



GPLS-66-I

Powered by Perkins

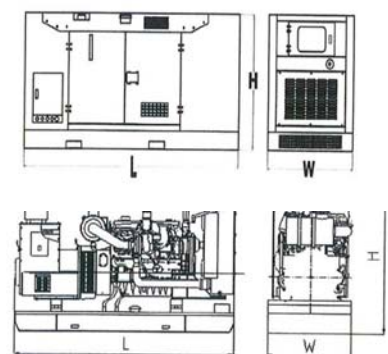
Model	Frequency/RPM	Standby Power	Prime Power
GPLS-66-I	60Hz/1800RPM	66KW	60KW
		82.5KVA	75KVA

* 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 $\leq 1000\text{m}$, Ambient temperature $\leq 40^{\circ}\text{C}$. If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics	
Model	GPLS-66-I
Engine	Perkins 1104A-44TG1
Alternator	Leroy Somer TAL-A42-E
Speed Control Type	Electrical
Phase	3
System Voltage	12
Frequency	60Hz
Engine Sped(RPM)	1500
Controller Model	AMF IntelliLite 9 or DEEPSEA DSE6020)

Dimensions		
DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	2000mm	2670mm
Width (W)	980mm	1080mm
Height (H)	1500mm	1875mm
Net Weigh (KG)	1100kg	1600KG



Engine Specification

Brand		Perkins
Model		1104A-44TG1
No. of Cylinders and Cycle		4L, 4 Stroke
Compression Ratio		17.25:1
Displacement (L)		4,4
Bore x Stroke (mm)		105 x 127
Piston Speed (m/s)		6,35
Air Intake Flow (L/s)		66,67
Exhaust Flow (L/s)		175
Net Engine Weight (kg)		463
Starting System		Electronic
Engine Coolant Flow (L/s)		2,37
Base Output Power (kW)		59,6
Fuel Consumption (L/h)	110% load	16,5
	100% load	14,8
	75% load	11,2
	50% load	8.0

Cooling System	Thermostat adjusting temperature (°C)	82-93
	Minimum Pressure of Radiator Cap (kPA)	107
	Coolant capacity-engine only(L)	7
Lubricating System	Low idle (kPA)	276
	Rated speed (kPA)	470
	Max. oil temperature permitted in oil pan (°C)	125
	Lubrication system Min. capacity (L)	5,5
Exhaust System	Max. Back Pressure (kPA)	10
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°C)

Lubricating System

- With machine oil

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	AMF IntelliLite 9
	3 Phase Generator Voltage Sensing & Monitoring	
	Current Protection & Monitoring	
	Power Measurement (kW, kVA, kVA _r , kWh, kVAh, pf)	
	Frequency Monitoring (Hz)	
	Oil Pressure/Coolant Temperature/Fuel Level Monitoring	
	Battery Voltage Monitoring (DC)	
Warning & Shutdown Alarms	Alarm (Acknowledge)	
	Generator Over/Under Voltage & Frequency	
	Crank Disconnect (Failure to Start)	
	Under/Over Speed	
	Over Current	
	Low oil pressure	
	High Water Temperature	
Features	Low Fuel Level	DSE6020
	Low Water Level	
	IP 65 (if ordered with gasket)	
	Basic Scheduler	
	8 - 35V DC Supply	
	Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)	
	Event Log (5 shutdowns)	