

Baudouin 120-220 kVA 50 Hz Diesel Generator Set



Power



Images are for illustration purpose only



ENGINE

Baudouin heavy duty diesel engine

4-cycle, water cooled, turbocharged

Direct injection

12/24 Volt starter motor, battery charger 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

Engine jacket water heater.

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

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 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)

Standby Power

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source.

Overloading 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.



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EA Power Systems Ltd.

207 Dominion Rd. LE36QA Leicester United Kingdom

www.eapowers.com +44(0)1163180570

MOTEURS
Baudouin

Baudouin 120-220 kVA

50 Hz Diesel Generator Set



Power

MODEL		EAB120	EAB150	EAB165	EAB220	
OUTPUT	Standby	kVA	120	150	165	220
		kW	96	120	132	176
	Prime	kVA	109	136	150	200
		kW	87	109	120	160
ENGINE	Engine		BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
	Model		4M11G120/5	6M11G150/5	6M11G165/5	6M16G220/5
	Configuration		INLINE	INLINE	INLINE	INLINE
	No. of Cylinders		4	6	6	6
	Speed	rpm	1500	1500	1500	1500
	Displacement	l	4.5	6.75	6.75	9.73
	Bore x Stroke	mm	105 x 130	105 x 130	105 x 130	126 x 130
	Compression Ratio		18:1	18:1	18:1	17:1
	Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
	Governor Type		Electronic	Electronic	Electronic	Electronic
	Cooling		Water	Water	Water	Water
	Coolant Capacity	l	13.3	17	17	44
	Lubrication Oil Capacity	l	11	17	17	26
	Fuel Consumption l/h	100%Load	23.2	30.2	32.6	43.1
75% Load		17.4	23	24.6	32.4	
50%Load		11.9	15.9	16.7	22.4	
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	3050 x 1100 x 1690	3220 x 1100 x 1690	3220 x 1100 x 1690	3800 x 1200 x 2490
		kg	1922	1970	2080	2621
	Open Set Dimensions (LxWxH) & Weight	mm	2600 x 1100 x 1690	2770 x 1100 x 1690	2770 x 1100 x 1690	3100 x 1200 x 2490
		kg	1669	1715	1753	2303
	Fuel Tank Capacity	l	275	275	275	360

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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