

# S0300-BV-CAT-010

GENERATOR, 30-KW, DSL, 120/240/440-V AC, 1-PH/3-PH

System - S12300



**30-kW Diesel Generator System S12300**

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The 30-kW Diesel Generator System S12300 consists of a portable skid-mounted generator with associated spare parts kit. The generator allows the end user to meet various on-site equipment voltage, phase, and load capacity requirements. The generator can be configured to provide up to 30 kW of continuous single or three-phase electrical power ranging from 120 to 440 volts ac.

## System Components for S12300

Alternates

ESSM No	Nomenclature	Type	Qty	NS	Cont
<b>CP3010</b>	CONTAINMENT POOL, MCHRY, 10' X 6' X 12"	BL	1		
<b>GE0460</b>	GENERATOR, 30-KW, DIESEL, MODEL CJ4D30SQ	BL	1		Y
GE0461	SPARE PARTS KIT, FOR GE0460 GENERATOR	Contents	1		

Baseline verified on 8/1/2014, \* Not shown in catalog.

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### ESSM - CP3010 CONTAINMENT POOL, MCHRY, 10' X 6' X 12"



CP3010 Folded



Machinery Containment Pool CP3010

The Machinery Containment Pool CP3010 is a 10' x 6' x 12" urethane berm. It is used to provide a means of catching and containing any oil, fuel, or contaminants, leaking or spilled from the operating equipment it contains.

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## Specifications

Type	Description	Qty
Manufacturer	Basic Concepts	
Model	1003-00449-201A	

## Physical Characteristics

Type .....	Descriptions .....		
	Shipping	Operating	
Length	3 ft, 3 in	10 ft, 0 in	
Width	2 ft, 5 in	6 ft, 0 in	
Height	0 ft, 9 in	1 ft, 0 in	
Cube	6 cu ft	60 cu ft	
Footprint	8 sq ft	60 sq ft	
Weight	70 lbs	70 lbs	

## References

Ref No	Reference
1	None

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## ESSM - GE0460 GENERATOR, 30-KW, DIESEL, MODEL CJ4D30SQ



30-kW Diesel Generator GE0460



GE0460 Electrical Connections

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The 30-kW Diesel Generator GE0460 is a fully enclosed, self-contained, portable, skid-mounted unit, equipped with forklift slots and integral tie-down and lift points to facilitate handling. The brushless ac generator with a permanent magnet exciter is capable of starting a 25-horsepower, 3-phase, 440-V ac motor with a nameplate rating of up to 38 amperes. Voltage can be set to 208/240 or 480 V ac by means of a two-position selector switch. The generator is designed to operate single or 3-phase motors, lighting, or other equipment. Power is distributed via four main 208/240- or 480-volt, 3-phase distribution terminals or receptacles; three 125/250-volt, single phase, twist-lock power receptacles; and two 120-volt single-phase ground fault interrupter (GFI) receptacles. For cold weather operations a 120-volt power source may be required to operate a 1500-watt engine heating system.

## Specifications

Type	Description	Qty
Manufacturer	Coleman Engineering	
Model	CJ430SQ	
<b>Generator:</b>		
Manufacturer	Newage International	
Model	UC1224D13	
Load capacity @60Hz	37 kW (3-phase), 21.6 kW (single-phase)	
Voltage: phase	208/240/480: 1-ph/3-ph; 120: 1-ph	
<b>Engine:</b>		
Manufacturer	John Deere	
Model	4039D	
No. cylinders	4	
Starting system	12 V dc	
Fuel	Diesel	
Fuel source	69-gal. fuel tank w/pickup tube, hoses	
Fuel consumption	3.23 gph	

## Physical Characteristics

Type .....	Descriptions .....		
	Shipping	Operating	
Length	7 ft, 6 in	7 ft, 6 in	
Width	3 ft, 9 in	3 ft, 9 in	
Height	4 ft, 7 in	4 ft, 7 in	
Cube	129 cu ft	129 cu ft	
Footprint	29 sq ft	29 sq ft	
Weight (w/o fuel)	4217 lb		
Weight (75% fuel)	4605 lb	4605 lb	

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## References

Ref No	Reference
1	Commercial Off-The-Shelf (COTS) Manual, Mobile Electrical Power Unit, 30-kW, GE0460
2	Description, Operation, Maintenance, and Illustrated Parts Breakdown (NAVSEA S6269-AZ-MMO-010)
3	Operator's Manual, John Deere, OMRG18293
4	Component Technical Manual, John Deere, CTM8 (23 Feb 95)
5	Installation, Service, and Maintenance Manual for AC Generators: UC1, UCM, and UCD 224 and 274, Newage International
6	Parts Catalog, John Deere, PC2305 (April 1995)

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## ESSM - GE0461 SPARE PARTS KIT, FOR GE0460 GENERATOR



Spare Parts Kit GE0461

The Spare Parts Kit GE0461 contains the items necessary to support the operation and maintenance of one GE0460 Generator.

### Specifications

Type	Description	Qty
Manufacturer	ESSM Facility	
Model	GE0461	
The kit contains the following items major items:		
Container, Spare Parts, 14" x 8" x 12":		1
Element, filter, air		1
Element, filter, fuel		1
Element, filter, oil		1
Fuel-water separator, Racor		1
Inventory, laminated		1
V-belt		1



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## Physical Characteristics

Type .....	Descriptions .....		
	Shipping		
Length	1 ft, 4 in		
Width	0 ft, 8 in		
Height	1 ft, 0 in		
Cube	1 cu ft		
Footprint	1 sq ft		
Weight	10 lb		

## References

Ref No	Reference
1	None