Baudouin 400-550 kVA

50 Hz Diesel Generator Set





Images are for illustration purpose only

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

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.

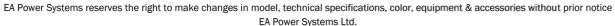
Prime Power

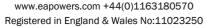
The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

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.











MODEL		EAB400	EAB440	EAB500	EAB550	
ОИТРИТ	Standby	kVA	400	440	500	550
		kW	320	352	400	440
	Prime	kVA	364	400	450	500
		kW	291	320	360	400
ENGINE	Engine		BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
	Model		6M21G385/5	6M21G440/5	6M21G500/5	6M26G550/5
	Configuration		INLINE	INLINE	INLINE	INLINE
	No. of Cylinders		6	6	6	6
	Speed	rpm	1500	1500	1500	1500
	Displacement	1	12.54	12.54	12.54	15.9
	Bore x Stroke	mm	127 x 165	127 x 165	127 x 165	150 x 150
	Compression Ratio		16:1	16:1	16:1	15.7:1
	Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
	Governor Type		Electronic	Electronic	ECU	Electronic
	Cooling		Water	Water	Water	Water
	Coolant Capacity	1	55	55	55	110.7
	Lubrication Oil Capacity	1	30	30	30	52
	Fuel Consumption I/h	100%Load	82	85.5	110.2	106.8
		75% Load	61	63.5	82.65	79.8
		50%Load	41	43.2	55.1	54.5
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		н	н	н	Н
	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	3705 x 1400 x 2645	3705 x 1400 x 2645	4400 x 1700 x 2960	4400 x 1700 x 2960
		kg	4291	4427	5425	6756
	Open Set Dimensions (LxWxH) & Weight	mm	3450 x 1400 x 1885	3450 x 1400 x 1885	4000 x 1700 x 2210	4000 x 1700 x 2210
		kg	3844	3980	4685	6016
	Fuel Tank Capacity	1	880	880	1272	1272

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



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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

