

## BAUDOUIN 385-440 kVA

### Technical Specifications



#### ENGINE

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

#### GEN-SET SAFETY PROTECTION & ALARMS

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



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 385-440 KVA

MODEL				E BD XX 0385	E BD XX 0440
GROUP	GEN - SET POWER	STAND BY	kVA	385	440
			kW	308	352
		PRIME	kVA	350	400
			kW	280	320
	CANOPY DIMENSION (W x L x H) mm			1400 x 3705 x 2645	1400 x 3705 x 2645
	CANOPY WEIGHT kg			2860	2950
	OPEN DIMENSION (W x L x H) mm			1400 x 3250 x 1750	1400 x 3250 x 1750
	OPEN WEIGHT kg			2455	2550
ENGINE	BRAND			BAUDOUIN	BAUDOUIN
	TYPE			6M21G385/5e2	6M21G440/5e2
	POWER	STAND BY	kW	385	405
		PRIME	kW	350	368
	SPEED (rpm)			1500	1500
	CYCLE			4	4
	DISPLACEMENT (lt)			12,54	12,54
	NUMBER OF CYLINDERS			6 CYLINDERS INLINE	6 CYLINDERS INLINE
	BORE AND STROKE (mm x mm)			127 X 165	127 X 165
	COMPRESSION RATIO			16:1	16:1
	GOVERNOR TYPE			ELECTRONIC	
	INDUCTION			TURBO CHARGED-INTERCOOLER	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		82,1	85,0
		75% OF PRIME POWER		60,6	63,5
		50% OF PRIME POWER		40,9	43,1
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			36	36
TOTAL COOLANT CAPACITY (lt)			65	65	
FUEL TANK CAPACITY (lt)			890	890	

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