

Baudouin 715-900 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 alterna-
tor 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 genera-
tor 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 con-
stant 100% load for an un-
limited number of hours.



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EA Power Systems Ltd.

207 Dominion Rd. LE36QA Leicester United Kingdom

www.eapowers.com +44(0)1163180570

Registered in England & Wales No:11023250

MOTEURS
Baudouin

Baudouin 715-900 kVA

50 Hz Diesel Generator Set



Power

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

MODEL		EAB715	EAB750	EAB825	EAB900	
OUTPUT	Standby	kVA	715	750	825	900
		kW	572	600	660	720
	Prime	kVA	650	682	750	818
		kW	520	545	600	654
ENGINE	Engine		BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
	Model		6M33G715/5	6M33G750/5*	6M33G825/5	12M26G900/5
	Configuration		INLINE	INLINE	INLINE	V
	No. of Cylinders		6	6	6	12
	Speed	rpm	1500	1500	1500	1500
	Displacement	l	19.6	19.6	19.6	31.8
	Bore x Stroke	mm	150 x 185	150 x 185	150 x 185	150 x 150
	Compression Ratio		15:1	15:1	15:1	15.7:1
	Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
	Governor Type		Electronic	Electronic	ECU	Electronic
	Cooling		Water	Water	Water	Water
	Coolant Capacity	l	159	159	159	191
	Lubrication Oil Capacity	l	61	61	61	109
	Fuel Consumption l/h	100%Load	136.3	171	182.4	173.7
75% Load		100	128.25	91.2	133.1	
50%Load		67.1	85.5	61	90.8	
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	4500 x 1800 x 2980	4500 x 1800 x 2980	4500 x 1800 x 2980	5150 x 2200 x 3250
		kg	7227	7227	7227	11183
	Open Set Dimensions (LxWxH) & Weight	mm	4290 x 1800 x 2360	4290 x 1800 x 2360	4290 x 1800 x 2360	4290 x 2200 x 2780
		kg	6452	6452	6452	9478
	Fuel Tank Capacity	l	1140	1140	1140	1928

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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