

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



BAUDOUIN Series

Diesel Generator Sets

BAUDOUIN Series Diesel Generator Sets 440-715 kVA

MODEL				E BD XX 0440	E BD XX 0500	E BD XX 0550	E BD XX 0660	E BD XX 0715
GROUP	GEN-SET POWER	STAND BY	kVA	440	500	550	660	715
			kW	352	400	440	528	572
		PRIME	kVA	400	455	500	600	650
			kW	320	364	400	480	520
	CANOPY DIMENSION (W x L x H) mm			1400x3705x2645	1700x4400x2960	1700x4400x2960	1800x4500x2980	1800x4500x2980
	CANOPY WEIGHT kg			4427	5425	6756	7085	7227
	OPEN DIMENSION (W x L x H) mm			1400x3450x1885	1700x4000x2210	1700x4000x2210	1800x4290x2360	1800x4290x2360
	OPEN WEIGHT			3980	4685	6016	6310	6452
ENGINE	BRAND			BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
	TYPE			6M216440/5	6M216500/5^	6M266550/5	6M336660/5	6M336715/5
	POWER	STAND BY	kW	405	450	490	587	633
		PRIME	kW	368	409 *	448	536	575
	SPEED (rpm)			1500	1500	1500	1500	1500
	CYCLE			4	4	4	4	4
	DISPLACEMENT (lt)			12.54	12.54	15.9	19.6	19.6
	NUMBER OF CYLINDERS			6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			127 x 165	127 x 165	150 x 150	150 x 185	150 x 185
	COMPRESSION RATIO			16 : 1	16 : 1	15.7 : 1	15 : 1	15 : 1
	GOVERNOR TYPE			ELECTRONIC	ECU / ELECTRONIC	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		85.5	110.2	106.8	126.5	136.3
		%75 PRIME POWER		63.5	82.65	79.8	94.1	100
%50 PRIME POWER		43.2	55.1	54.5	63.6	67.1		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			30	30	52	61	61	
TOTAL COOLANT CAPACITY (lt)			55	55	110.7	159	159	
FUEL TANK CAPACITY (lt)			880	1272	1272	1140	1140	

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



Discover the potential