

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

- Baudouin heavy duty diesel engine
- 4-cycle, water cooled, naturally aspirated/ turbocharged
- Direct injection
- 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
- Industrial/Residential type exhaust silencer
- 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 6 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 galvanized 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



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EA Power Systems Ltd.

207 Dominion Rd. LE36QA Leicester United Kingdom

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Registered in England & Wales No:11023250

| MODEL | | EABD150 | EABD165 | |
|------------|--|--------------|--------------------|--------------------|
| OUTPUT | Standby | kVA | 150 | 165 |
| | | kW | 120 | 132 |
| | Prime | kVA | 136 | 150 |
| | | kW | 109 | 120 |
| ENGINE | Engine | BAUDOUIIN | | |
| | Model | 6M11G150/5e2 | | |
| | Configuration | INLINE | | |
| | No, of Cylinders | 4 | | |
| | Speed | rpm | 1500 | 1500 |
| | Displacement | l | 6,75 | 6,75 |
| | Bore x Stroke | mm | 105x130 | 105x130 |
| | Compression Ratio | | 18:1 | 18:1 |
| | Aspiration | | Turbocharged | Turbocharged |
| | Governor Type | | Electronic | |
| | Cooling | | Water | |
| | Coolant Capacity | l | 28 | 28 |
| | Lubrication Oil Capacity | l | 16 | 16 |
| | Fuel Consumption l/h | 100%Load | 30,4 | 32,7 |
| 75% Load | | 23,1 | 24,5 | |
| 50%Load | | 15,9 | 16,7 | |
| ALTERNATOR | Phase | 3 | | |
| | Pole | 4 | | |
| | No, of Leads | 12 | | |
| | Excitation System | AVR | | |
| | Insulation Class | H | | |
| | IP Protection | IP23 | | |
| | Power Factor | 0,8 | | |
| | Frequency | Hz | 50 | 50 |
| | Voltage | V | 400 | 400 |
| SIZE | Canopy Set Dimensions (LxWxH) & Weight | mm | 3580 x 1050 x 1870 | 3580 x 1050 x 1870 |
| | | kg | 1810 | 1950 |
| | Open Set Dimensions (LxWxH) & Weight | mm | 3100 x 1050 x 1650 | 3100 x 1050 x 1650 |
| | | kg | 1560 | 1700 |
| | Fuel Tank Capacity | l | 380 | 380 |

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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

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