

## BAUDOQUIN 72-110 kVA

### Technical Specifications



#### ENGINE

- BAUDOQUIN series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged
- Direct injection
- Mechanic / electronic governor system
- 12/24 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 gen-sets; VDE 0530, BS 4999, BS 5000, IEC 34, TS ISO 8528, TS EN 12601 are manufactured in accordance with the standards mentioned above. Our company fulfills ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 management system requirements, and have the accredited certificates of Kiwa & MEYER. Also we've GOST-R certificate. Our gen-sets have TS ISO 8528-5, TS EN 12601 product standard certificates.

Our gen-sets are CE certified in accordance with the requirements of 2000/14/EC, noise emission directive.

#### 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

#### 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

#### 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 72-110 KVA

MODEL				E BD XX 0072	E BD XX 0088	E BD XX 0110	
GROUP	GEN - SET POWER	STAND BY	kVA	72	88	110	
			kW	58	70	88	
		PRIME	kVA	65	80	100	
			kW	52	64	80	
	CANOPY DIMENSION (W x L x H) mm				1000 x 2880 x 1615	1000 x 2880 x 1615	1050 x 3180 x 1870
	CANOPY WEIGHT kg				1260	1330	1580
	OPEN DIMENSION (W x L x H) mm				1000 x 2400 x 1480	1000 x 2400 x 1480	1050 x 2700 x 1850
	OPEN WEIGHT kg				1055	1125	1330
ENGINE	BRAND			BAUDOIN			
	TYPE			4M11G70/5e2			
	POWER	STAND BY	kW	66	81	108	
		PRIME	kW	60	74	98	
	SPEED (rpm)			1500			
	CYCLE			4			
	DISPLACEMENT (lt)			4,5			
	NUMBER OF CYLINDERS			4 IN LINE			
	BORE AND STROKE (mm x mm)			105 x 130			
	COMPRESSION RATIO			18:1			
	GOVERNOR TYPE			MECHANIC / ELECTRONIC			
	INDUCTION			TURBOCHARGED			
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		14,5	17,8	23,3	
		75% OF PRIME POWER		11	13,3	17,4	
		50% OF PRIME POWER		7,7	9,2	11,9	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			10				
TOTAL COOLANT CAPACITY (lt)			15,30				
FUEL TANK CAPACITY (lt)			180				

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