

GAS PKG. GEN SET (I)
SEGUIN, TEXAS

Ship Weight
lbs

List Price
At Factory

Product Consist:

NOT for Sale in Candada DG80

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

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 individual Cat dealers please use Engine Order Management Process (EOMP) quoting and order tool like CSQ. For questions or

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DEALER SPECIFIC PRICING TERMS (CONT.)

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.

ENGINE PACKAGE DESCRIPTION

ENGINE
Gas Engine
Electrical system,12 VDC
Std Air Cleaner (STDAIR)
Oil temperature Gauge and Sender (ML1)
Coolant and lube drains piped to the edge of base
DG50-2,DG60-2 and DG80-2 product includes Electronic Governor engine contrl w/Speed Adjust thru EMCP

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 with rack & cables
Installed (wet) 1000CCA;90amp hr;12V

CIRCUIT BREAKERS

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

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

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CONTROL PANELS (CONT.)

- std -Voltage Adjust
 - std -Engine Cycle Crank
 - std -Emergency Stop pushbutton
 - std -Audible Alarm
 - 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
 - opt -Low Coolant level
 - std -Low Coolant temperature alarm-detects jacket water heater failure (WCA1)
 - 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)
 - opt -Accessory module DATA link
 - std -RS485 Serial DATA link (terminals only)
 - std -8 programmable digital outputs available
 - std -2 relays pre-programmed
 - opt -4 programmable relay outputs (Form A)
 - std -8 programmable digital inputs available
 - std -2 pre-programmed
 - opt -6 programmable digital inputs
 - opt -1 analog inputs
- Compatible with the following optional modules:
- opt -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

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GENERATORS

GENERATOR SET
 60Hz

Complete system designed & 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
 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)

MOUNTING SYSTEM

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 line to connect supply line to package

GENERAL

Accessories Power Supply Voltage 120V AC
 AC Receptacle (used for optional jacket water heater and / or
 battery charger
 GFCI AC Receptacle and Wiring
 Standard Pete's Port for pressure measurement
 WARRANTY per SELF5611-01

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>.

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.

G80 PGAM

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PACKAGE SUMMARY

DG50, DG60, G80

EPA STATIONARY EMERGENCY (EMISSIONS LEVELS).

PACKAGE SUMMARY 60 HZ (600/480/240/208V 3 Phase & 240V 1 Phase)

GAS PKG. GEN SET (I) Ship Weight List Price
 SEGUIN, TEXAS lbs At Factory

Model	Volts	Nat Gas		LPG		Alt		Alt	Frame	Arrg No	Stdby	
		Standby	Alt	Standby	Alt	Ft	Cd				Temp	Rise
3PH DG50	600	50	62	50	62	OGNARC1	LC1524N			467-6057	130/40	AREP
3PH DG50	480	50	62	50	62	OGNSEAK	LC1514N			467-6050	130/40	SE
3PH DG50	240	50	62	50	62	OGNSEAL	LC1514P			467-6051	130/40	SE
3PH DG50	208	50	62	50	62	OGNSEAL	LC1514P			467-6051	130/40	SE
1PH DG50	240	50	50	50	50	OGNSEAQ	LCB1514P			467-6056	130/40	SE1P
3PH DG60	600	60	75	60	75	OGNARC2	LC1524P			467-6058	130/40	AREP
3PH DG60	480	60	75	60	75	OGNSEAL	LC1514P			467-6051	130/40	SE
3PH DG60	240	60	75	60	75	OGNSEAM	LC3114D			467-6054	105/40	SE
3PH DG60	208	60	75	60	75	OGNSEAM	LC3114D			467-6054	105/40	SE
1PH DG60	240	60	60	60	60	OGNSEAR	LCB3114D			467-6061	105/40	SE1P
3PH DG80	600	80	100	na	na	OGNARC4	LC3124D			467-6062	105/40	AREP
3PH DG80	480	80	100	na	na	OGNSEAM	LC3114D			467-6054	105/40	SE
3PH DG80	240	80	100	na	na	OGNSEAM	LC3114D			467-6054	105/40	SE
3PH DG80	208	80	100	na	na	OGNSEAM	LC3114D			467-6054	105/40	SE
1PH DG80	240	80	80	na	na	OGNSEAR	LCB3114D			467-6061	130/40	SE1P
OS DG50	600	50	62	50	62	OGNARC2	LC1524P			467-6058	105/40	AREP
OS DG50	480	50	62	50	62	OGNSEAL	LC1514P			467-6051	105/40	SE
OS DG50	240	50	62	50	62	OGNSEAM	LC3114D			467-6054	105/40	SE
OS DG50	208	50	62	50	62	OGNSEAM	LC3114D			467-6054	105/40	SE
OS DG60	600	60	75	60	75	OGNARC4	LC3124D			467-6062	105/40	AREP
OS DG60	480	60	75	60	75	OGNSEAM	LC3114D			467-6054	105/40	SE
OS DG60	240	60	75	60	75	OGNSEAN	LC3114F			467-6059	105/40	SE
OS DG60	208	60	75	60	75	OGNSEAN	LC3114F			467-6059	105/40	SE
OS DG80	600	80	100	na	na	OGNARC8	LC3124F			491-5644	105/40	AREP
OS DG80	480	80	100	na	na	OGNSEAN	LC3114F			467-6059	105/40	SE
OS DG80	240	80	100	na	na	OGNSEAN	LC3114F			467-6059	105/40	SE
OS DG80	208	80	100	na	na	OGNSEAN	LC3114F			467-6059	105/40	SE

Key OS:Oversize

MODEL CONFIGURATION 3 PHASE

Y	57LGE01	DG50-2 (3 PHASE)	0	\$17,267
Y	57LGE07	DG50-4 SCAQMD COMPLIANT (3P)	0	\$19,597
Y	57LGE03	DG60-2 (3 PHASE)	0	\$20,370
Y	57LGE09	DG60-4 (SCAQMD COMPLIANT (3P)	0	\$22,700
Y	57LGE05	DG80-2 (SCAQMD Compliant (3P).	0	\$23,066

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Y	57LGE02	DG50-2 (1 PHASE)	0	\$17,267
Y	57LGE08	DG50-4 SCAQMD COMPLIANT (1P)	0	\$19,597
Y	57LGE04	DG60-2 (1 PHASE)	0	\$20,370
Y	57LGE10	DG60-4 (SCAQMD COMPLIANT (1P)	0	\$22,700
Y	57LGE06	DG60-4 (SCAQMD Compliant (1P)	0	\$23,066

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

Y	60H240	60HZ 3P 240/120V	0	NC
Y	60H240S	60HZ 1P 240/120V	0	NC
Y	60H480	60Hz 3P 480/277V	0	NC
Y	60H208	60Hz 3P 208/120V	0	NC
Y	60H600	60Hz 3P 600/346V	0	NC

CERTIFICATIONS

Y	EPA	EPA CERT	0	NC
<p>NOTE: EPA certified for stationary use only during defined emergency conditions. Outside EPA-regulated territories these restrictions do not apply.</p>				

Y	SCAQMD	S COAST AIR QAULTY MGMt DIST	0	NC
<p>NOTE: Meets SCAQMD air quality regulatory requirements AND EPA regulatory compliance. EPA certified for stationary use only during defined emergency Conditions. Outside EPA-regulated territories these restrictions do not apply.</p>				

CODES & LISTING COMPLIANCE

Y	TSPCSA1	CANADIAN STANDARDS ASSOC	0	\$190 NET
Y	ULLIST	UL 2200 LISTED PACKAGE GEN SET	0	\$190 NET
Y	NFPA	NFPA110 BUNDLE		
<p>NOTE: Bundled option to include: WSS1 Low Coolant level shut down WCA1 or WCA2 Low Coolant temperature alarm PBC10NU NFPA Battery Charger A coolant heater,remote annunciator or 0.8 power factor test may be required depending on the application</p>				

Y	IBCWBC1	IBC CERTIFICATION WIND ENC	0	\$273 NET
<p>NOTE: TECHNICAL: 180mph wind load</p>				

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

Duty - Rating Type

Y	STANDBY	STANDBY POWER APPLICATION 0 For standby rating		NC
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Rating and Speed

Y	KW00050	60 Hz, 50 kW 0		NC
Y	KW00060	60 Hz, 60 kW 0		NC
Y	KW00080	60 Hz, 80 kW 0 CANNOT BE USED WITH: LPGV		NC

MARKET SEGMENTATION

Y	MSEPGGN	GENERAL EPG 0 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.		NC
Y	MSPMDXQ	END USE: RENTAL EPG 0 All generator sets (diesel and gas) utilized in the generation of electrical power for the application "RENTAL." This includes all standard open and enclosed products that will support dealer rental fleets as well as specific EP Rental products (XQ & XQE). This category should not be used for Diesel & Gas EPG (nonrental), Petroleum, Locomotive, or Marine electric power applications Please ensure the selected unit complies with regional emission standards.		NC

CIRCUIT BREAKERS

3-POLE 100% RATED CIRCUIT BREAKERS - Reference Tables Package Mounted, Multiple Breaker combination Voltage (L-L)

Rating Voltage	50We (FLC)	60We (FLC)	80We (FLC)	Single Breaker Options			
				T1	T3	T4	T5
600/346	60	72	96	50A-100A	150-225A	250A	400A
480/277	75	90	120	50A-100A	150-225A	250A	400A
240/120	150	180	241	50A-100A	150-225A	250A	400A
208/120	174	208	278	50A-100A	150-225A	250A	400A
240/120 1P	208	250	333	50A-100A	150-225A	250A	400A

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

Dual Breaker Combinations

Single Breaker	1st CB	T1	T3	Secondary
T1	50A-100A	50-100A	50-100A	NA
T3	150-225A	125-225A	50-100A	125-225A
T4	250A	250A	50-100A	NA

3rd Breaker Combinations

Single Breaker	1st CB	2nd CB	T1	Third
T1	50A-100A	50-100A	50-100A	50-100A
T3	150-225A	150-225A	50-100A	50-100A
T4	250A	250A	50-100A	50-100A

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

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
Y	CB4001A	400A BREAKER 100% UL	0	\$1,240

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

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

SUITABLE FOR USE AS SERVICE EQUIPMENT - LABEL

Y	NOSUSEB	NEUTRAL BAR ONLY	0	NC
Y	NOSUSE1	CB1 NEUTRAL BAR ONLY	0	\$37
Y	NOSUSE2	CB2 NEUTRAL BAR ONLY	0	\$86
	NOSUSE3	CB3 NEUTRAL BAR ONLY	0	\$135
Y	SUSEB	SUSE BAR & LABEL	0	NC
Y	SUSE1	CB1 SUSE BAR-LABEL	0	\$86
Y	SUSE2	CB2 SUSE BAR-LABEL	0	\$179
Y	SUSE3	CB3 SUSE BAR-LABEL	0	\$281

POWER TERMINAL STRIPS

Y	PTSD13	POWER TERMINAL STRIPS	0	\$205
Y	PTSD11	POWER TERMINAL STRIPS	0	\$115

FUEL SYSTEM

Primary Fuel

ONLY one fuel provided from factory for field conversion contact ASC

Y	NATG	NATURAL GAS	0	NC
Y	LPGV	LPG VAPOUR CANNOT BE USED WITH: DG80-2	0	NC

Fuel System

Y	GTFPRST	STANDARD FUEL SYSTEM	0	NC
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GENERAL

AIR FILTER

Y	STDAIR	SINGLE ELEMENT AIR FILTER	0	NC
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GENERATORS

GENERATOR (OPTIONS)

Y	STDIVR	IVR EM10	0	NC
Y	PMEXCI3	PERMANENT MAGNET GENERATOR TECHNICAL: Adds an independent source of excitation.	0	\$964

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

SELF EXCITED - GENERATORS

Y	OGNSEAK	SE FRAME: LC1514N Arragt: 467-6050	0	\$2,897
Y	OGNSEAL	SE FRAME: LC1514P Arragt: 467-6051	0	\$3,123
Y	OGNSEAM	SE FRAME: LC3114D Arragt: 467-6054	0	\$3,691
Y	OGNSEAN	SE FRAME: LC3114F Arragt: 467-6059	0	\$4,469
Y	OGNSEAQ	SE FRAME: LCB1514P Arragt: 467-6056	0	\$3,123
Y	OGNSEAR	SE FRAME: LCB3114D Arr: 467-6061	0	\$3,691

AREP - GENERATORS

Y	OGNARC1	AREP FRAME: LC1524N Arragt: 467-6057	0	\$3,467
Y	OGNARC2	AREP FRAME: LC1524P Arragt: 467-6058	0	\$3,692
Y	OGNARC4	AREP FRAME: LC3124D Arr: 467-6062	0	\$4,445
Y	OGNARC8	AREP FRAME: LC3124F Arr: 491-5644	0	\$4,770

LANGUAGE OPTIONS

Y	ENGLISH	ENGLISH LANGUAGE	0	NC
Y	SPANISH	SPANISH LANGUAGE	0	NC
Y	FRENCH	FRENCH LANGUAGE	0	NC

EXTENDED SERVICE COVERAGE

Cat Branded Commercial Power Systems.

Customer must select one of the following feature codes for Cat branded commercial power systems. If no ESC is desired, use feature code corresponding to 'No Extended Service Coverage' at the bottom of the list.

For coverage details, including covered components and exclusions, applicable contract (<https://Dealer.cat.com/ESC>). All options are \$0 deductible.

Y	ECJ3DO1	PLATINUM COVERAGE Stby Gen Only 36M/1500h/\$0Ded	0	\$420 NET
Y	ECJ5FO1	PLATINUM COVERAGE Stby Gen Only 60M/2500h/\$0Ded	0	\$1,330 NET
Y	ECN3DO1	PLATINUM PLUS COVERAGE Stby Gen Only 36M/1500h/\$0Ded	0	\$480 NET
Y	ECN5FO1	PLATINUM PLUS COVERAGE Stby Gen Only:60M/2500h/\$0Ded	0	\$1,520 NET

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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EXTENDED SERVICE COVERAGE (CONT.)

Cat Branded Commercial Power Systems. (Cont.)

Y	ESCNONE	NO EXTENDED SERVICE COVERAGE 0		NC
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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CHARGING SYSTEM

Y	PBC10NU	NFPA BATT CHARGER UL10A 120VAC	0	\$712
Y	B1RA	BATTERY REMOVAL	0	\$-69

CONTROL SYSTEM

Y	CCM0005	CAN2 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 Required to re-program annunciators	0	\$42
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Y	VFRCON	VOLT FREE CONTACTS GENSET RUN & 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.Low oil pressure (Alarm) 8.Normal voltage 9.Radiator coolant temperature	0	\$69
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Y	MCM9EN1	16 CH PROGRAMMABLE ANUNC/ENC 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 (not applicable with Gas) 12.Low Fuel Level Alarm (not applicable with Gas) 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	0	\$724
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NOTE: CAN Connection programmable Annunciator and Enclosure
 Shipped Loose
 MAX QTY 4

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

Y	ANNR001	16-LIGHT NFPA 99/110 ANNUNCIAT	0	\$766
		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 (not applicable with Gas)		
		12.Low Fuel Level Alarm (not applicable with Gas)		
		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		

NOTE: NFPA 99-110/CSA282 REMOTE ANNUNCIATOR
 RS-485 with MOUNTING BOX.
 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.)

Y	ANNR010	16-LIGHT NFPA 99/110 ANNUNCIAT 0 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 (not applicable with Gas) 12.Low Fuel Level Alarm (not applicable with Gas) 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 NOTE: NFPA 99-110/CSA282 REMOTE ANNUNCIATOR RS-485 for FLUSH MOUNTING (BOX NOT INCLUDED) NOTE: Shipped Loose MAX QTY 4	0	\$383
Y	ANNMB01	ANNUNCIATOR BOX 0 TECHNICAL: UL LISTED GALVANIZED TYPE 1 BOX FOR MOUNTING OF REMOTE ANNUNCIATOR ANNR010 NOTE: Shipped Loose MAX QTY 4	0	\$105
Y	RS485H	RS-485 HARNESS 0 TECHNICAL: ONLY includes terminal connections for RS-485. CANNOT BE USED WITH: annunciators that have terminal connections already include ANNR001 or ANNR010.	0	\$306
Y	EMGSTP1	REMOTE E-STOP BUTTON 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 NOTE: Shipped Loose MAX QTY 4	0	\$102

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

CONFIGURABLE OPTIONS

Maximum number of options will depend on model selected:
 Maximun options may be selected (NFPA not included) of:
 OPTIONS:
 WCA - Low Coolant Temp Alarm (Included with NFPA)
 WSS1 - Low Coolant Level Shutdown (Included with NFPA)
 PPO1 - Overload Alarm

Protective Devices

Y	WCA1	LOW COOLANT TEMPERATURE ALARM	0	NC
Y	WSS1	LOW COOLANT LEVEL SHUTDOWN	0	\$172
Y	GFR001	GROUND FAULT RELAY	0	\$1,230
		CANNOT BE USED WITH: POWER TERMINAL STRIPS		
Y	PPO1	OVERLOAD SHUTDOWN VIA BREAKER	0	\$207
		REQUIRES: SHTAUX		
		NOTE: Breaker trip contact activates shutdown.		
Y	EMCSDP1	DISCRETE I/O MODULE	0	\$528
		TECHNICAL: Ships Loose		
Y	LPGSD01	LOW FUEL PRESSURE ALARM	0	\$31

COOLING SYSTEM

Y	CWRESV	COOLANT RESERVOIR	0	\$79
Y	STGD	RADIATOR STONE GUARD	0	\$57
		CANNOT BE USED WITH ENCLOSURE		
Y	WTF1A	RADIATOR TRANSITION FLANGE	0	\$239
		CANNOT BE USED WITH ENCLOSURE		

ENCLOSURES

Y	OPENWHT	OPEN SET WHITE	0	NC
Y	OPENYEL	OPEN SET YELLOW	0	\$250
Y	ENCSAF3	SOUND ATTENUATED L1 - WHITE	0	\$4,758
Y	ENCSAF4	SOUND ATTENUATED L1 - YELLOW	0	\$5,268
Y	ENCSAF7	SOUND ATTENUATED L2 - WHITE	0	\$6,696
		CANNOT BE USED WITH: DG80-2		
Y	ENCSAF8	SOUND ATTENUATED L2 - YELLOW	0	\$7,206
		CANNOT BE USED WITH: DG80-2		
Y	ENCWPA6	WEATHER PROTECTIVE ENC- WHITE	0	\$3,337

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
ENCLOSURES (CONT.)				
Y	ENCWPA7	WEATHER PROTECTIVE ENC- YELLOW	0	\$3,847
Y	NPVW	PANEL DOOR	0	NC
Y	PVW2	PANEL VIEWING WINDOW	0	\$49
HEATING ELEMENTS				
Y	WHH	COOLANT HEATER	0	\$303
Y	AH1H	ANTI-CONDENSATION HEATER	0	\$345
		CANNOT BE USED WITH ULLIST or TSPCSA1		
Y	EBH	BATTERY HEATER	0	\$215
		CANNOT BE USED WITH ULLIST or TSPCSA1		
Y	EOS120	LUBE OIL HEATER 120VAC	0	\$213
		CANNOT BE USED WITH ULLIST or TSPCSA1		
MOUNTING SYSTEM				
Y	STDVIB	VIBRATION ISOLATORS	0	NC
SPECIAL PACKING/INSPECTIONS FOR SHIPMENT				
Y	SWP0021	SHRINK WRAP PROTECTION	0	\$102 NET
		NOTE: for use with open package sets		
TESTS				
Y	STDTEST	PKG GEN SET @ 0.8 PF	0	NC
		TECHNICAL: 3 Phase @ 0.8PF only		
		NOTE: FACTORY TEST ONLY (NOT A REPORT)		
Y	TST0035	TEST - PKG GEN SET 1.0 PF	0	NC
		CANNOT BE USED WITH: STDTEST		
		NOTE: FACTORY TEST ONLY (NOT A REPORT)		
		Required with 1 Phase		
Y	TRSGEN1	GENERATOR TEST REPORT	0	\$324 NET
Y	TRSGEN2	PGS TEST REPORT @ 1.0 PF	0	\$324 NET
		1.0 PF Test Report (printed report)		

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

Y	TRSGEN7	PGS TEST REPORT @ 0.8 PF 0 0.8 PF Test Report (printed report) NOTE: 3 Phase only		\$324 NET
Y	4HRTLS	4 HOUR TEST (FACTORY) 0 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		\$2,127 NET