

Baudouin 250-350 kVA 50 Hz Diesel Generator Set



Power



Images are for illustration purpose only



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.

Base 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.

ENGINE

BAUDOUIN heavy duty diesel engine
4-cycle, water cooled, turbocharged
Direct injection

12/24 Volt starter 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

Diesel gen-set maintenance and
operating instructions and electrical
circuit diagram

ALTERNATOR

Brushless, single bearing, 4-pole
alternator coupled with flexible disc
coupling

H type insulation class

IP 23 protection

Self exciting

Electronic AVR

CONTROL PANEL

DeepSea 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 (Optional)

Power cable entry with a gland plate



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

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Registered in England & Wales No:11023250

MOTEURS
Baudouin

Baudouin 250-350 kVA

50 Hz Diesel Generator Set



MODEL		EAB250	EAB275	EAB300	EAB350	
OUTPUT	Standby	kVA	250	275	300	350
		kW	200	220	240	280
	Prime	kVA	230	250	275	320
		kW	164	200	220	256
ENGINE	Engine		BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
	Model		6M16G250/5	6M16G275/5	6M16G300/5	6M16G350/5
	Configuration		INLINE	INLINE	INLINE	INLINE
	No. of Cylinders		6	6	6	6
	Speed	rpm	1500	1500	1500	1500
	Displacement	l	9.73	9.73	9.73	9.73
	Bore x Stroke	mm	126 x 130	126 x 130	126 x 130	126 x 130
	Compression Ratio		17:1	17:1	17:1	17:1
	Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
	Governor Type		Electronic	Electronic	Electronic	Electronic
	Cooling		Water	Water	Water	Water
	Coolant Capacity	l	44	44	50	50
	Lubrication Oil Capacity	l	26	26	26	26
	Fuel Consumption l/h	100%Load	50.9	56.9	59	82.1
75% Load		38	42.2	45	60.7	
50%Load		25.8	28.3	33	41	
ALTERNATOR	Phase		3	3	3	3
	Pole		4	4	4	4
	No. of Leads		12	12	12	12
	Excitation System		AVR	AVR	AVR	AVR
	Insulation Class		H	H	H	H
	IP Protection		IP23	IP23	IP23	IP23
	Power Factor		0.8	0.8	0.8	0.8
	Frequency	Hz	50	50	50	50
	Voltage	V	400	400	400	400
SIZE	Canopy Set Dimensions (LxWxH) & Weight	mm	3800 x 1200 x 2490	3800 x 1200 x 2490	3705 x 1400 x 2645	3705 x 1400 x 2645
		kg	2722	2722	4291	4291
	Open Set Dimensions (LxWxH) & Weight	mm	3100 x 1200 x 2490	3100 x 1200 x 2490	3450 x 1400 x 1885	3450 x 1400 x 1885
		kg	2404	2404	3844	2844
	Fuel Tank Capacity	l	360	360	360	880

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CONTROL MODULE

DSE 7 Series Control Module

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

Displays

Engine Speed (rpm)

Oil pressure

Fuel Level (%)

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 Fuel Level

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