

RGP650

Output Rating - 50 HZ		
Voltage, Frequency	Prime	Standby
230/400V, 50HZ	650 KVA 520 KW	715 KVA 572 KW

Output Rating - 60 HZ			
Voltage, Frequency	Prime	Standby	
230/400V, 60HZ	625 KVA 500 KW	687 KVA 550 KW	

Output Rating - 60 HZ		
Voltage, Frequency	Prime	Standby
277/480V. 60HZ	625 KVA	687 KVA
277/400 V, 00112	500 KW	550 KW

Rating at 0.8 power factor



Features			
Engine	Perkins , 2806A-E18TAG2 , Made in UK, in accordance to ISO3046 ,ISO8528,DIN6271		
Alternator	Stamford HC544F , Made in UK, complying to the norms: BS EN60034/ BS 5000/ VDE 0530/ NEMA MG 1-32/ IEC 34/ CSA C22.2-100/AS 1359		
Control Panel	MRM 17-1 ,Made in ITALY,or DeepSea Made in UK, complying to the norms: 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		
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, 2806	A-E18TAG1A, 4 Stroke Cycle, Die	sel		
	Number of Cylinders	6			
	Engine Build	In Line			
	Bore	145 mm			
Structure	Stroke	183 mm			
	Displacement Communication Partie	18.1 L			
	Compression Ratio Aspiration	14.5 /1 Turbocharged			
	Cooling	A /A			
		1500 rpm	1800 rpm		
	Fuel Tank	Built in fuel tank 972 for 8h hours operation @ full load	Built in fuel tank 972 for 8h hours operation @ fullload		
	Fuel System	Direct injection			
	Fuel Recommended	N°2	Diesel		
Fuel	Fuel System Make (ECM)	100	- 4000		
i dei	Delivery Flow Rate (Ir/hr)	1500 rpm TBA	1800 rpm TBA		
	Fuel Consumption	13/	15/1		
	100% Load (g/kWh-L/hr)	202 (123)	202 (127)		
	75% Load (g/kWh-L/hr)	198 (97)	201 (95)		
	50% Load (g/kWh-L/hr)	201 (66)	203 (61)		
	Engine Coolant Capacity	6	1 1L		
	Air Flow-Radiator	11700 L/s	14200 l/s		
Cooling system	Radiator with 50 degree ambient				
	Cooling Package & Air Cleaner Kit				
	Thermostatically-controled system				
Air Inlet	Air Intake Engine (Clean Filter/Dirty)	3.7 / 6.4 Kpa			
	Exhaust Gas Temperature (Prime)	568 °C	481 °C		
	Exhaust Gas Flow (Prime)	1600 l//s	1816.6		
Exhaust System	Maximum Exhaust System Back Pressure	6.9 kPa	6.9 kPa		
	Muffler	residential (20→25 dB)	industrial(15→25 dB)		
	Stainless Steel exhaust flex-fittings				
	Cranking Battery Voltage	24	4 V		
DC System- Starting/Charging	Battery Charging Alternator	70 A			
	Dc Voltage Monitoring via control				
	Radiated Heat to Ambient (Prime)	41 kW	40 KW		
Heat Rejection	Heat Rejection to Coolant (Prime)	202 kW	166 KW		
(prime)	Heat Rejection to Exhaust (Prime)	447 kW	441 KW		
	Heat Rejection to intercooler	100 Kw	113 KW		
Lube System	Lubricating System Oil Capacity	6	2 L		
Governor	Electronic				



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Alternator Stamford , HC544F					
	Insulation System	Class H			
	Winding Pitch	2/3 to minimize harmo	onics 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	No load < 1.5% Non-D	Distorting balanced linear	load < 5.0%	
	Telephone Interference	THF < 2%			
	IP Rating (Protection)	IP23			
	AVR	Self excited			
	Synchronous, 3 phase, Brushless & Self ventilated				
			1500 rpm	1800 rpm	
Power Switching	3-P Circuit Breaker, MCCB		1000A	1000A	
Temperature	Temperature Rise	125/40 °C			
	Control System (Standard)	Self excited			
Control & Voltage Regulator	Voltage Regulator (AVR)	SX460 or AS440			
Regulator	% Of Voltage Regulation	± 1.0 % (for SX460 &	& AS440)		
Motor Starting	if voltage 230/400V	ТВА			
Capacity@30% Voltage Dip	if voltage 277/480V	ТВА			





Standard Controller, MRM17-1				
Fuel tank monitoring				
Control	Emergency Stop Pushbutton/ Alarm Acknowledge	DIEF MA BLEITHOUGH		
	Engine Cool Down Timer			
	Warm-up Timer	® <u>allet</u> ⊗		
	Load Switching Timer	0 0 0 0 0		
	Engine Cycle Crank			
	Operating Hours			
	3 Phase Generator Voltage Sensing & Monitoring			
	Current Protection & Monitoring			
Indications	Power Measurement (kW, kVA, kVAr, kWh, kVAh, kVArh, pf)			
maications	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)			
W	Under/Over Speed			
Warning & Shutdown Alarms	Over Current Low oil pressure			
Onataown Alarmo	High Water Temperature			
	Low Fuel Level			
	Low Water Level			
	IP 65 (if ordered with gasket)			
	Basic Scheduler			
Features	8-35 VDC Supply			
	Digital Inputs(4)- Outputs(4 MPU/ 6 CAN)			
	Event Log (5 shutdowns)			
	Optional Accessories			
	AVR (3 phase Sensing)			
	Reactive Droop			
Alternator	Winding Temperature Detectors			
	Anti- Condensation Heaters			
	Excitation with auxiliary exciter			
	4-P Circuit Breaker			
	Special Brands (ABB- MG- Siemens)			
	Motorized Operation			
	Shunt Trip			
Warning & Shutdown Alarms	Under Voltage Trip UVT			
onatao mi / tamo	Residual Current Protection			
	Ground Fault Protection			
	Earthing Kit			
	Surge Arrestor			



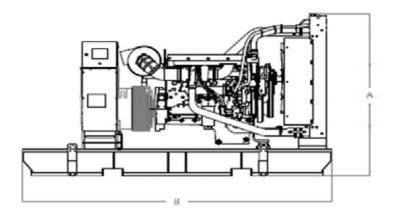
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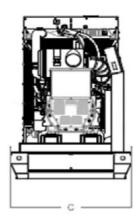
	Optional A	ccessories (continues)	
		Micro-Diesel Filter for Micro-Particles Filtration	
		Automatic Fuel Refilling System	
	Fuel	Fuel Water Separator (2000/40)	
		Mechanical Fuel Level Kit	
		Oversize Fuel Tank Upon Custom Requirements	
		Fuel Tanks-Pipes Heater	
		Optional Built in fuel tank 180 L 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	
	Exhaust	Muffler: Critical (25→30 dB) Hospital (35→40 dB)	
Engine	LATIOUSE	Elbow, Flanges, Expanders & Y Adaptors	
	On all and the attention	Radiator with 35 °C or 60 °C Ambient Capability	
	Cooling / Heating	Jacket Water Heater	
	Luka	Manual Sump Drain Pump	
	Lube	Semi-Rotator Hand Pump	
		Mains Battery Charger 24 V DC-5A	
		Battery Charger 10A-20A on Request	
	DC System - Starting/Changing	Automatic Battery Charger on Request	
	20 Oyelem Claring, onlinging	Battery Disconnector Switch	
		DC/AC Current Monitoring (Ammeter)	
		Oversize Battery	
	7320/7410/7420-More Inputs & Output	s-Advanced Communications Features;	
	DSE 8610/8710/8810- Load Share Mo	dule;	
	Digital & Analogues Inputs Module DS	E 2130 (for 7000 Series & Above);	
	Analogue Inputs advanced Module DS	E 2131-2133(for 7410 &Above);	
	Digital relay Outputs Module DSE 215	7 (for 7000 Series &Above);	
	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	andard for 7000 Series & Above);	
	Voltage Adjust Potentiometer;		
	Speed Adjust Potentiometer;		

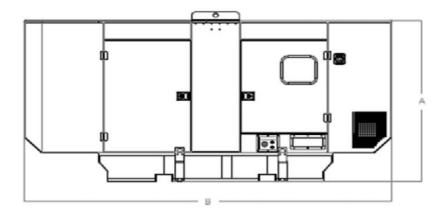


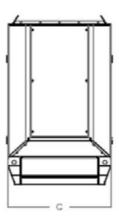
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Dimensions & Weights				
	Length (mm)	Width (mm)	Height (mm)	Weight Dry (Kg)
Open set	3310	1550	2098	4787
SPC Type	5800	2000	2350	6883









Design for illustration purposes only.

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

