# Baudouin 1400-1700 kVA

# 50 Hz Diesel Generator Set







### **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



power to varying electrica 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.

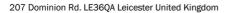
## **Base Power**

Continuous power rating is used in applications where supplying power is at a constant 100% load for an unlimited number of hours each year.



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MODEL			EAB1400	EAB1500	EAB1650	EAB1700
ОИТРИТ	Standby	kVA	1400	1500	1650	1700
		kW	1120	1200	1320	1360
	Prime	kVA	1250	1375	1500	1500
		kW	1000	1100	1200	1200
ENGINE	Engine		BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
	Model		12M33G1400/5	12M33G1500/5	12M33G1650/5	12M33G1700/5
	Configuration		V	V	V	V
	No. of Cylinders		12	12	12	16
	Speed	rpm	1500	1500	1500	1500
	Displacement	I	39.2	39.2	39.2	52.3
	Bore x Stroke	mm	150 x 185	150 x 185	150 x 185	150 x 185
	Compression Ratio		15:1	15:1	15:1	15:1
	Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
	Governor Type		Electronic	Electronic	ECU	ECU
	Cooling		Water	Water	Water	Water
	Coolant Capacity	1	240	303	303	542
	Lubrication Oil Capacity	ı	155	155	480	171
	Fuel Consumption I/h	100%Load	258.6	N/A	N/A	325,2
		75% Load	190.7	N/A	N/A	241,8
		50%Load	129.2	N/A	N/A	163,7
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	5450 x 2400 x 3470	5450 x 2400 x 3470	5450 x 2400 x 3470	5450 x 2400 x 3470
		kg	13365	13568	13828	13828
	Open Set Dimensions (LxWxH) & Weight	mm	5200 x 2400 x 2676	5200 x 2400 x 2676	5200 x 2400 x 2676	5200 x 2400 x 2676
		kg	11515	11718	11978	11978
	Fuel Tank Capacity	I	2072	N/A	2275	N/A
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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

