

## BAUDOQUIN 220-330 kVA

### Technical Specifications



#### ENGINE

- BAUDOQUIN 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 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

### BAUDOIN Series Diesel Generator Sets 220-330 KVA

MODEL				E BD XX 0220	E BD XX 0250	E BD XX 0275	E BD XX 0330
GROUP	GEN - SET POWER	STAND BY	kVA	220	250	275	330
			kW	176	200	220	264
		PRIME	kVA	200	227	250	300
			kW	160	182	200	240
	CANOPY DIMENSION (W x L x H) mm			1150 x 3820 x 2465	1150 x 3820 x 2465	1150 x 3820 x 2465	1150 x 3820 x 2465
	CANOPY WEIGHT kg			2630	2630	2640	2920 ± 40
	OPEN DIMENSION (W x L x H) mm			1150 x 3340 x 2220	1150 x 3340 x 2220	1150 x 3340 x 2220	1150 x 3340 x 1930
	OPEN WEIGHT kg			2595	2595	2605	2480 ± 40
ENGINE	BRAND			BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN
	TYPE			6M16G220/5e2	6M16G250/5e2	6M16G275/5e2	6M16G330/5e2
	POWER	STAND BY	kW	200	238	264	320
		PRIME	kW	182	216	240	291
	SPEED (rpm)			1500	1500	1500	1500
	CYCLE			4	4	4	4
	DISPLACEMENT (lt)			9,73	9,73	9,73	9,73
	NUMBER OF CYLINDERS			6 CYLINDERS INLINE	6 CYLINDERS INLINE	6 CYLINDERS INLINE	6 CYLINDERS INLINE
	BORE AND STROKE (mm x mm)			126 X 130	126 X 130	126 X 130	126 X 130
	COMPRESSION RATIO			17:1	17:1	17:1	17:1
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBO CHARGED-INTERCOOLER			
	COMBUSTION SYSTEM			DIRECT			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		42,1	49,7	56,9	70,5
		75% OF PRIME POWER		31,6	37,5	42,2	52,3
50% OF PRIME POWER		21,9	26	28,4	35,3		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			24	24	24	30	
TOTAL COOLANT CAPACITY (lt)			90	90	90	50	
FUEL TANK CAPACITY (lt)			580	580	580	580	

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

