

BAUDOUIN 500-550 kVA

Technical Specifications



ENGINE

- BAUDOUIN series heavy duty diesel engine
- 4 cycle, water cooled turbocharged & air to air charge cooled
- Direct injection
- Electronic governor system
- 24 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



BAUDOUIN Series Diesel Generator Sets 500-550 KVA

MODEL				E BD XX 0500		E BD XX 0550	
GROUP	GEN - SET POWER	STAND BY	kVA	500		550	
			kW	400		440	
		PRIME	kVA	455		500	
			kW	364		400	
	CANOPY DIMENSION (W x L x H) mm			1600 x 4400 x 2650		1600 x 4400 x 2650	
	CANOPY WEIGHT kg			4105		4150	
	OPEN DIMENSION (W x L x H) mm			1600 x 4000 x 2220		1600 x 4000 x 2220	
	OPEN WEIGHT kg			3590		3630	
ENGINE	BRAND			BAUDOUIN		BAUDOUIN	
	TYPE			6M21G500/5		6M26G550/5e2	
	POWER	STAND BY	kW	450		484	
		PRIME	kW	409		440	
	SPEED (rpm)			1500		1500	
	CYCLE			4		4	
	DISPLACEMENT (lt)			12,54		15,90	
	NUMBER OF CYLINDERS			6 CYLINDERS INLINE		6 CYLINDERS INLINE	
	BORE AND STROKE (mm x mm)			127 X 165		150 X 150	
	COMPRESSION RATIO			16,5:1		15,7:1	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED-INTERCOOLER			
	COMBUSTION SYSTEM			DIRECT			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		112,9		104,9	
		75% OF PRIME POWER		77,8		78,4	
		50% OF PRIME POWER		52,0		53,6	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			36		50		
TOTAL COOLANT CAPACITY (lt)			69,2		142		
FUEL TANK CAPACITY (lt)			1145		1145		

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