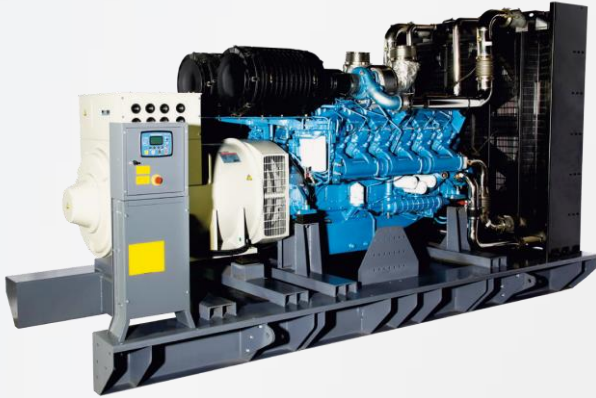


## BAUDOQUIN

### Technical Specifications



#### ENGINE

- BAUDOQUIN series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled /turbocharged & air to water 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
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

#### GEN-SET SAFETY PROTECTION & ALARMS

- High water temperature
- Over current load
- Low oil pressure
- High & low genset voltage
- High & low engine speed
- Start/stop failure
- Low radiator water level



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 1900-2750 kVA

MODEL				E BD XX 1900	E BD XX 2000	E BD XX 2300	E BD XX 2550	E BD XX 2750	
GROUP	GEN-SET POWER	STAND BY	kVA	1900	2000	2300	2550	2750	
			kW	1520	1600	1840	2040	2200	
		PRIME	kVA	1727	1818	2091	2318	2500	
			kW	1382	1454	1673	1854	2000	
	CANOPY DIMENSION (W x L x H) mm				N/A	N/A	N/A	N/A	N/A
	CANOPY WEIGHT kg				N/A	N/A	N/A	N/A	N/A
	OPEN DIMENSION (W x L x H) mm				N/A	N/A	N/A	N/A	N/A
	OPEN WEIGHT				N/A	N/A	N/A	N/A	N/A
ENGINE	BRAND			BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN	
	TYPE			16M3361900/5	16M3362000/5^	12M5562300/5	12M5562550/5	12M5562750/5^	
	POWER	STAND BY	kW	1680	1800	2020	2210	2450	
		PRIME	kW	1530	1620 *	1850	1985	2200 *	
	SPEED (rpm)			1500	1500	1500	1500	1500	
	CYCLE			4	4	4	4	4	
	DISPLACEMENT (lt)			52.3	52.3	65.65	65.65	65.65	
	NUMBER OF CYLINDERS			16 V	16 V	12 V	12 V	12 V	
	BORE x STROKE (mm x mm)			150 x 185	150 x 185	180 x 215	180 x 215	180 x 215	
	COMPRESSION RATIO			15 : 1	15 : 1	16.5 : 1	16.5 : 1	16.5 : 1	
	GOVERNOR TYPE			ECU	ECU	ECU	ECU	ECU	
	INDUCTION			TURBOCHARGED - AIR TO WATER COOLED	TURBOCHARGED - AIR TO WATER COOLED	TURBOCHARGED - AIR TO WATER COOLED	TURBOCHARGED - AIR TO WATER COOLED	TURBOCHARGED - AIR TO WATER COOLED	
	COMBUSTION SYSTEM			DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	
	COOLING SYSTEM			WATER	WATER	WATER	WATER	WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		364.3	N/A	407.2	437.2	N/A	
		%75 PRIME POWER		265.4	N/A	309.5	330.5	N/A	
%50 PRIME POWER		179.7	N/A	217.5	231.9	N/A			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			171	171	480	480	480		
TOTAL COOLANT CAPACITY (lt)			542	542	N/A	N/A	N/A		
FUEL TANK CAPACITY (lt)			N/A	N/A	N/A	N/A	N/A		

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