

## RGP9

Output Rating - 50 HZ				
Voltage, Frequency Prime Standby				
230/400V, 50HZ	9 KVA 7.2 KW	9.9 KVA 7.9 KW		

Output Rating - 60 HZ				
Voltage, Frequency Prime Standby				
230/400V, 60HZ	11 KVA 8.8 KW	12.1 KVA 9.68 KW		

Output Rating - 60 HZ				
Voltage, Frequency Prime Standby				
277/480V, 60HZ	11 KVA	12.1 KVA		
	8.8 KW	9.68 KW		

Rating at 0.8 power factor



Image for illustration purposes only.

Features			
Engine	Perkins , 403-11G1 , Made in UK, in accordance to ISO3046 ,ISO8528,DIN6271		
Alternator	Stamford Pl044E, Made in UK Or Le Roy Somer TAL040C Made in Europe, complying to the norms: BS EN60034/ BS 5000/ VDE 0530/ NEMA MG 1-32/ IEC 34/ CSA C22.2-100/AS 1359		
Control Panel	DeepSea Made 6110 in UK or MRM 17-1 ,Made in ITALY,comply to the norms BS EN 61000, BS EN 60950, BS EN 60068		
Base Frame	Black steel with Anti-vibration pads, Built in fuel tank		
Sound Proof Canopy	Modular SPC, Powder Coated, Extremely Durable, Designed to Reduce Sound Level with Maximum Service Accessibility and Minimum Foot Prints		
Worldwide Support	RG Power Products are distributed through its RG Power International Network		
	Rating Definitions and Conditions		
	The nower available for an unlimited hour usage with an average load factor of 80% of the published prime nower over each 24 hours period		

Prime Rating	The power available for an unlimited hour usage with an average load factor of 80% of the published prime power over each 24 hours period. A 10 % overload is available for 1Hr every 12 hours.
Standby Rating	The power limited to 500 hours annual usage with an average load factor of 80% of the published standby power rating over each 24-hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted on standby power.





	Engine Perkins, 4	03-11G1, 4 Stroke Cycle, Diesel				
	Number of Cylinders	3				
	Engine Build	In line				
Structure	Bore	77 mm				
	Stroke	81 mm				
	Displacement	1.131 L				
	Compression Ratio	23/1				
	Aspiration	Natural				
	Cooling	Water cooled				
		1500 RPM	1800 RPM			
	Fuel Tank	Built in fuel tank 27L for 9 hours operation @ full load	Built in fuel tank 27L for 8.5 hours operation @ full load			
	Fuel System	Direct inj				
	Fuel Recommended	N°2 Di	esel			
Fuel	Fuel System Make (ECM)	-	1800 RPM			
1 401	Delivery Flow Rate (Ir/hr)	1500 RPM	1000 KFWI			
	Fuel Consumption					
	100% Load (g/kWh-L/hr)	248(3)	248 (3.1)			
	75% Load (g/kWh-L/hr)	257 (2.3)	257 (2.4)			
	50% Load (g/kWh-L/hr)	280 (1.7)	280 (1.8)			
	Engine Coolant Capacity	5.2	<u> </u>			
	Air Flow-Radiator	TBA	TBA			
Cooling system	Radiator with 50 degree ambient					
	Cooling Package & Air Cleaner Kit					
	Thermostatically-controled system					
Air Inlet	Air Intake Engine (Clean Filter/Dirty)	ТВА				
	Exhaust Gas Temperature (Prime)	445 °C	ТВА			
	Exhaust Gas Flow (Prime)	45 l/s	TBA			
Exhaust System	Maximum Exhaust System Back Pressure	10.2 kPa	ТВА			
	Muffler	residential (20→25 dB)	industrial(15→25 dB)			
	Stainless Steel exhaust flex-fittings					
	Cranking Battery Voltage	12 V				
DC System- Starting/Charging	Battery Charging Alternator	15 /	15 A			
	Dc Voltage Monitoring via control					
	Radiated Heat to Ambient (Prime)	3.2 kW	ТВА			
Heat Rejection	Heat Rejection to Coolant (Prime)	11.6 kW	ТВА			
(prime)	Heat Rejection to Exhaust (Prime)	9.3 kW	ТВА			
	Heat Deiretien to interescien	NONE	TBA			
	Heat Rejection to intercooler					
Lube System	Lubricating System Oil Capacity	4.9	L			



## RELIABLE POWER SOLUTIONS

Alternator Stamford PI044E Or Le Roy Somer TAL040C				
	Insulation System	Class H		
	Winding Pitch	2/3 to minimize harr	nonics effects	
	Number of Poles	4		
	Number of Bearings	Single bearing		
	Winding Leads	12		
Structure	Power Factor	0.8		
Structure	Over Speed Capability (% of Rated)	2250 Rpm (150%)		
	Wave Form Distortion	THD(Total Harmon	ic Distortion)@ No load	< 5.0%
	Telephone Interference	TIF < 2%		
	IP Rating (Protection)	IP23		
	AVR	Excitation with auxiliary coil		
	Synchronous, 3 phase, Brushless & Sel	& Self ventilated		
			1500	1800
Power Switching	3-P Circuit Breaker, MCB		16A	20A
Temperature	Temperature Rise			125/40 °C
	Control System (Standard)	Self excited		
Control & Voltage Regulator	Voltage Regulator (AVR)	AS480 / R120		
Regulator	% Of Voltage Regulation	± 1.0 %		
Motor Starting	if voltage 230/400V	ТВА		
Capacity@30% Voltage Dip	if voltage 277/480V	ТВА		





Fuel tank monitoring Emergency Sto Prubhbuttor/ Alarm Acknowledge Engine Cool Down Timer Warm-up Timer Load Switching Timer Engine Cycle Crank  Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVAr, kWh, kVAh, kVArh, pt) Frequency Monitoring (ttz) Oil Pressure/Coolant Tomperature/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 Low Water Level Low Grodered with gasket) Basic Schoduler 9-83 VIOC Supply Digital Inputs(4)- Outputs(4 MPU/6 CAN) Event Log (6 shutdowns)  Optional Accessories  AVR (2 phase Sensing) Reactive Droop  Alternator  Winding Temperature Detectors Anti-Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB-MG-Stemens) Motorized Operation Shurt Trip Under Voltage Trip UVT Residual Current Protection Ground Fault Protection Ground Fault Protection		Standard Controller, Deep Sea 6110 or MRM 17-1
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, kVArh, pr) 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 Low Water Level P65 (if ordered with gasket) Basic Scheduler 8-35 VDC Supply Digital Inputs(4)- Outputs(4 MPU/6 CAN) Event Log (5 shutdowns)  AVR (3 phase Sensing) Reactive Droop  Winding Temperature Detectors Anti-Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shutdown Alarms  Warning & Shutdown Alarms  Warning & Shutdown Alarms		
Engine Cool Down Timer Warm-up Timer Load Switching Timer Engine Cycle Crank  Operating Hours 3 Phase Generator Votage Sensing & Monitoring Current Protection & Monitoring Power Measurement (RW, KVA, KVAr, KWh, KVAh, KVArh, pf) Frequency Monitoring (ht2) 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 Low Water Level  Peatures  Peatures  AVR (3 phase Sensing) Reactive Droop Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Broaker Special Brands (ABB- MG- Siemens) Motorized Operation Shuttdown Alarms  Warning & Shutdown Alarms  Warning & Shutdown Alarms  Warning & Shutdown Alarms		Emergency Stop Pushbutton/ Alarm Acknowledge
Warning & Over Current Load Switching Timer Engine Cycle Crank  Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Current Temperature Fuel Level Monitoring Power Measurement (kW, kVA, kVAr, kWh, kVAh, kVArh, pf) Frequency Monitoring (ltz) 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 Generator Over/Under Voltage & Frequency Low Generator Over/Under Voltage & Frequency Crank Disconnect (Failure to Start) Under/Over Speed Over Current Low Generator Over/Under Voltage & Frequency Low Water Level IP 65 (if ordered with gasket) Basic Scheduler 8-35 VOC Supply Digital Inputs(4)-Outputs(4 MPU/6 CAN) Event Log (5 shutdowns)  Potional Accessories  AVR (3 phase Sensing) Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection	Control	
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Indications    Current Protection & Monitoring Power Measurement (kW, kVA, kVAr, kWh, kVArh, pr) 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   Low Water Level		Operating Hours
Indications    Power Measurement (kW, kVA, kWAr, kWAr, kVArh, pf)		3 Phase Generator Voltage Sensing & Monitoring
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 Water Level Low Water Level Low Water Level Basic Scheduler 8-35 VDC Supply Digital Inputs(4)- Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)  Alternator  AVR (3 phase Sensing) Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection		Current Protection & Monitoring
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Warning & Shutdown Alarms  Alarms  Features  AVR (3 phase Sensing)  Reactive Droop  Winding Temperature Detectors  Anti- Condensation Heaters  Excitation with auxiliary exciter  4-P Circuit Breaker  Special Brands (ABB- MG- Siemens)  Warning & Shutdown Alarms  Warning & Shutdown Alarms  Voir peed over the peed of		Generator Over/Under Voltage & Frequency
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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 8-35 VDC Supply Digital Inputs(4)- Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)  AVR (3 phase Sensing) Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection		·
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Basic Scheduler 8-35 VDC Supply Digital Inputs(4)- Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)  Optional Accessories  AVR (3 phase Sensing) Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection		
B-35 VDC Supply   Digital Inputs(4)- Outputs(4 MPU/ 6 CAN)     Event Log (5 shutdowns)		IP 65 (if ordered with gasket)
Digital Inputs(4)- Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)  Optional Accessories  AVR (3 phase Sensing) Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection		Basic Scheduler
AVR (3 phase Sensing) Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection	Features	8-35 VDC Supply
AVR (3 phase Sensing) Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection		Digital Inputs(4)- Outputs(4 MPU/ 6 CAN)
Alternator  Alternator  Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection		Event Log (5 shutdowns)
Alternator  Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection		Optional Accessories
Alternator  Winding Temperature Detectors  Anti- Condensation Heaters  Excitation with auxiliary exciter  4-P Circuit Breaker  Special Brands (ABB- MG- Siemens)  Motorized Operation  Shunt Trip  Under Voltage Trip UVT  Residual Current Protection		AVR (3 phase Sensing)
Anti- Condensation Heaters  Excitation with auxiliary exciter  4-P Circuit Breaker  Special Brands (ABB- MG- Siemens)  Motorized Operation  Shunt Trip  Under Voltage Trip UVT  Residual Current Protection		Reactive Droop
Excitation with auxiliary exciter  4-P Circuit Breaker Special Brands (ABB- MG- Siemens) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection	Alternator	Winding Temperature Detectors
4-P Circuit Breaker  Special Brands (ABB- MG- Siemens)  Motorized Operation  Shunt Trip  Under Voltage Trip UVT  Residual Current Protection		Anti- Condensation Heaters
Special Brands (ABB- MG- Siemens)  Motorized Operation  Shunt Trip  Under Voltage Trip UVT  Residual Current Protection		Excitation with auxiliary exciter
Warning & Shutdown Alarms  Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection		4-P Circuit Breaker
Warning & Shunt Trip Under Voltage Trip UVT Residual Current Protection		Special Brands (ABB- MG- Siemens)
Warning & Shutdown Alarms Residual Current Protection		Motorized Operation
Shutdown Alarms Residual Current Protection		Shunt Trip
Residual Current Protection		Under Voltage Trip UVT
Ground Fault Protection	Onataown Alarms	Residual Current Protection
		Ground Fault Protection
Earthing Kit		Earthing Kit
Surge Arrestor		Surge Arrestor

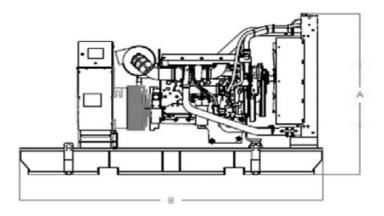


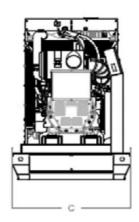
## RELIABLE POWER SOLUTIONS

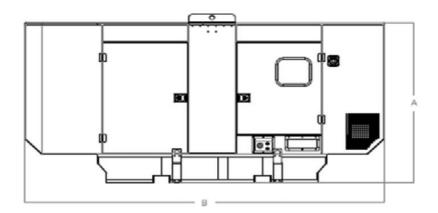
	Optional A	ccessories (continues)	
		Micro-Diesel Filter for Micro-Particles Filtration	
		Automatic Fuel Refilling System	
		Fuel Water Separator (2000/5)	
		Mechanical Fuel Level Kit	
	Fuel	Oversize Fuel Tank Upon Custom Requirements	
		Fuel Tanks-Pipes Heater	
		Optional Built in fuel tank 62 L operation full load (Height will be increased by 100 mm and weight by 20 kg)	
	Air Inlet	Sy-klone Air Cleaner Installed @ Air Intake System	
	Fatana	Muffler: Critical (25→30 dB) Hospital (35→40 dB)	
Engine	Exhaust	Elbow, Flanges, Expanders & Y Adaptors	
		Radiator with 35 °C or 60 °C Ambient Capability	
	Cooling / Heating	Jacket Water Heater	
		Manual Sump Drain Pump	
	Lube	Semi-Rotator Hand Pump	
		Mains Battery Charger 12 V DC-5A	
		Battery Charger 10A-20A on Request	
	DC System - Starting/Changing	Automatic Battery Charger on Request	
	De cyclem of an imagremating in g	Battery Disconnector Switch	
		DC/AC Current Monitoring (Ammeter)	
		Oversize Battery	
	·	ts & Outputs-Advanced Communications Features;	
	DSE 8610/8710/8810- Load Share Mo		
	Digital & Analogues Inputs Module DSE		
	Analogue Inputs advanced Module DSI		
	Digital relay Outputs Module DSE 2157		
	Analogue Outputs Module DSE 2152 (for 7410 & Above);		
Control Panel	Local & Remote enunciator Module DSE 2548 (for 7000 Series & Above);		
	Display Modules DSE 2510/2520 (with 7310-7320);		
	Remote Monitoring via: Web Interface (All Series), GSM (for 7000 Series & Above), RS485 (for 7000 Series)		
	Dry Contacts Alarm Indication for Customer Use		
	Audible Alarm (Option for 6010/20; Sta	indard for 7000 Series & Adove);	
	Voltage Adjust Potentiometer;		
	Speed Adjust Potentiometer;		

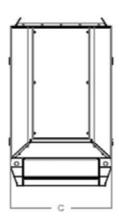


Dimensions & Weights					
Length (mm) Width (mm) Height (mm) Weight Dry (Kg					
Open set (NB)	1500	760	1070	465	
SPC Type S	1990	760	1240	690	









Design for illustration purposes only.

In line with our policy of continuous product development, we reserve the right to change specification without notice.

