



PG-28 KW

Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
PG-28 KW	60HZ/1800RPM	28KW	25KW
		35KVA	31KVA

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

General Characteristics

Model	PG-28 KW
Engine	Cummins 4B3.9-G12
Alternator	LEROY SOMER LSA-42.3VS1
Speed Control Type	Electronic governor
Phase	3
System Voltage	24
Frequency	60HZ
Engine Sped(RPM)	1800
Controller Model	AMF IntelliLite 9 or DEEPSEA DSE6020)

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	1700mm	2250mm
Width (W)	925mm	1080mm
Height (H)	1470mm	1255mm
Net Weight (KG)	750kg	1115kg





Engine Specification		
Brand		DONG FENG CUMMINS
Model		4B3.9-G12
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)		43
Exhaust Flow (L/s)		78,5
Net Engine Weight (kg)		308
Starting System		
Engine Coolant Flow (L/s)		2,8
Base Output Power (kW)		33
Fuel Consumption (L/h)	110% load	10,1
	100% load	9,4
	75% load	7,5
	50% load	5,5
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



Standard Controller (ComAp AMF20 or DEESEA DSE6020)

Control	Auto/Start/Stop Control		AMF IntelliLite 9
	Emergency Stop Pushbutton/ Alarm		
	Engine Cool Down Timer		
	Warm - up Timer		
	Load Switching Timer		
	Engine Cycle Crank		
Indications	Operating Hours		DSE6020
	3 Phase Generator Voltage Sensing & Monitoring		
	Current Protection & Monitoring		
	Power Measurement (kW, kVA, kVAr, kWh, kVAh, pf)		
	Frequency Monitoring (Hz)		
Warning & Shutdown Alarms	Oil Pressure/Coolant Temperature/Fuel Level Monitoring		
	Battery Voltage Monitoring (DC)		
	Alarm (Acknowledge)		
	Generator Over/Under Voltage & Frequency		
	Crank Disconnect (Failure to Start)		
	Under/Over Speed		
	Over Current		
Features	Low oil pressure		
	High Water Temperature		
	Low Fuel Level		
	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)		