

RGP1000

| Output Rating - 50 HZ | | |
|-----------------------|--------------------|--------------------|
| Voltage, Frequency | Prime | Standby |
| 230/400V, 50HZ | 1000 KVA 800 KW | 1100 KVA 880 KW |

| Output Rating - 60 HZ | | |
|-----------------------|----------|----------|
| Voltage, Frequency | Prime | Standby |
| 230/400V, 60HZ | NA NA | NA NA |

| Output Rating - 60 HZ | | |
|-----------------------|----------|----------|
| Voltage, Frequency | Prime | Standby |
| 277/480V, 60HZ | NA NA | NA NA |



Image for illustration purposes only.

Rating at 0.8 power factor

Features

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| Engine | Perkins , 4008-30TAG2 , Made in UK, in accordance to ISO3046 ,ISO8528,DIN6271 |
| Alternator | Stamford HCI634J Or Le Roy Somer TAL 049E , 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

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| 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, 4008-30TAG2 , 4 Stroke Cycle, Diesel

| | | | |
|------------------------------------|---|------------------------|----------------------|
| Structure | Number of Cylinders | 8 | |
| | Engine Build | In line | |
| | Bore | 160 mm | |
| | Stroke | 190 mm | |
| | Displacement | 30.561 L | |
| | Compression Ratio | 13.6 /1 | |
| | Aspiration | Turbocharged | |
| | Cooling | A /A | |
| Fuel | | 1500 rpm | 1800 rpm |
| | Fuel Tank | NA | NA |
| | Fuel System | Direct injection | |
| | Fuel Recommended | N°2 Diesel | |
| | Fuel System Make (ECM) | - | |
| | | 1500 rpm | 1800 rpm |
| | Delivery Flow Rate (l/hr) | | |
| | Fuel Consumption | | |
| | 100% Load (g/kWh-L/hr) | 208 (220) | NA |
| | 75% Load (g/kWh-L/hr) | 202 (160) | NA |
| | 50% Load (g/kWh-L/hr) | 205 (108) | NA |
| Cooling system | Engine Coolant Capacity | 149L | |
| | Air Flow-Radiator | 22500 l/s | NA |
| | Radiator with 50 degree ambient | | |
| | Cooling Package & Air Cleaner Kit | | |
| | Thermostatically-controlled system | | |
| Air Inlet | Air Intake Engine (Clean Filter/Dirty) | 1.25 / 3.73 Kpa | |
| Exhaust System | Exhaust Gas Temperature (Prime) | 438 °C | NA |
| | Exhaust Gas Flow (Prime) | 3333.3 l/s | NA |
| | Maximum Exhaust System Back Pressure | 7.95 kPa | NA |
| | Muffler | residential (20→25 dB) | industrial(15→25 dB) |
| | Stainless Steel exhaust flex-fittings | | |
| DC System-Starting/Charging | Cranking Battery Voltage | 24 V | |
| | Battery Charging Alternator | 40 A | |
| | Dc Voltage Monitoring via control | | |
| Heat Rejection (prime) | Radiated Heat to Ambient (Prime) | 80 kW | NA |
| | Heat Rejection to Coolant (Prime) | 332 kW | NA |
| | Heat Rejection to Exhaust (Prime) | 698 kW | NA |
| | Heat Rejection to intercooler | 200 Kw | NA |
| Lube System | Lubricating System Oil Capacity | 153 L | |
| Governor | Electronic | | |

Alternator Stamford , HCI634J Or Le Roy Somer TAL 049E

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|--|---|--|-----------------|
| Structure | Insulation System | Class H | |
| | Winding Pitch | 2/3 to minimize harmonics effects | |
| | Number of Poles | 4 | |
| | Number of Bearings | Single bearing | |
| | Winding Leads | 12 | |
| | Power Factor | 0.8 | |
| | Over Speed Capability (% of Rated) | 2250 Rpm (150%) | |
| | Wave Form Distortion | No load < 1.5% Non-Distorting balanced linear load < 5.0% | |
| | Telephone Interference | THF < 2% | |
| | IP Rating (Protection) | IP23 | |
| | AVR | Separately excited by PMG | |
| | Synchronous, 3 phase, Brushless & Self ventilated | | |
| | | 1500 rpm | 1800 rpm |
| Power Switching | 3-P Circuit Breaker, MCB | 1600A | NA |
| Temperature | Temperature Rise | 125/40 °C | |
| Control & Voltage Regulator | Control System (Standard) | Separately excited by PMG | |
| | Voltage Regulator (AVR) | MX321(3 phase sensing) or MX341(1 phase sensing) | |
| | % Of Voltage Regulation | ± 0.5 % (for MX321) / ± 1.0 % (for MX341) | |
| Motor Starting Capacity@30% Voltage Dip | if voltage 230/400V | TBA | |
| | if voltage 277/480V | TBA | |

Standard Controller, MRM17-1

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| Control | <ul style="list-style-type: none"> Fuel tank monitoring Emergency Stop Pushbutton/ Alarm Acknowledge Engine Cool Down Timer Warm-up Timer Load Switching Timer Engine Cycle Crank |  |
| Indications | <ul style="list-style-type: none"> Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVA_r, kWh, kVAh, kVA_rh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm Acknowledge | |
| Warning & Shutdown Alarms | <ul style="list-style-type: none"> 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 | |
| Features | <ul style="list-style-type: none"> IP 65 (if ordered with gasket) Basic Scheduler 8-35 VDC Supply Digital Inputs(4)- Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns) | |

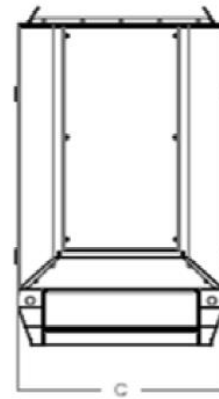
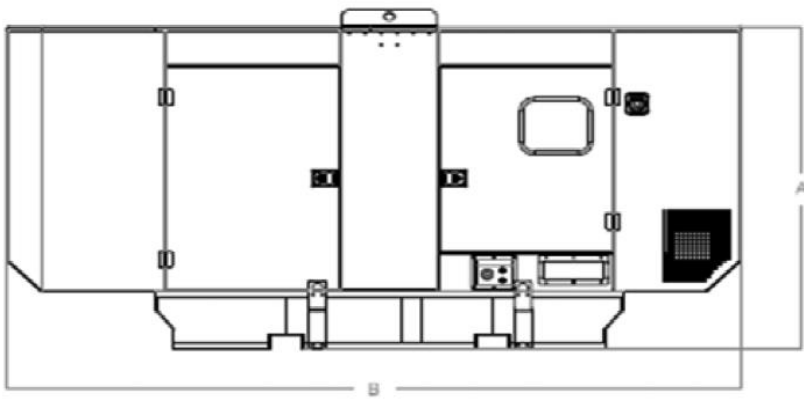
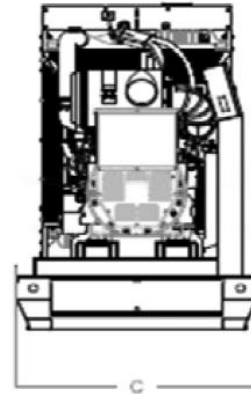
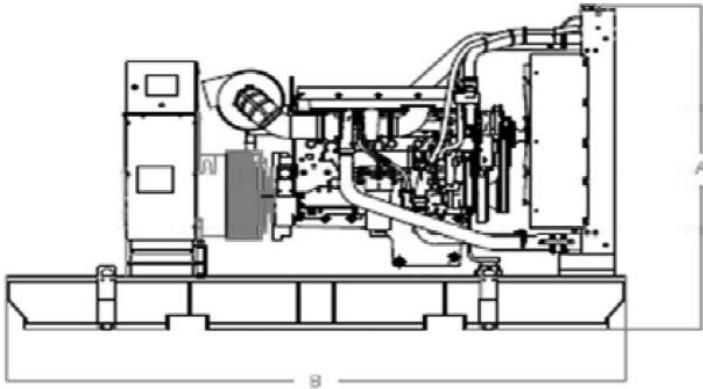
Optional Accessories

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| Alternator | <ul style="list-style-type: none"> AVR (3 phase Sensing) Reactive Droop Winding Temperature Detectors Anti- Condensation Heaters Excitation with auxiliary exciter |
| Warning & Shutdown Alarms | <ul style="list-style-type: none"> 4-P Circuit Breaker Special Brands (ABB- MG- Siemens...) Motorized Operation Shunt Trip Under Voltage Trip UVT Residual Current Protection Ground Fault Protection Earthing Kit Surge Arrestor |

| Optional Accessories (continues) | |
|----------------------------------|--|
| Engine | Fuel Micro-Diesel Filter for Micro-Particles Filtration Automatic Fuel Refilling System 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) Elbow, Flanges, Expanders & Y Adaptors |
| | Cooling / Heating Radiator with 35 °C or 60 °C Ambient Capability Jacket Water Heater |
| | Lube Manual Sump Drain Pump Semi-Rotator Hand Pump |
| | DC System - Starting/Charging Mains Battery Charger 24 V DC-5A Battery Charger 10A-20A on Request Automatic Battery Charger on Request Battery Disconnect Switch DC/AC Current Monitoring (Ammeter) Oversize Battery |
| Control Panel | 7320/7410/7420-More Inputs & Outputs-Advanced Communications Features; DSE 8610/8710/8810- Load Share Module; Digital & Analogues Inputs Module DSE 2130 (for 7000 Series & Above); Analogue Inputs advanced Module DSE 2131-2133(for 7410 &Above); Digital relay Outputs Module DSE 2157 (for 7000 Series &Above); Analogue Outputs Module DSE 2152 (for 7410 & Above); 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; Standard for 7000 Series & Above); Voltage Adjust Potentiometer; Speed Adjust Potentiometer; |

Dimensions & Weights

| | Length (mm) | Width (mm) | Height (mm) | Weight Dry (Kg) |
|----------|-------------|------------|-------------|-----------------|
| Open set | 3850 | 1320 | 2277 | 6000 |
| SPC Type | 11000 | 230 | 2500 | 7900 |



Design for illustration purposes only.

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