

PG-600 KW Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
PG-600 KW	60Hz/1800RPM	600KW	540KW
		750KVA	675KVA

^{*} Voltage: 440/254V

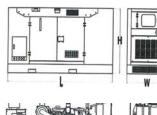
- (1) Prime Power: Ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity.
 (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude ≤ 1000m, Ambient temperature ≤ 40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

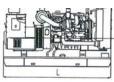
General Characteristics		
Model	PG-600 KW	
Engine	Cummins KTAA19G6A	
Alternator	Stamford HC I544FS1	
Speed Control Type	Electrical	
Phase	3	
System Voltage	24	
Frequency	60Hz	
Engine Sped(RPM)	1800	

Dimensions			
DIMENSION		OPEN TYPE	SILENT TYPE
Length	(L)	3670mm	4950mm
Width	(W)	1680mm	2000mm
Height	(H)	2190mm	2524mm
Net Weigh	(KG)	4658kg	6560kg













Engine Specification			
Brand	Cummins		
Model	KTAA19G6A		
No. of Cylinders and Cycle	6L, 4 Stroke		
Compression Ratio	13.9:1		
Displacement (L)	19		
Bore x Stroke (mm)	159 x 159		
Piston Speed (m/s)	9,5		
Air Intake Flow (L/s)	968		
Exhaust Flow (L/s)	2657		
Net Engine Weight (kg)	1633		
Starting System	Electronic		
Engine Coolant Flow (L/min)	12,4		
Base Output Power (kW)	664		

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	68,9
	Thermostat adjusting temperature ($^{\circ}\!$	82-93
	Minimum Pressure of Radiator Cap (kPA)	48
	Coolant capacity-engine only(L)	26,5
Fuel System	Fuel injection pump model	Direct Injection Cummins PT
	Maximum Restriction at Lift Pump (kPa)	13,55
Lubricating System	Low idle (kPA)	138
	Rated speed (kPA)	345-483
	Max. oil temperature permitted in oil pan ($^{\circ}\mathbb{C}$)	121
	Lubrication system Min. capacity (L)	50
Exhaust System	Exhaust System Max. Back Pressure (kPA)	
Electrical System	Starter (V)	24
	Battery charging system (A)	35



Alternator Specification			
Poles	No.	4	
Connection type (standard)		PARALLEL STAR	
Insulation		Class" H"	
Enclosure (according IEC-34-5)		IP23	
Exciter system		SELF EXCITED	
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 AMF9 or DEEPSEA DSE7220)

Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank 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) 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 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)	Standard Controlle	er (Comap AMF9 or DEEPSEA DSE/220)	
Control Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVAr, kWh, kVAh, pf) Frequency Monitoring (DC) Alarm (Acknowledge) Generator Over/Under Voltage & Frequency Crank Disconnect (Failure to Start) Under/Over Speed Warning & Over Current Shutdown Alarms Warrier Low oil pressure 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)	Control	Auto/Start/Stop Control	
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Shutdown Alarms Low oil pressure 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)		Under/Over Speed	○ ○ ○ ○ ○ ○
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