

# BAUDOUIIN 17-22 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

## BAUDOUIIN Series Diesel Generator Sets 17-22 KVA

MODEL			BD XX 0017	BD XX 0022	
GROUP	GEN - SET POWER	STAND BY	kVA	17	22
			kW	14	18
		PRIME	kVA	15	20
			kW	12	16
	CANOPY DIMENSION (W x L x H) mm			900 x 2100 x 1310	900 x 2100 x 1310
	CANOPY WEIGHT kg			560	605
	OPEN DIMENSION (W x L x H) mm			900 x 1750 x 1235	900*1750 x 1235
	OPEN WEIGHT kg			440	485
ENGINE	BRAND			BAUDOUIIN	BAUDOUIIN
	TYPE			4M05G17/5	4M06G22/5
	POWER	STAND BY	kW	19	25
		PRIME	kW	18	23
	SPEED (rpm)			1500	1500
	CYCLE			4	4
	DISPLACEMENT (lt)			2,1	2,3
	NUMBER OF CYLINDERS			4 IN LINE	4 IN LINE
	BORE AND STROKE (mm x mm)			89 x 90	89 x 92
	COMPRESSION RATIO			17,5:1	17,5:1
	GOVERNOR TYPE			MECHANIC / ELECTRONIC	
	INDUCTION			NATURAL	
	COMBUSTION SYSTEM			DIRECT INJECTION	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		5,2	6,1
		75% OF PRIME POWER		3,9	4,5
50% OF PRIME POWER		2,8	3,2		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			8	9,5	
TOTAL COOLANT CAPACITY (lt)			9,8	11,7	
FUEL TANK CAPACITY (lt)			92	92	

