

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

- BAUDOQUIN heavy duty diesel engine
- 4-cycle, water cooled, 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.
- 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 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		EABD220	EABD250	EABD275	
OUTPUT	Standby	kVA	220	250	275
		kW	176	200	220
	Prime	kVA	200	227	250
		kW	160	182	200
ENGINE	Engine	BAUDOUIIN			
	Model	6M16G220/5e2	6M16G250/5e2	6M16G275/5e2	
	Configuration	INLINE			
	No. of Cylinders	6			
	Speed	rpm	1500	1500	1500
	Displacement	l	9,73	9,73	9,73
	Bore x Stroke	mm	126 x 130	126 x 130	126 x 130
	Compression Ratio		17:1	17:1	17:1
	Aspiration		Turbocharged		
	Governor Type		Electronic		
	Cooling		Water		
	Coolant Capacity	l	90	90	90
		l	24	24	24
	Fuel Consumption l/h	100%Load	42,1	49,7	56,9
75% Load		31,6	37,5	42,2	
50%Load		21,9	26	28,4	
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	50
	Voltage	V	400	400	400
SIZE	Canopy Set Dimensions (LxWxH) & Weight	mm	3820 x 1150 x 2465	3820 x 1150 x 2465	3820 x 1150 x 2465
		kg	2630	2630	2640
	Open Set Dimensions (LxWxH) & Weight	mm	3340 x 1150 x 2220	3340 x 1150 x 2220	3340 x 1150 x 2220
		kg	2595	2595	2605
	Fuel Tank Capacity	l	580	580	580

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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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