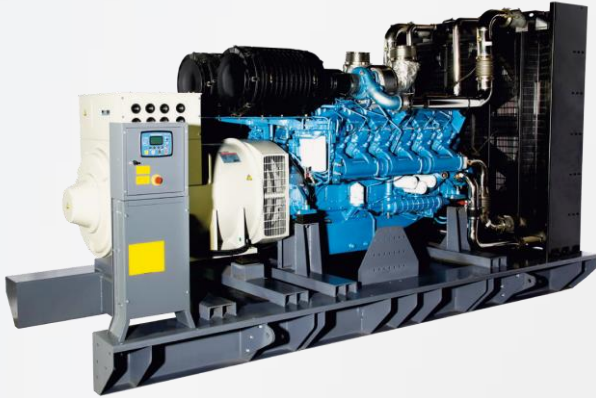


BAUDOQUIN

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 750-1120 kVA

MODEL				E BD XX 0750	E BD XX 0825	E BD XX 0900	E BD XX 1000	E BD XX 1120	
GROUP	GEN-SET POWER	STAND BY	kVA	750	825	900	1000	1120	
			kW	600	660	720	800	896	
		PRIME	kVA	682	750	818	909	1020	
			kW	545	600	654	727	816	
	CANOPY DIMENSION (W x L x H) mm				1800x4500x2980	1800x4500x2980	2200x5150x3250	2200x5150x3250	2200x5150x3250
	CANOPY WEIGHT kg				7227	7227	11183	11183	11183
	OPEN DIMENSION (W x L x H) mm				1800x4290x2360	1800x4290x2360	2200x4900x2780	2200x4900x2780	2200x4900x2780
OPEN WEIGHT				6452	6452	9478	9478	9478	
ENGINE	BRAND			BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN	
	TYPE			6M33G750/5^	6M33G825/5	12M26G900/5	12M26G1000/5	12M26G1100/5	
	POWER	STAND BY	kW	670	725	793	902	973	
		PRIME	kW	610	659	725	820	889	
	SPEED (rpm)			1500	1500	1500	1500	1500	
	CYCLE			4	4	4	4	4	
	DISPLACEMENT (lt)			19,6	19,6	31,8	31,8	31,8	
	NUMBER OF CYLINDERS			6 IN LINE	6 IN LINE	12 V	12 V	12 V	
	BORE x STROKE (mm x mm)			150 x 185	150 x 185	150 x 150	150 x 150	150 x 150	
	COMPRESSION RATIO			15 : 1	15 : 1	15.7 : 1	15.7 : 1	15.7 : 1	
	GOVERNOR TYPE			ELECTRONIC	ECU	ELECTRONIC	ELECTRONIC	ELECTRONIC	
	INDUCTION			TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	TURBOCHARGED - AIR TO AIR COOLED	
	COMBUSTION SYSTEM			DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	
	COOLING SYSTEM			WATER	WATER	WATER	WATER	WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		171	182,4	173,7	195,5	207,1	
		%75 PRIME POWER		128,25	136,8	133,1	146,5	155,3	
%50 PRIME POWER		85,5	91,2	90,8	100,8	106,6			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			61	61	109	109	109		
TOTAL COOLANT CAPACITY (lt)			159	159	191	191	191		
FUEL TANK CAPACITY (lt)			1140	1140	1928	1928	1928		

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