



PG-44 KW

Powered by Cummins

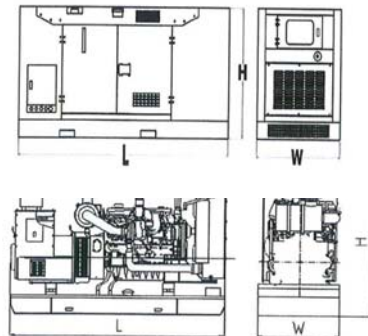
Model	Frequency/RPM	Standby Power	Prime Power
PG-44 KW	60HZ/1800RPM	44KW	40KW
		55KVA	50KVA

* Voltages: 127/220V

- (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 1000m, Ambient temperature \leq 40°C. If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics	
Model	PG-44 KW
Engine	Cummins 4BT3.9-G2
Alternator	LEROY SOMER TAL-A42-G
Speed Control Type	Electronic governor
Phase	3
System Voltage	24
Frequency	60HZ
Engine Sped(RPM)	1800
Controller Model	AMF InteliLite 9 or DEEPSEA DSE6020)

Dimensions		
DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	1870mm	2450mm
Width (W)	950mm	1080mm
Height (H)	1500mm	1255mm
Net Weight (KG)	850kg	1165kg





Engine Specification		
Brand	DONG FENG CUMMINS	
Model	4BT3.9-G2	
No. of Cylinders and Cycle	4	
Compression Ratio	18.0:1	
Displacement (L)	3,9	
Bore x Stroke (mm)	102*120	
Piston Speed (m/s)	7,2	
Air Intake Flow (L/s)	54,3	
Exhaust Flow (L/s)	107	
Net Engine Weight (kg)	321	
Starting System		
Engine Coolant Flow (L/s)	2,8	
Base Output Power (kW)	44	
Fuel Consumption (L/h)	110% load	11,7
	100% load	10,7
	75% load	9,4
	50% load	6,2

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	35
	Thermostat adjusting temperature (°C)	83-95
	Minimum Pressure of Radiator Cap (kPA)	69
	Coolant capacity-engine only(L)	7,2
Fuel System	Fuel injection pump model	WFA Direct Injection
	Maximum Restriction at Lift Pump (kPa)	13,6
	Maximum Fuel Inlet Temperature (°C)	70
	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)	10,9
Exhaust System	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	12 or 24
	Battery charging system (A)	63 or 40



Alternator Specification

Poles	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(included)
- Automatic fuel feeding system

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)
- Coolant level sensor(included)

Lubricating System

- With machine oil

Note: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.



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	 <p>AMF IntelliLite 9</p>
Indications	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 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	 <p>DSE6020</p>
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)	