

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
CP3010	CONTAINMENT POOL, MCHRY, 10' X 6' X 12"	BL	1		
GE0460	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	
Generator:		
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	
Engine:		
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