



## 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
- 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





### BAUDOUIIN Series Diesel Generator Sets 220-385 kVA

MODEL				ABJ - 220	ABJ - 250	ABJ - 275	ABJ - 350	ABJ - 385
GROUP	GEN-SET POWER	STAND BY	kVA	220	250	275	350	385
			kW	176	200	220	280	308
		PRIME	kVA	200	227	250	318	350
			kW	160	182	200	255	280
	CANOPY DIMENSION (W x L x H) mm			1200x3800x2490	1200x3800x2490	1200x3800x2490	1400x3705x2645	1400x3705x2645
	CANOPY WEIGHT kg			2621	2722	2722	4291	4291
	OPEN DIMENSION (W x L x H) mm			1200x3100x2490	1200x3100x2490	1200x3100x2490	1400x3450x1885	1400x3450x1885
	OPEN WEIGHT			2303	2404	2404	3844	3844
ENGINE	BRAND			BAUDOUIIN	BAUDOUIIN	BAUDOUIIN	BAUDOUIIN	BAUDOUIIN
	TYPE			6M16G220/5	6M16G250/5	6M16G275/5	6M16G350/5^	6M21G385/5
	POWER	STAND BY	kW	204	238	264	320	385
		PRIME	kW	187	216	240	291 *	350
	SPEED (rpm)			1500	1500	1500	1500	1500
	CYCLE			4	4	4	4	4
	DISPLACEMENT (lt)			9.726	9.726	9.726	9.726	12.54
	NUMBER OF CYLINDERS			6 IN LINE				
	BORE x STROKE (mm x mm)			126 x 130	126 x 130	126 x 130	126 x 130	127 x 165
	COMPRESSION RATIO			17 : 1	17 : 1	17 : 1	17 : 1	16 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			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		43,1	50,9	56,9	82,1	82,1
		%75 PRIME POWER		32,4	38	42,2	60,7	60,7
%50 PRIME POWER		22,4	25,8	28,3	41	41		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			26	26	26	26	30	
TOTAL COOLANT CAPACITY (lt)			44	44	44	50	55	
FUEL TANK CAPACITY (lt)			360	360	360	880	880	

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

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