

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, 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

www.eapowers.com +44(0)1163180570

Registered in England & Wales No:11023250



MOTEURS
Baudouin

MODEL		EABD330	EABD385	EABD440	
OUTPUT	Standby	kVA	330	385	440
		kW	264	308	352
	Prime	kVA	300	350	400
		kW	240	280	320
ENGINE	Engine	BAUDOUIN			
	Model	6M16G330/5e2	6M21G385/5e2	6M21G440/5e2	
	Configuration	INLINE			
	No. of Cylinders	6			
	Speed	rpm	1500	1500	1500
	Displacement	l	9,73	12,54	12,54
	Bore x Stroke	mm	126 x 130	127 x 165	127 x 165
	Compression Ratio		17:1	16:1	16:1
	Aspiration		Turbocharged		
	Governor Type		Electronic		
	Cooling		Water		
	Coolant Capacity	l	50	36	36
		l	30	25	25
	Fuel Consumption l/h	100%Load	70,5	82,1	85
75% Load		52,3	60,6	63,5	
50%Load		35,3	40,9	43,1	
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	3705 x 1400 x 2615	3705 x 1400 x 2615
		kg	2920	2975	2985
	Open Set Dimensions (LxWxH) & Weight	mm	3340 x 1150 x 1930	3450 x 1400 x 2390	3450 x 1400 x 2390
		kg	2480	2440	2450
	Fuel Tank Capacity	l	580	750	750

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CONTROL MODULE

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- 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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