

Powered by Cummins

GCLS-140-I

Model	Frequency/RPM	Standby Power	Prime Power
GCLS-140-I	60HZ/1800RPM	140KW	128KW
		175KVA	160KVA

* Voltages: 127/220

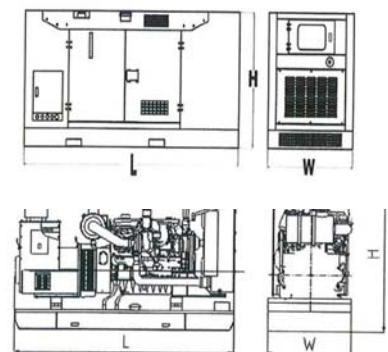
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
 (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
 (3) Operation at Altitude $\leq 1000\text{m}$, Ambient temperature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

General Characteristics

Model	GCLS-140-I
Engine	Cummins 6BTAA5.9-G12
Alternator	Leroy Somer TAL-A44-J
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	60HZ
Engine Sped(RPM)	1800
Controller Model	Comap IL9

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	2400mm	3200mm
Width (W)	925mm	1080mm
Height (H)	1555mm	2000mm
Net Weigh (KG)	1390kg	2010kg



Engine Specification

Brand	DONG FENG CUMMINS	
Model	6BTAA5.9-G12	
No. of Cylinders and Cycle	6	
Compression Ratio	17.3:1	
Displacement (L)	5,9	
Bore x Stroke (mm)	102*120	
Piston Speed (m/s)	7,2	
Air Intake Flow (L/s)	182	
Exhaust Flow (L/s)	398	
Net Engine Weight (kg)	413	
Starting System		
Engine Coolant Flow (L/s)	2	
Base Output Power (kW)	150	
Fuel Consumption (L/h)	110% load	42
	100% load	38
	75% load	28
	50% load	19

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	35
	Thermostat adjusting temperature (°C)	82-95
	Minimum Pressure of Radiator Cap (kPa)	69
	Coolant capacity-engine only(L)	10
Fuel System	Fuel injection pump model	BYC P7100
	Maximum Restriction at Lift Pump (kPa)	13,6
	Maximum Fuel Inlet Temperature (°C)	
	Total Drain Flow (constant for all loads) (L/h)	30
Lubricating System	Low idle (kPa)	207
	Rated speed (kPa)	345
	Max. oil temperature permitted in oil pan (°C)	121
	Lubrication system Min. capacity (L)	16,4
Exhaust System	Max. Back Pressure (KPA)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	40

Alternator Specification

Poles	No.	4
Connection type (standard)		Parallel Star
Insulation		Class" H"
Enclosure (according IEC-34-5)		IP23
Exciter system		Self-excited, brushless
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	
Indications	Engine Cycle Crank	
	Operating Hours	
	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	
Warning & Shutdown Alarms	Battery Voltage Monitoring (DC)	
	Alarm (Acknowledge)	
	Generator Over/Under Voltage & Frequency	
	Crank Disconnect (Failure to Start)	
	Under/Over Speed	
	Over Current	
	Low oil pressure	
Features	High Water Temperature	
	Low Fuel Level	
	Low Water Level	
	IP 65 (if ordered with gasket)	
	Basic Scheduler	
Features	8 - 35V DC Supply	
	Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)	
	Event Log (5 shutdowns)	

AMF IntelliLite 9

DSE6020