Generadores Gamma

GPLS-31-I Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
GPLS-31-I	60Hz/1800RPM	30.8KW	28KW
		38.5KVA	35KVA

* Voltages: 220/127V

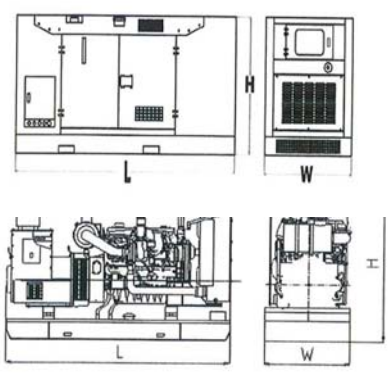
(1) Prime Power: Ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity.
(2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
(3) Operation at Altitude ≤1000m, Ambient temperature ≤ 40℃).If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics

Model	GPLS-31-I
Engine	Perkins 1103A-33G
Alternator	Leroy Somer TAL-A42-E
Speed Control Type	Electrical
Phase	3
System Voltage	12
Frequency	60Hz
Engine Sped(RPM)	1800
Controller Model	AMF InteliLite 9 or DEEPSEA DSE6020)

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	1780mm	2250mm
Width (W)	750mm	850mm
Height (H)	1480mm	1290mm
Net Weigh (KG)	800KG	1000KG



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Engine Specification

Brand		Perkins
Model		1103A-33G
No. of Cylinders and Cycle		3L, 4 Stroke
Compression Ratio		19.25:1
Displacement (L)		3,3
Bore x Stroke (mm)		105 x 127
Piston Speed (m/s)		6,35
Air Intake Flow (L/s)		36
Exhaust Flow (L/s)		95
Net Engine Weight (kg)		412
Starting System		Electronic
Engine Coolant Flow (L/s)		2,09
Base Output Power (kW)		28,2
Fuel Consumption (L/h)	110% load	7,9
	100% load	7,1
	75% load	5,4
	50% load	3,9

Cooling System	Thermostat adjusting temperature (℃)	82-93
	Minimum Pressure of Radiator Cap (kPA)	107
	Coolant capacity-engine only(L)	4,4
Lubricating System	Low idle (kPA)	276
	Rated speed (kPA)	470
	Max. oil temperature permitted in oil pan (℃)	125
	Lubrication system Min. capacity (L)	6,2
Exhaust System	Max. Back Pressure (kPA)	8
Electrical System	Starter (V)	12
	Battery charging system (A)	65

Alternator Specification

Poles	No.	4
Connection type (standard)		VOLTAGE SERIES STAR
Insulation		Class" H"
Enclosure (according IEC-34-5)		IP23
Exciter system		P.M.G.
Voltage regulator		A.V.R. (Electronic)
Bracket type		Single bearing
Coupling system		Flexible disc
Coating type		Standard (Vacuum impregnation)

*Alternator meets BS EN 60034 and the relevant section of other international standards such as BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2 and AS1359.

Options

Engine

- Jacket Water Preheater
- Oil Preheater

Generator Sets

- Tools with the machine

Fuel System

- Low fuel level alarm
- Automatic fuel feeding system
- Fuel T-valves

Control Panel

- Remote control panel
- ATS
- Remote controller
- Synchronizing controller

Alternator

- Winding temperature measuring instrument
- Alternator Preheater
- Anti-damp and anti-corrosion treatment
- Anti-condensation heater

Canopy

- Rental type canopy
- Trailer

Exhaust System

- Protection board from heat

Cooling System

- Front heat protection
- Coolant (-30℃)

Lubricating System

- With machine oil

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Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

Control	Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank
Indications	Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVAr, kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge)
Warning & Shutdown Alarms	Generator Over/Under Voltage & Frequency Crank Disconnect (Failure to Start) Under/Over Speed Over Current Low oil pressure High Water Temperature Low Fuel Level Low Water Level
Features	IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)

AMF InteliLite 9

DSE6020