

# BAUDOUIIN 150-165 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 150-165 KVA

MODEL				BD XX 0150	BD XX 0165
GROUP	GEN - SET POWER	STAND BY	kVA	150	165
			kW	120	132
		PRIME	kVA	135	150
			kW	109	120
	CANOPY DIMENSION (W x L x H) mm			1050 x 3180 x 1870	1050 x 3180 x 1870
	CANOPY WEIGHT kg			1520	1585
	OPEN DIMENSION (W x L x H) mm			1050 x 2700 x 1690	1050 x 2700 x 1690
	OPEN WEIGHT kg			1280	1340
ENGINE	BRAND			BAUDOIN	BAUDOIN
	TYPE			6M11G150/5e2	6M11G165/5e2
	POWER	STAND BY	kW	140	152
		PRIME	kW	128	138
	SPEED (rpm)			1500	1500
	CYCLE			4	4
	DISPLACEMENT (lt)			6,75	6,75
	NUMBER OF CYLINDERS			6 IN LINE	6 IN LINE
	BORE AND STROKE (mm x mm)			105 x 130	105 x 130
	COMPRESSION RATIO			18:1	18:1
	GOVERNOR TYPE			ELECTRONIC	
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT INJECTION	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		30,4	32,7
		75% OF PRIME POWER		23,1	24,5
50% OF PRIME POWER		15,9	16,7		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			16	16	
TOTAL COOLANT CAPACITY (lt)			28	28	
FUEL TANK CAPACITY (lt)			280	280	

