

Baudouin 1000-1400 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
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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Registered in England & Wales No:11023250

 **MOTEURS**
Baudouin



MODEL			EAB1000	EAB1120	EAB1250	EAB1400
OUTPUT	Standby	kVA	1000	1120	1250	1400
		kW	800	896	1000	1120
	Prime	kVA	909	1020	1136	1273
		kW	727	816	909	1018
ENGINE	Engine		BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
	Model		12M26G1000/5	12M26G1100/5	12M33G1250/5	12M33G1400/5
	Configuration		V	V	V	V
	No. of Cylinders		12	12	12	12
	Speed	rpm	1500	1500	1500	1500
	Displacement	l	31.8	31.8	39.2	39.2
	Bore x Stroke	mm	150 x 150	150 x 150	150 x 185	150 x 185
	Compression Ratio		15.7:1	15.7:1	15:1	15:1
	Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
	Governor Type		Electronic	Electronic	Electronic	Electronic
	Cooling		Water	Water	Water	Water
	Coolant Capacity	l	191	191	240	240
	Lubrication Oil Capacity	l	109	109	155	155
	Fuel Consumption l/h	100%Load	195.5	207.1	236.2	258.6
		75% Load	145.5	155.3	175	190.7
		50%Load	100.8	106.6	119.5	129.2
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	5150 x 2200 x 3250	5150 x 2200 x 3250	5450 x 2400 x 3470	5450 x 2400 x 3470
		kg	11183	11183	13146	13365
	Open Set Dimensions (LxWxH) & Weight	mm	4900 x 2200 x 2780	4900 x 2200 x 2780	5200 x 2400 x 2676	5200 x 2400 x 2676
		kg	9478	9478	11296	11515
	Fuel Tank Capacity	l	1928	1928	2072	2072

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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