

TECHNICAL SPECIFICATIONS

STANDBY POWER

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Overload is not allowed.

PRIME POWER

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%.The generator can be overloaded 10% for 1 hour per 12 hrs.

CONTINUOUS POWER

Continuous power rating is used in applications where supplying power is at a constant 100% load for an unlimited number of hours each year. Continuous power rated units are most widely used in applications where the power grid is unreachable.



ENGINE

- CUMMINS heavy duty diesel engine
- 4-cycle, water cooled, naturally aspirated or turbocharged
- 24 Volt starter motor and charge alternator with battery, rack and cables
- Replaceable air, fuel and oil filter
- Industrial type radiator
- Flexible fuel piping
- Oil sump drain valve and extension pipe
- Residential type exhaust silencer.
- Maintenance free battery
- Jacket Water Heater

ALTERNATOR

- Brushless, single bearing, 4-pole alternator coupled with flexible disc coupling
- H type insulation class
- IP 21-23 protection
- Self exciting
- Electronic AVR

CONTROL PANEL

- DSE 7 Series mains sensing or remote start control module
- Emergency stop push button
- Output circuit breaker
- Static battery charger
- Ready for remote monitoring

CANOPY

- Modular type sound-proof canopy
- Built from steel and epoxy, polyester powder painted
- Lockable doors on both sides of canopy designed for easy access to essential replacement parts
- Emergency stop push button
- Control Panel viewing window
- Bunded base fuel tank (Optional)
- Forklift Pockets (Optional)



EA Power Systems Ltd.

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| MODEL | | EAC900 | EAC1000 | EAC1100 | |
|------------|---|----------|--------------------|--------------------|--------------------|
| OUTPUT | Standby | kVA | 900 | 1000 | 1100 |
| | | kW | 720 | 800 | 880 |
| | Prime | kVA | 810 | 910 | 1000 |
| | | kW | 654 | 728 | 800 |
| ENGINE | Engine | CUMMINS | CUMMINS | CUMMINS | |
| | Model | QSK23GG3 | KTA38G3 | KTA38G5 | |
| | Configuration | INLINE | V | V | |
| | No, of Cylinders | 6 | 12 | 12 | |
| | Speed | rpm | 1500 | 1500 | 1500 |
| | Displacement | l | 23 | 38 | 38 |
| | Bore x Stroke | mm | 170 x 170 | 159 x 159 | 159 x 159 |
| | Compression Ratio | | 16:1 | 13,9:1 | 13,9:1 |
| | Aspiration | | Turbocharged | | |
| | Governor Type | | Electronic | | |
| | Cooling | | Water | | |
| | Coolant Capacity | l | 210 | 218,5 | 218,5 |
| | Lubrication Oil Capacity | l | 103 | 140 | 140 |
| | Fuel Consumption l/h | 100%Load | 161 | 198 | 202 |
| 75% Load | | 121 | 151 | 151 | |
| ALTERNATOR | Phase | 3 | 3 | 3 | |
| | Pole | 4 | 4 | 4 | |
| | No, of Leads | 12 | 12 | 12 | |
| | Excitation System | AVR | AVR | AVR | |
| | Insulation Class | H | H | H | |
| | IP Protection | IP23 | IP23 | IP23 | |
| | Power Factor | 0,8 | 0,8 | 0,8 | |
| | Frequency | Hz | 50 | 50 | 50 |
| | Voltage | V | 400 | 400 | 400 |
| SIZE | Canopy Set Dimensions (LxWxH) & Weight & Fuel Tank Capacity | mm | 5000 x 2100 x 2550 | 6000 x 2438 x 2900 | 6000 x 2438 x 2900 |
| | | kg | 8200 | 9200 | 9200 |
| | | l | 1000 | 2000 | 2000 |
| | Open Set Dimensions (LxWxH) & Weight & Fuel Tank Capacity | mm | 4400 x 1750 x 2250 | 4600 x 1800 x 2600 | 4600 x 1800 x 2600 |
| | | kg | 6680 | 7640 | 7640 |
| | | l | 1000 | 2000 | 2000 |

EA Power Systems reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice

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CONTROL MODULE

Standard Specifications

- State of the art, microprocessor controlled
- 4line, 64 x 132 pixel display LCD display
- Automatic mains failure sensing
- Front panel manual programming
- User friendly setup and button layout
- Remote start
- Event logging, showing date and time
- Stop/Reset, Manual, Auto, Test, Start, buttons, toggle display button

Displays

- Engine Speed (rpm)
- Oil pressure.
- Coolant temperature,
- Running Hours
- Battery voltage monitoring
- Generator Voltage (LL, LN)
- Generator Current (L1-L2-L3)
- Generator Frequency (Hz)
- Generator Load & Power Monitoring (kW, kVA, kVAr, pf)
- Mains Voltage (LL, LN)
- Mains Frequency
- Generator Set Ready
- Mains Ready



Alarms

- High coolant temperature
- Low oil pressure
- Charge failure
- Battery Low/High voltage
- Fail to start
- Fail to stop
- High/Low Generator voltage
- Generator Over/Under frequency
- Generator Over/Under Speed

Shut Downs

- Fail to start,
- Emergency stop
- Low oil pressure,
- High coolant temperature
- Generator Over/Under frequency,
- Generator Over/Under Speed
- High/Low Generator voltage
- Oil pressure sensor open