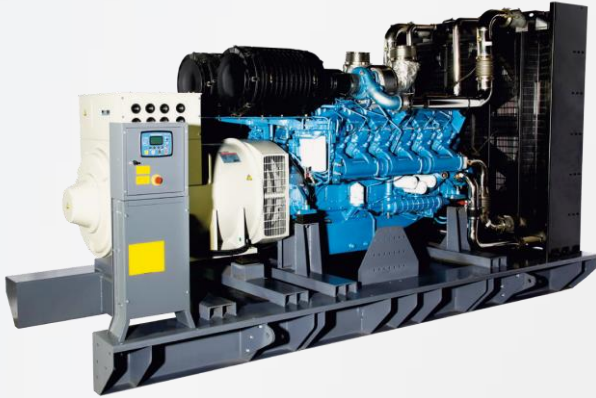


BAUDOQUIN

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 1250-1700 kVA

MODEL				E BD XX 1250	E BD EG 1400	E BD XX 1500	E BD XX 1650	E BD XX 1700
GROUP	GEN-SET POWER	STAND BY	kVA	1250	1400	1500	1650	1700
			kW	1000	1120	1200	1320	1360
		PRIME	kVA	1136	1273	1364	1500	1545
			kW	909	1018	1091	1200	1236
	CANOPY DIMENSION (W x L x H) mm			2400x5450x3470	2400x5450x3470	N/A	N/A	N/A
	CANOPY WEIGHT kg			13146	13365	N/A	N/A	N/A
	OPEN DIMENSION (W x L x H) mm			2400x5200x2676	2400x5200x2676	N/A	N/A	N/A
	OPEN WEIGHT			11296	11515	N/A	N/A	N/A
ENGINE	BRAND			BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN
	TYPE			12M33G1250/5	12M33G1400/5	12M33G1500/5^	12M33G1650/5	16M33G1700/5
	POWER	STAND BY	kW	1108	1210	1320	1450	1530
		PRIME	kW	1007	1100	1200	1318 *	1390
	SPEED (rpm)			1500	1500	1500	1500	1500
	CYCLE			4	4	4	4	4
	DISPLACEMENT (lt)			39.2	39.2	39.2	39.2	52.3
	NUMBER OF CYLINDERS			12 V	12 V	12 V	12 V	16 V
	BORE x STROKE (mm x mm)			150 x 185	150 x 185	150 x 185	150 x 185	150 x 185
	COMPRESSION RATIO			15 : 1	15 : 1	15 : 1	15 : 1	15 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC	ECU	ECU
	INDUCTION			TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR 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		236.2	258.6	N/A	N/A	325.2
		%75 PRIME POWER		175	190.7	N/A	N/A	241.8
		%50 PRIME POWER		119.5	129.2	N/A	N/A	163.7
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			155	155	155	480	171	
TOTAL COOLANT CAPACITY (lt)			240	240	303	N/A	542	
FUEL TANK CAPACITY (lt)			2072	2072	N/A	N/A	N/A	

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