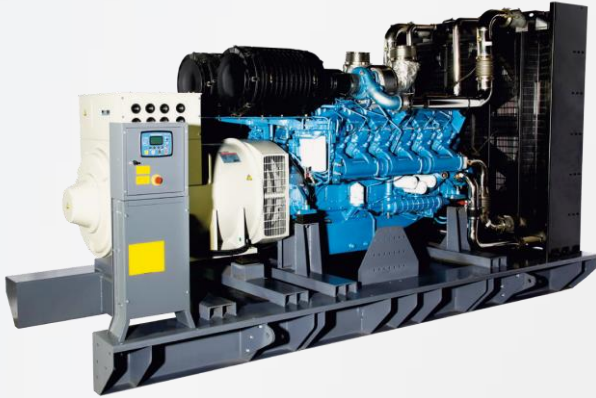


BAUDOQUIN

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 72-165 kVA

MODEL				E BD XX 0072	E BD XX 0090	E BD XX 0120	E BD XX 0150	E BD XX 0165
GROUP	GEN-SET POWER	STAND BY	kVA	72	90	120	150	165
			kW	57,6	72	96	120	132
		PRIME	kVA	65	82	109	136	150
			kW	52	65	87	109	120
	CANOPY DIMENSION (W x L x H) mm			1000x2600x1410	1000x2600x1410	1100x3050x1690	1100x3220x1690	1100x3220x1690
	CANOPY WEIGHT kg			1536	1536	1922	1970	2008
	OPEN DIMENSION (W x L x H) mm			1000x2200x1410	1000x2200x1410	1100x2600x1690	1100x2770x1690	1100x2770x1690
	OPEN WEIGHT			1339	1339	1669	1715	1753
ENGINE	BRAND			BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN	BAUDOIN
	TYPE			4M11670/5	4M11690/5	4M116120/5	6M116150/5	6M116165/5
	POWER	STAND BY	kW	66	81	108	140	152
		PRIME	kW	60	74	98	128	138
	SPEED (rpm)			1500	1500	1500	1500	1500
	CYCLE			4	4	4	4	4
	DISPLACEMENT (lt)			4,5	4,5	4,5	6,75	6,75
	NUMBER OF CYLINDERS			4 IN LINE	4 IN LINE	4 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			105 x 130	105 x 130	105 x 130	105 x 130	105 x 130
	COMPRESSION RATIO			18 : 1	18 : 1	18 : 1	18 : 1	18 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED	TURBOCHARGED	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		14,6	18,6	23,2	30,2	32,6
		%75 PRIME POWER		11	13,7	17,4	23	24,6
		%50 PRIME POWER		7,8	9,5	11,9	15,9	16,7
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			11	11	11	17	17	
TOTAL COOLANT CAPACITY (lt)			17	17	13,3	17	17	
FUEL TANK CAPACITY (lt)			139	139	275	275	275	

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



Discover the potential