1514J	467-6043	150/40	125/40	SE
D40-2LC	208	40	50.0	36	45.0	OGNSEAI	LC1514J	467-6043	150/40	125/40	SE
D50-2LC	600	50	62.5	45	56.3	OGNARC1	LC1524N	467-6057	130/40	105/40	AR
D50-2LC	480	50	62.5	45	56.3	OGNSEAK	LC1514N	467-6050	130/40	105/40	SE
D50-2LC	240	50	62.5	45	56.3	OGNSEAL	LC1514P	467-6051	130/40	105/40	SE
D50-2LC	208	50	62.5	45	56.3	OGNSEAL	LC1514P	467-6051	130/40	105/40	SE
D60-4LC	600	60	75.0	55	68.8	OGNARC2	LC1524P	467-6058	130/40	125/40	AR
D60-4LC	480	60	75.0	55	68.8	OGNSEAL	LC1514P	467-6051	130/40	125/10	SE
D60-4LC	240	60	75.0	55	68.8	OGNSEAM	LC3114D	467-6054	105/40	80/40	SE
D60-4LC	208	60	75.0	55	68.8	OGNSEAM	LC3114D	467-6054	105/40	80/40	SE

### C4.4 PACKAGE SUMMARY 60HZ (240/120V 1 Phase)

Model	Volt	kW	kVA	kW	kVA	Alt Ft	Alt Frame	Arrg No	Stby		Alt
									Temp	Rise	
D40-2LC	240	40	40	36	36	OGNSEAP	LCB1514L	467-6047	130/40	105/40	SE
D50-2LC	240	50	50	45	45	OGNSEAQ	LCB1514P	467-6056	130/40	105/40	SE
D60-4LC	240	60	60	55	55	OGNSEAR	LCB3114D	467-6061	105/40	80/40	SE

### D40-4LC, D50-4LC SCAQMD COMPLIANT

### C4.4 PACKAGE SUMMARY 60 HZ (600/480/240/208V 3 Phase)

Model	Volt	Stdby		Prime		Alt Ft	Alt Frame	Arrg No	Stdby		Alt
		kW	kVA	kW	kVA				Temp	Rise	
D40-4LC	600	40	50.0	36	45.0	OGNARB5	LC1524J	467-6048	130/40	105/40	AR
D40-4LC	480	40	50.0	36	45.0	OGNSEAI	LC1514J	467-6043	130/40	105/40	SE
D40-4LC	240	40	50.0	36	45.0	OGNSEAI	LC1514J	467-6043	150/40	125/40	SE
D40-4LC	208	40	50.0	36	45.0	OGNSEAI	LC1514J	467-6043	150/40	125/40	SE
D50-4LC	600	50	62.5	45	56.3	OGNARC1	LC1524N	467-6057	130/40	105/40	AR
D50-4LC	480	50	62.5	45	56.3	OGNSEAK	LC1514N	467-6050	130/40	105/40	SE
D50-4LC	240	50	62.5	45	56.3	OGNSEAL	LC1514P	467-6051	130/40	105/40	SE
D50-4LC	208	50	62.5	45	56.3	OGNSEAL	LC1514P	467-6051	130/40	105/40	SE

### C4.4 PACKAGE SUMMARY 60 HZ (240/120V 1 Phase)

Model	Volt	kW	kVA	kW	kVA	Alt Ft	Alt Frame	Arrg No	Stdby		Alt
									Temp	Rise	
D40-4LC	240	40	40	36	36	OGNSEAP	LCB1514L	467-6047	130/40	105/40	SE
D50-4LC	240	50	50	45	45	OGNSEAQ	LCB1514P	467-6056	130/40	105/40	SE

### MODEL CONFIGURATION 3 PHASE



CATERPILLAR PKG. GEN SET (Y) PIRACICABA, BRAZIL			Ship Weight lbs	List Price At Factory
Y	NAC147P	D40-2LC DIESEL CAT . . . . .	0	\$14,386
Y	NAC230P	D40-4LC SCAQMD COMPLIANT (3P). . . . .	0	\$15,156
Y	NAC148P	D50-2LC DIESEL CAT . . . . .	0	\$15,341
Y	NAC232P	D50-4LC SCAQMD COMPLIANT (3P). . . . .	0	\$16,094
Y	NAC224P	D60-4LC DIESEL CAT . . . . .	0	\$16,475

**MODEL CONFIGURATION  
1 PHASE**

Y	NAC206P	D40-2LC DIESEL CAT (1 PHASE). . . . .	0	\$14,386
Y	NAC231P	D40-4LC SCAQMD COMPLIANT (1P). . . . .	0	\$15,156
Y	NAC207P	D50-2LC DIESEL CAT (1 PHASE). . . . .	0	\$15,341
Y	NAC233P	D50-4LC SCAQMD COMPLIANT (1P). . . . .	0	\$16,094
Y	NAC225P	D60-4LC DIESEL CAT (1 PHASE). . . . .	0	\$16,475

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**UL2200 LISTING**

**CODES & LISTING COMPLIANCE**

Y	TSPCSA1	CANADIAN STANDARDS ASSOC . . . . .	0	\$190 NET
Y	ULLIST	UL 2200 LISTED PACKAGE GEN SET . . . . . TECHNICAL: Requires Oversize Alternator on D40 with 208/120 or 240/120V.	0	\$190 NET

**CERTIFICATION TYPE**

**CODES & LISTING COMPLIANCE**

Y	TSPCSA1	CANADIAN STANDARDS ASSOC . . . . .	0	\$190 NET
Y	ULLIST	UL 2200 LISTED PACKAGE GEN SET . . . . . TECHNICAL: Requires Oversize Alternator on D40 with 208/120 or 240/120V	0	\$190 NET
Y	NR	NO CERTIFICATION . . . . .	0	NC

**VOLTAGE INDICATORS**

Y	VOP610	60Hz 3PH 208/120V . . . . . TECHNICAL: Parallel Star	0	NC
Y	VOP601	480/277V . . . . . TECHNICAL: Series Star	0	NC
Y	VOP606	60HZ 3PH 240/120V . . . . . TECHNICAL: Series Delta	0	NC
Y	VOP612	60HZ 3PH 600/347V . . . . . TECHNICAL: Series Star	0	NC
Y	VOP622	60 HZ 1PH 240/120V . . . . . TECHNICAL: Series	0	NC

**APPLICATION INDICATORS**

**Duty - Rating Type**

Y	STANDBY	STANDBY POWER APPLICATION . . . . . For standby rating	0	NC
Y	PRIMEPA	PRIME POWER APPLICATION . . . . . For prime rating	0	NC

**Rating and Speed (Select One)**

Y	KW00040	60HZ (1800RPM) RATINGS (STDBY) . . . . .  NOTE: Applies to D40-2LC	0	NC
Y	KW00050	60 Hz, 50 kW . . . . .  NOTE: Applies to D50-2LC	0	NC

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

*Rating and Speed (Select One) (Cont.)*

Y	KW00060	60 Hz, 60 kW . . . . .	0	NC
		NOTE: Applies to D60-4LC		
Y	KW00036	60HZ (1800RPM) RATINGS (PRIME) . . . . .	0	NC
		NOTE: Applies to D40-2LC		
Y	KW00045	60HZ (1800RPM) RATINGS (PRIME) . . . . .	0	NC
		NOTE: Applies to D50-2LC		
Y	KW00055	60HZ (1800RPM) RATINGS (PRIME) . . . . .	0	NC
		NOTE: Applies to D60-4LC		

**MARKET SEGMENTATION**

Y	MSEPGGN	<b>GENERAL EPG</b> . . . . . All generator sets (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 building, agricultural, construction, mining, manufacturing, public and civil services. This category should not be used for EP Rental, Petroleum, Locomotive, or Marine electric power applications.	0	NC
Y	MSPMDXQ	<b>END USE: RENTAL EPG</b> . . . . . All generator sets (diesel and gas) utilized in the generation of electrical power for the application "RENTAL." This includes all standard open and enclosed products that will support dealer rental fleets as well as specific EP Rental products (XQ & XQE). This category should not be used for Diesel & Gas EPG (nonrental), Petroleum, Locomotive, or Marine electric power applications Please ensure the selected unit complies with regional emission standards.	0	NC
Y	MSPETDR	<b>PETROLEUM LAND DRILLING</b> . . . . . Engines, transmissions and packages used to drill oil and gas wells (including auxiliary GEN Sets mounted on drill rigs). This includes Petroleum, Industrial, EPG, and Marine price list products.	0	NC

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

Y	MSPETPG	PETRO LAND PROD/PUMPING . . . . . 0		NC
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.				

**GENERATORS**

Y	STDIVR	IVR EM10 . . . . . 0		NC
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**C4.4 SELF EXCITED & OVERSIZED GENERATORS FOR 60HZ PACKAGE GENSETS Available at: 480/277, 240/120 or 208/120 Volts (3 Phase)**

Model (LC)	Volt	Stdby kW	Prime kVA	Alt FC	Alt Frame	Arrg No	Stdby Temp	Prime Rise	Alt	
D40	480	40	50.0	36	45.0	OGNSEAI LC1514J	467-6043	130/40	105/40	SE
D40	240	40	50.0	36	45.0	OGNSEAI LC1514J	467-6043	150/40	125/40	SE
D40	208	40	50.0	36	45.0	OGNSEAI LC1514J	467-6043	150/40	125/40	SE
D40	480	40	50.0	36	45.0	OGNSEAJ LC1514L	467-6044	105/40	80/40	SE OS
D40	240	40	50.0	36	45.0	OGNSEAJ LC1514L	467-6044	130/40	105/40	SE OS
D40	208	40	50.0	36	45.0	OGNSEAJ LC1514L	467-6044	130/40	105/40	SE OS
D50	480	50	62.5	45	56.3	OGNSEAK LC1514N	467-6050	130/40	105/40	SE
D50	240	50	62.5	45	56.3	OGNSEAL LC1514P	467-6051	130/40	105/40	SE
D50	208	50	62.5	45	56.3	OGNSEAL LC1514P	467-6051	130/40	105/40	SE
D50	480	50	62.5	45	56.3	OGNSEAL LC1514P	467-6051	105/40	80/40	SE OS
D50	240	50	62.5	45	56.3	OGNSEAM LC3114D	467-6054	105/40	80/40	SE OS
D50	208	50	62.5	45	56.3	OGNSEAM LC3114D	467-6054	105/40	80/40	SE OS
D60	480	60	75.0	55	68.8	OGNSEAL LC1514P	467-6051	130/40	125/40	SE
D60	240	60	75.0	55	68.8	OGNSEAM LC3114D	467-6054	105/40	80/40	SE
D60	208	60	75.0	55	68.8	OGNSEAM LC3114D	467-6054	105/40	80/40	SE
D60	480	60	75.0	55	68.8	OGNSEAM LC3114D	467-6054	105/40	80/40	SE OS
D60	240	60	75.0	55	68.8	OGNSEAN LC3114F	467-6059	105/40	80/40	SE OS
D60	208	60	75.0	55	68.8	OGNSEAN LC3114F	467-6059	105/40	80/40	SE OS

**Available at: 240/120 Volts (1 Phase)**

D40	240	40	40	36	36	OGNSEAP LCB1514L	467-6047	130/40	105/40	SE
D50	240	50	50	45	45	OGNSEAQ LCB1514P	467-6056	130/40	105/40	SE
D60	240	60	60	55	55	OGNSEAR LCB3114D	467-6061	105/40	80/40	SE

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**GENERATORS (CONT.)  
SELF EXCITED - GENERATORS**

Y	OGNSEAI	SE FRAME: LC1514J ..... 0 Arr: 467-6043  NOTE: Applies to D40-2LC		\$2,688
Y	OGNSEAJ	SE FRAME: LC1514L ..... 0 Arr: 467-6044  NOTE: Applies to D40-2LC		\$2,767
Y	OGNSEAK	SE FRAME: LC1514N ..... 0 Arr: 467-6050  NOTE: Applies to D50-2LC		\$2,897
Y	OGNSEAL	SE FRAME: LC1514P ..... 0 Arr: 467-6051  NOTE: Applies to D50-2LC,D60-4LC		\$3,123
Y	OGNSEAM	SE FRAME: LC3114D ..... 0 Arr: 467-6054  NOTE: Applies to D50-5LC,D60-4LC		\$3,691
Y	OGNSEAN	SE FRAME: LC3114F ..... 0 Arr: 467-6059  NOTE: Applies to D60-4LC		\$4,469
Y	OGNSEAP	SE FRAME: LCB1514L ..... 0 Arr: 467-6047  NOTE: Applies to D40-2LC (1PH)		\$2,767
Y	OGNSEAQ	SE FRAME: LCB1514P ..... 0 Arr: 467-6056  NOTE: Applies to D50-2LC (1PH)		\$3,123
Y	OGNSEAR	SE FRAME: LCB3114D ..... 0 Arr: 467-6061  NOTE: Applies to D60-4LC (1PH)		\$3,691

USE	REF NO.	<b>MANDATORY ATTACHMENTS</b>	Ship Weight lbs	List Price At Factory
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**GENERATORS (CONT.)  
C4.4 GENSET AREP & OVERSIZE GENERATORS  
FOR 60HZ PACKAGE GENSETS  
Available at: 600/346 (3 Phase)**

Model (LC)	Volt	Stdby kW	Prime kVA	Alt kW	FC kVA	Alt	FC	Alt	Frame	Arrg	No	Stdby Temp	Prime Rise	Alt
D40	600	40	50.0	36	45.0	OGNARB5	LC1524J	467-6048	130/40	105/40	AREP			
D40	600	40	50.0	36	45.0	OGNARB6	LC1524L	467-6049	105/40	80/40	AR OS			
D50	600	50	62.5	45	56.3	OGNARC1	LC1524N	467-6057	130/40	105/40	AREP			
D50	600	50	62.5	45	56.3	OGNARC2	LC1524P	467-6058	105/40	80/40	AR OS			
D60	600	60	75.0	55	68.8	OGNARC2	LC1524P	467-6058	130/40	125/40	AREP			
D60	600	60	75.0	55	68.8	OGNARC4	LC3124D	467-6062	105/40	80/40	AR OS			

**AREP - GENERATORS**

Y	OGNARB5	AREP FRAME: LC1524J .....	0	\$3,258
		Arr: 467-6048		
		NOTE: Applies to D40-2LC		
Y	OGNARB6	AREP FRAME: LC1542L .....	0	\$3,337
		Arr: 467-6049		
		NOTE: Applies to D40-2LC		
Y	OGNARC1	AREP FRAME: LC1524N .....	0	\$3,467
		Arr: 467-6057		
		NOTE: Applies to D50-2LC		
Y	OGNARC2	AREP FRAME: LC1524P .....	0	\$3,692
		Arr: 467-6058		
		NOTE: Applies to D50-2LC,D60-4LC		
Y	OGNARC4	AREP FRAME: LC3124D .....	0	\$4,445
		Arr: 467-6062		
		NOTE: Applies to D60-4LC		

**LANGUAGE OPTIONS**

*(Control Panel & Decal Language)*

Y	LANSPAO	LANGUAGE MARKINGS-SPANISH .....	0	NC
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USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**LANGUAGE OPTIONS (CONT.)**

*(Control Panel & Decal Language) (Cont.)*

Y	LANFREO	LANGUAGE MARKINGS-FRENCH . . . . .	0	NC
Y	LANENGO	LANGUAGE MARKINGS-ENGLISH . . . . .	0	NC

**EXTENDED SERVICE COVERAGE**

Must select one of the following Extended Service Coverage contracts for CAT branded commercial power systems. If no ESC is desired, select feature codes for NO ESC.  
See applicable contract @ CatInsurance.CAT.com for \*covered components and exclusions

DEDUCTIBLE -\$0 on all offerings

- \*Silver coverage includes a wide range of covered components
- \*Gold coverage includes all the same items as Silver, as well as turbocharger, fuel nozzles and injectors, and water pumps
- \*Platinum includes all original factory equipment, excluding consumables such as filters, hoses and belts.

Y	ECP2CQF	PLATINUM COVERAGE . . . . .	0	\$570 NET
		NOTE: 2yrs,1500hrs,Prime Power		
Y	ECP2EQF	PLATINUM COVERAGE . . . . .	0	\$730 NET
		NOTE: 2yrs,2000hrs,Prime Power		
Y	ECP2GQF	PLATINUM COVERAGE . . . . .	0	\$870 NET
		NOTE: 2yrs,2500hrs,Prime Power		
Y	ECP5HQF	PLATINUM COVERAGE . . . . .	0	\$1,950 NET
		NOTE: 5yrs,3000hrs,Prime Power		
Y	ECP5LQF	PLATINUM COVERAGE . . . . .	0	\$2,350 NET
		NOTE: 5yrs,4000hrs,Prime Power		
Y	ECP5NQF	PLATINUM COVERAGE . . . . .	0	\$2,950 NET
		NOTE: 5yrs,6000hrs,Prime Power		

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
<b>EXTENDED SERVICE COVERAGE (CONT.)</b>				
Y	ECS5GTF	SILVER COVERAGE . . . . .	0	\$560 NET
		NOTE: 5yrs,2500hrs,Standby		
Y	ECG5GTF	GOLD COVERAGE . . . . .	0	\$840 NET
		NOTE: 5yrs,2500hrs,Standby		
Y	ECP5GTF	PLATINUM COVERAGE . . . . .	0	\$980 NET
		NOTE: 5yrs,2500hrs,Standby		
Y	ECS0MTF	SILVER COVERAGE . . . . .	0	\$1,860 NET
		NOTE: 10yrs,5000hrs,Standby		
Y	ECG0MTF	GOLD COVERAGE . . . . .	0	\$2,790 NET
		NOTE: 10yrs,5000hrs,Standby		
Y	ECP0MTF	PLATINUM COVERAGE . . . . .	0	\$3,250 NET
		NOTE: 10yrs,5000hrs,Standby		
Y	ESCNONE	NO EXTENDED SERVICE COVERAGE . . . . .	0	NC



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

***IBC Seismic Certification***

Y	IBCSCCA	CERTIFICATION OF COMPLIANCE . . . . .	0	\$273 NET
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NOTE: TECHNICAL: Provides IBC Seismic labeling and mounting groups for open and enclosed generator set with or without sub base fuel tanks.  
 REQUIRES: NFPA 110, ULLIST or TSPCSA1 and VIB4 (isolators)

**CHARGING SYSTEM**

Y	PBC10NU	NFPA BATT CHARGER UL10A 120VAC . . . . .	0	\$712
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NOTE: NFPA,UL & CSA Compliant

Y	B1R	BATTERY REMOVAL . . . . .	0	\$-69
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NOTE: Removes battery only; cables and rack supplied

**CONTROL SYSTEM**

***CONTROL PANEL OPTIONS***

Y	NFPA	NFPA110 BUNDLE . . . . .	0	NC
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NOTE: Bundled option to include:  
 Low Coolant temperature alarm  
 Low fuel level alarm & indication panel circuitry required when fuel tank is selected  
 WSS1 Low Coolant level shut down  
 Panel mounted audible alarm  
 PBC10NU NFPA Battery Charger  
 A coolant heater, remote annunciator or 0.8 power factor test may be required depending on the application

Y	CCM0005	CAN2 . . . . .	0	\$42
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SERVICE CONNECTOR HARNESS (Shipped Loose)  
 TECHNICAL: Consists of a service tool connection point with wiring mounted on a bracket that is mounted on the upper section option chassis.  
 Required to re-program annunciators

Y	GFR001	GROUND FAULT RELAY . . . . .	0	\$1,230
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TECHNICAL: GROUND FAULT INDICATION  
 CANNOT BE USED WITH: POWER TERMINAL STRIPS

Y	EMCSDP1	DISCRETE I/O MODULE . . . . .	0	\$528
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Shipped loose.  
 TECHNICAL: Provides 12 programmable spare inputs and eight programmable relay outputs for system expansion.

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

**CONTROL PANEL OPTIONS (Cont.)**

Y	EMGSTP1	<b>REMOTE E-STOP BUTTON</b> ..... 0 TECHNICAL: TWIST RELEASE, RED BUTTON EMERGENCY STOP WITH 2 NORMALLY CLOSED (NC) CONTACTS IN YELLOW/LIGHT GRAY COLOR (TYPE 1,3R,4,4X,12,13) ENCLOSURE WITH SHROUD, UL LISTED.  NOTE: Shipped Loose MAX QTY 4	0	\$102
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**CONTROLS**

Y	VFRCON	<b>VOLT FREE CONTACTS GENSET RUN</b> ..... 0 & COMMON ALARM 1.Main breaker voltage 2.ATS position (Contact from ATS) 3.Battery charger failure (From Battery Charger) 4.Low coolant level 5.Oil pressure 6.Main breaker amperage 7.Fuel tank level (actual level of fuel) NOTE: Requires fuel tank selection 8.Low oil pressure (Alarm) 9.Fuel pressure 10.Normal voltage 11.Radiator coolant temperature 12.System leak detection (Lube Oil and Coolant)	0	\$69
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**CONTROL SYSTEM (CONT.)**

**REMOTE ANNUNCIATOR**

- 1. Emergency Stop Shutdown
- 2. Over Crank
- 3. High Coolant Temperature Shutdown
- 4. High Coolant Temperature Alarm
- 5. Low Coolant Temperature Alarm
- 6. Low Oil Pressure Shutdown
- 7. Low Oil Pressure Alarm
- 8. Overspeed Shutdown
- 9. Low Coolant Level Shutdown
- 10. Low Coolant Level Alarm
- 11. Low Fuel Level Shutdown
- 12. Low Fuel Level Alarm
- 13. Generator Not in Auto - Alarm
- 14. High Battery Voltage Shutdown
- 15. High Battery Voltage Alarm
- 16. Low Battery Voltage Alarm
- 17. Low Cranking Voltage Alarm
- 18. Battery Charger A/C Failure
- 19. EPS Supplying Load
- 20. Engine Running

Y	MCM9EN1	16 CH PROGRAMMABLE ANUNC/ENC . . . . . 0		\$724
		NOTE: CAN Connection programmable Annunciator and Enclosure Shipped Loose MAX QTY 4		
Y	ANNR001	16-LIGHT NFPA 99/110 ANNUNCIAT . . . . . 0		\$766
		TECHNICAL: NFPA 99-110/CSA282 REMOTE ANNUNCIATOR RS-485 with MOUNTING BOX.		
		NOTE: Shipped Loose MAX QTY 4		
Y	ANNR010	16-LIGHT NFPA 99/110 ANNUNCIAT . . . . . 0		\$411
		TECHNICAL: NFPA 99-110/CSA282 REMOTE ANNUNCIATOR RS-485 for FLUSH MOUNTING (BOX NOT INCLUDED)		
		NOTE: Shipped Loose MAX QTY 4		
Y	ANNMB01	ANNUNCIATOR BOX . . . . . 0		\$105
		TECHNICAL: UL LISTED GALVANIZED TYPE 1 BOX FOR MOUNTING OF REMOTE ANNUNCIATOR ANNRO10		
		NOTE: Shipped Loose MAX QTY 4		

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

### REMOTE ANNUNCIATOR (Cont.)

Y	RS485H	RS-485 HARNESS . . . . .	0	\$306
TECHNICAL: ONLY includes terminal connections for RS-485. CANNOT BE USED WITH: annunciators that have terminal connections already include ANNRO01 or ANNRO10.				

### CONFIGURABLE OPTIONS

Note:Maximum number of options will depend on models selected:  
 Maximun options may be selected (NFPA not included) of:

OPTIONS:

- WCA - Low Coolant Temp Alarm (Included with NFPA)
- Fuel Level Reading (Alarms low/High & Shutdown) with fuel tank
- WSS1 - Low Coolant Level Shutdown (Included with NFPA)
- PPO1 - Overload Alarm

### Protective Devices

Y	WCA1	LOW COOLANT TEMPERATURE ALARM . . . . .	0	NC
SET at 69 degree F and off at 80 degree F				
Y	WSS1	LOW COOLANT LEVEL SHUTDOWN . . . . .	0	\$172
Y	PP01	OVERLOAD SHUTDOWN VIA BREAKER . . . . .	0	\$207
REQUIRES: SHTAUX				

NOTE: Breaker trip contact activates shutdown.

## CIRCUIT BREAKERS

3-POLE 100% RATED

CIRCUIT BREAKERS - Reference Tables  
 Package Mounted, Multiple Breaker combination  
 Voltage (L-L)

Rating Voltage	60kWe (FLC)	50kWe (FLC)	40kWe (FLC)	Single Breaker Options		
				T1	T3	T4
600/346	72	60	48	30A-100A	125-225A	250A
480/227	90	75	60	30A-100A	125-225A	250A
240/120	180	150	120	30A-100A	125-225A	250A
208/120	208	174	139	30A-100A	125-225A	250A
240/120 1P	250	208	166	30A-100A	125-225A	250A

### Dual Breaker Combinations

Single Breaker	1st CB		T1		T3	
	Primary+	Secondary	Primary	Secondary	Primary	Secondary
T1 30A-100A	30A-100A	30-100A	30-100A	N/A		
T3 125-225A	125-225A	30-100A	30-100A	125-225A		
T4 250A	250A	30-100A	30-100A	N/A		

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

**3-POLE 100% RATED (Cont.)**

Single Breaker	3rd Breaker Combinations		
	1st CB	2nd CB	T1
T1	30A-100A	30A-100A	30-100A
T3	125-225A	125-225A	30-100A
T4	250A	250A	30-100A

Y	SHTAUX	SHUNT TRIP & AUXILIARY CONTACT	0	\$161
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**BREAKERS (100% UL RATED)**

Note: With Circuit Breaker(s) less than package FLC, Factory Test will ONLY be performed Up To Circuit Breaker capacity

Y	CB0501A	50A BREAKER 100% UL	0	\$380
Y	CB1001A	100A BREAKER 100% UL	0	\$429
Y	CB1501A	150A BREAKER 100% UL	0	\$551
Y	CB2251A	225A BREAKER 100% UL	0	\$551
Y	CB2501C	250A BREAKER 100% UL	0	\$1,413

**DUAL BREAKERS (100% UL RATED)**

Y	NO2NDCB	NO 2ND BREAKER	0	NC
Y	CB0502A	50A BREAKER 100% UL	0	\$380
Y	CB1002A	100A BREAKER 100% UL	0	\$429
Y	CB1502A	150A BREAKER 100% UL	0	\$551

**3RD CB BREAKERS (100% UL RATED)**

Y	NO3RDCB	NO 3RD BREAKER	0	NC
Y	CB0503A	50A BREAKER 100% UL	0	\$380
Y	CB1003A	100A BREAKER 100% UL	0	\$429

**SUITABLE FOR USE AS SERVICE EQUIPMENT - LABEL**

Y	NOSUSEB	NEUTRAL BAR ONLY REQUIRES: / < CB 400 Amps	0	NC
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**CIRCUIT BREAKERS (CONT.)**

**SUITABLE FOR USE AS SERVICE EQUIPMENT - LABEL (Cont.)**

Y	SUSEB	SUSE BAR & LABEL . . . . . 0 REQUIRES: /< CB 400 Amps  NOTE: Only Intalled on Primary Breaker		NC
Y	NOSUSE1	CB1 NEUTRAL BAR ONLY . . . . . 0 REQUIRES: /< CB 400 Amps		\$37
Y	NOSUSE2	CB2 NEUTRAL BAR ONLY . . . . . 0 REQUIRES: /< CB 400 Amps		\$86
Y	NOSUSE3	CB3 NEUTRAL BAR ONLY . . . . . 0 REQUIRES: /< CB 400 Amps		\$135
Y	SUSE1	CB1 SUSE BAR-LABEL . . . . . 0 REQUIRES: /< CB 400 Amps		\$86
Y	SUSE2	CB2 SUSE BAR-LABEL . . . . . 0 REQUIRES: /< CB 400 Amps		\$179
Y	SUSE3	CB3 SUSE BAR-LABEL . . . . . 0 REQUIRES: /< CB 400 Amps		\$281

**POWER TERMINAL STRIPS**

Cannot Be Used With: Circuit Breakers, Shunt Trip & Auxiliary Contacts or overload shutdown.

Y	PTSD13	POWER TERMINAL STRIPS . . . . . 0  NOTE: Requires 3 Phase		\$205
Y	PTSD11	POWER TERMINAL STRIPS . . . . . 0  NOTE: Requires Single Phase		\$115

**COOLING SYSTEM**

Y	CWRESV	COOLANT RESERVOIR . . . . . 0		\$79
Y	STGD	RADIATOR STONE GUARD . . . . . 0  NOTE: Only available on open sets		\$57
Y	WTF1A	RADIATOR TRANSITION FLANGE . . . . . 0  NOTE: Powder-coated sheet steel. Only available on open sets		\$166

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
<b>ENCLOSURES</b>				
Y	OPENWH	OPEN SET WHITE . . . . .	0	NC
Y	OPENCY	OPEN SET YELLOW . . . . .	0	\$255
Y	ENCWPA1	WEATHER PROTECTIVE ENC- WHITE . . . . .	0	\$1,882
Y	ENCWPA2	WEATHER PROTECTIVE ENC- YELLOW . . . . .	0	\$2,392
Y	ENCSA88	SOUND ATTENUATED - WHITE . . . . .	0	\$2,487
		TECHNICAL: Critical Silencer		
Y	ENCSA89	SOUND ATTENUATED - YELLOW . . . . .	0	\$2,997
		TECHNICAL: Critical Silencer		
Y	PVW2	PANEL VIEWING WINDOW . . . . .	0	\$49
Y	IBCWBC2	IBC CERTIFICATION WIND ENC . . . . .	0	\$273 NET
		TECHNICAL: 150mph wind load		
		REQUIRES: Optional sound attenuated enclosure		
<b>HEATING ELEMENTS</b>				
Y	WHH	COOLANT HEATER . . . . .	0	\$329
		TECHNICAL: On at 100 and off at 120 degree F		
Y	WHHH	JACKET WATER HEATER with Pump. . . . .	0	\$1,148
		With Circulating Pump		
		CANNOT BE USED WITH: Integral Fuel Tanks INTF140 or INTF250		
Y	EBH	BATTERY HEATER . . . . .	0	\$215
Y	AH1H	ANTI-CONDENSATION HEATER . . . . .	0	\$345
		NOTE: Installed in generator, shuts down on genset start		
<b>FUEL SYSTEM</b>				
Y	SKID	SKID BASE . . . . .	0	\$1,383
<b>Fuel Tanks (UL &amp; ULC Listed)</b>				
Note:Standard Fuel Fill, UL Rated Emergency-vent,Standard vent, Fuel Sender & Leak Detection Probe to meet UL142 and ULC-S601 listing 125% capacity for diesel fuel leak LABEL:DIESEL FUEL AND GALLONS (LITERS)				
<b>INTEGRAL FUEL TANKS</b>				
Y	INFT140	INTEGRAL FUEL TANK 137 GAL . . . . .	0	\$4,848
Y	INFT250	INTEGRAL FUEL TANK 255 GAL . . . . .	0	\$5,817

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

**SUB-BASE FUEL TANKS**

Y	SBFT140	SUB BASE FUEL TANK 137 GAL . . . . . 0 REQUIRES: SKID		\$4,562
Y	SBFT250	SUB BASE FUEL TANK 255 GAL . . . . . 0 REQUIRES: SKID		\$5,474

**FUEL FILL**

Y	FFLCK	LOCKING FUEL FILL . . . . . 0		NC
Y	FSCO5G	5 GAL SPILL CONTAINMENT . . . . . 0		\$407
Y	FSC5GDT	5 GALL SPILL CONTAIN . . . . . 0 with Drop Tube		\$675
Y	FFOPV	5 GALLON FILL CONTAINMENT . . . . . 0 w/Overflow Prevention		\$1,727
Y	DT48HRB	5 GALLON FILL CONTAINMENT . . . . . 0 w/Overflow Preventin w/t DT		\$1,727

**VENT PIPE**

Y	FVP12FT	STANDARD VENT PIPE . . . . . 0 TECHNICAL: Extension to 12ft above grade (Shipped Loose)		\$353
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**EMERGENCY VENT PIPE**

Y	FFEXV3	3" EMERGENCY VENT PIPE EXT . . . . . 0 TECHNICAL: Extension to 12ft above grade (shipped loose) REQUIRES: FSBT140		\$626
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**TANK RISER**

Y	FTRISE	TANK RISER . . . . . 0 Tank bottom raised 2.5" REQUIRES: Fuel Tank		\$620
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NOTE: Raises tank above foundation slab providing space for inspection underneath fuel tank.  
(Shipped Loose)

**GENERATORS (OVERSIZE & PREMIUM)**

**GENERATOR (OPTIONS)**

Y	PMEXCI3	PERMANENT MAGNET GENERATOR . . . . . 0		\$964
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**MOUNTING SYSTEM**

Y	STDVIB	VIBRATION ISOLATORS . . . . . 0		NC
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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**MOUNTING SYSTEM (CONT.)**

Y	VIB4	SEISMIC VIBRATION ISOLATORS .....	0	\$270
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**SPECIAL PACKING/INSPECTIONS FOR SHIPMENT**

Y	SWP0021	SHRINK WRAP PROTECTION .....	0	\$102 NET
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NOTE: For use with open and enclosed package sets

**TESTS**

Y	STDTEST	PKG GEN SET @ 0.8 PF .....	0	NC
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Y	TST0035	TEST - PKG GEN SET 1.0 PF .....	0	NC
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CANNOT BE USED WITH: STDTEST

Y	TRSGEN7	PGS TEST REPORT @ 0.8 PF .....	0	\$324 NET
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NOTE: Printed test report / 3 phase only

Y	TRSGEN2	PGS TEST REPORT @ 1.0 PF .....	0	\$324 NET
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NOTE: Printed test report

Y	TRSGEN1	GENERATOR TEST REPORT .....	0	\$324 NET
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Y	4HRTLS	4 HOUR TEST (FACTORY) .....	0	\$2,127 NET
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4hr Test (un-witnessed) at 100% rated load, taking readings every 15min intervals and recording the following data:

- 1) Time of reading
- 2) Running time
- 3) Ambient temp in degrees C
- 4) Lube oil pressure in kPa
- 5) Lube oil temp in degrees C
- 6) Engine coolant temp in degrees C
- 7) Exhaust stack temp in degrees C
- 8) Alternator voltage: phase 1,2,3
- 9) Alternator current: phase 1,2,3
- 10)Power in kW
- 11)Frequency in Hz
- 12)Power Factor
- 13)Alternator cooling air outlet temps

REQUIRES: Full load current single circuit breaker or combination of multiple breakers

NOTE: This option impacts RTS dates