

# BAUDOUIIN 1250-1400 kVA

## Technical Specifications



### ENGINE

- BAUDOUIIN 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

## BAUDOIN Series Diesel Generator Sets 1250-1400 KVA

MODEL				BD XX 1250	BD XX 1400
GROUP	GEN - SET POWER	STAND BY	kVA	1250	1400
			kW	1000	1120
		PRIME	kVA	1125	1250
			kW	900	1000
	CANOPY DIMENSION (W x L x H) mm			2400 x 5450 x 3470	2400 x 5450 x 3470
	CANOPY WEIGHT kg			9035	9120
	OPEN DIMENSION (W x L x H) mm			2400 x 5200 x 2675	2400 x 5200 x 2675
	OPEN WEIGHT kg			7370	7450
ENGINE	BRAND			BAUDOIN	BAUDOIN
	TYPE			12M33G1250/5e2	12M33G1400/5e2
	POWER	STAND BY	kW	1108	1210
		PRIME	kW	1007	1100
	SPEED (rpm)			1500	1500
	CYCLE			4	4
	DISPLACEMENT (lt)			39,2	39,2
	NUMBER OF CYLINDERS			12 CYLINDERS V-TYPE	12 CYLINDERS V-TYPE
	BORE AND STROKE (mm x mm)			150 X 185	150 X 185
	COMPRESSION RATIO			15,1:1	15,1:1
	GOVERNOR TYPE			ELECTRONIC	
	INDUCTION			TURBO CHARGED-INTERCOOLER	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		236,1	259,1
		75% OF PRIME POWER		174,9	191,0
		50% OF PRIME POWER		119,4	129,5
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			146	146	
TOTAL COOLANT CAPACITY (lt)			232,94	232,94	
FUEL TANK CAPACITY (lt)			2000	2000	

