Baudouin 250-385 kVA

50 Hz Diesel Generator Set

EA Power

Images are for illustration purpose only

ENGINE

Baudouin heavy duty diesel engine

4-cycle, water cooled, turbocharged

Direct injection

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.

CE ISO 9001 ISO 14001

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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Registered in England & Wales No:11023250

MOTEURS Baudouin

Baudouin 250-385 kVA

50 Hz Diesel Generator Set

EA Power

*The indicated Prime Power (PRP) is for reference only. This generating set is designed for emergency standby power (ESP) applications only.

MODEL			EAB250	EAB275	EAB350	EAB385
OUTPUT	Standby	kVA	250	275	350	385
		kW	200	220	280	308
	Prime	kVA	227	250	318*	350
		kW	182	200	255*	280
ENGINE	Engine		BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
	Model		6M16G250/5	6M16G275/5	6M16G350/5	6M21G385/5
	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	12.54
	Bore x Stroke	mm	126 x 130	126 x 130	126 x 130	127 x 165
	Compression Ratio		17:1	17:1	17:1	16:1
	Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
	Governor Type		Electronic	Electronic	Electronic	Electronic
	Cooling		Water	Water	Water	Water
	Coolant Capacity	l	44	44	50	55
	Lubrication Oil Capacity	l	26	26	26	30
	Fuel Consumption l/h	100%Load	50.9	56.9	82.1	82.1
		75% Load	38	42.2	60.7	60.7
		50%Load	25.8	28.3	41	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	2844	2844
	Fuel Tank Capacity	l	360	360	880	880

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MOTEURS Baudouin

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

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