

BAUDOUIIN 33-55 kVA

Technical Specifications



ENGINE

- BAUDOUIIN series heavy duty diesel engine
- 4 cycle, water cooled, natural / turbocharged
- Direct injection
- Mechanic / electronic governor system
- 12 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure

- The alternator windings are protected by insulating varnish against oil and acid.

EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter
- PMG warning system

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

- LCD display screen
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start/stop failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender



BAUDOIN Series

Diesel Generator Sets

BAUDOIN Series Diesel Generator Sets 33-55 KVA

MODEL				E BD XX 0033	E BD XX 0044	E BD XX 0050	E BD XX 0055	
GROUP	GEN - SET POWER	STAND BY	kVA	33	44	50	55	
			kW	26	35	40	44	
		PRIME	kVA	30	40	45	50	
			kW	24	32	36	40	
	CANOPY DIMENSION (W x L x H) mm				1000 x 2450 x 1610	1000 x 2450 x 1610	1000 x 2450 x 1610	1000 x 2450 x 1610
	CANOPY WEIGHT kg				905	925	945	960
	OPEN DIMENSION (W x L x H) mm				1000 x 2050 x 1390	1000 x 2050 x 1400	1000 x 2050 x 1400	1000 x 2050 x 1520
	OPEN WEIGHT kg				710	730	750	765
ENGINE	BRAND				BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN
	TYPE				4M06G33/5	4M06G44/5	4M06G50/5	4M06G55/5
	POWER	STAND BY	kW	33	40	48	53	
			PRIME	kW	30	36	44	48
	SPEED (rpm)				1500	1500	1500	1500
	CYCLE				4	4	4	4
	DISPLACEMENT (lt)				3,12	2,3	2,3	2,3
	NUMBER OF CYLINDERS				4 IN LINE	4 IN LINE	4 IN LINE	4 IN LINE
	BORE AND STROKE (mm x mm)				105 x 120	89 x 92	89 x 92	89 x 92
	COMPRESSION RATIO				15,5:1	17,5:1	17,5:1	17,5:1
	GOVERNOR TYPE				MECHANIC / ELECTRONIC			
	INDUCTION				NATURAL	TURBOCHARGED	TURBOCHARGED+INTERCOOLED	
	COMBUSTION SYSTEM				DIRECT INJECTION			
	COOLING SYSTEM				WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER			8,1	9,3	10,4	11,3
		75% OF PRIME POWER			6,4	6,8	7,5	8,4
50% OF PRIME POWER			4,7	4,6	5,2	5,7		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)				7,25	9,5	9,5	9,5	
TOTAL COOLANT CAPACITY (lt)				15	11,7	11,7	11,7	
FUEL TANK CAPACITY (lt)				132	132	132	132	

Emsa reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice.

