NPOWER
Power and automation technologies.

MOTEURS Baudouin
Series Diesel Generator Sets

150 kVA - 220 kVA

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emition Directive)

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Locakable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

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

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residental / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IBC 2015:EC8 2004

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

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MODEL				N BD XX 0150	N BD XX 0165	N BD XX 0220
GROUP	GEN-SET POWER	STAND BY	kVA	150	165	220
			kW	120	132	176
		PRIME	kVA	135	150	200
			kW	109	120	160
	CANOPY DIMENSION (W x L x H) mm			1050 x 3180 x 1870	1050 x 3180 x 1870	1150 x 3820 x 2460
	CANOPY WEIGHT kg			1520	1585	2140
	OPEN DIMENSION (W x L x H) mm			1050 x 2700 x 1690	1050 x 2700 x 1690	1150 x 3340 x 1860
	OPEN WEIGHT			1280	1340	1845
ENGINE	BRAND			BAUDOUIN	BAUDOUIN	BAUDOUIN
	TYPE			6M11G150/5e2	6M11G165/5e2	6M16G220/5e2
	POWER	STAND BY	kW	140	152	200
		PRIME	kW	128	138	182
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			6,75	6,75	9,726
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	6 CYLINDERS INLINE
	BORE x STROKE (mm x mm)			105 x 130	105 x 130	126 X 130
	COMPRESSION RATIO			18:1	18:1	17:1
	GOVERNOR TYPE			ELECTRONIC		
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED		TURBOCHARGED - INTERCOOLER
	COMBUSTION SYSTEM			DIRECT INJECTION		DIRECT
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		30,4	32,7	42,1
		%75 PRIME POWER		23,1	24,5	31,6
		%50 PRIME POWER		15,9	16,7	21,9
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			16	16	24
	TOTAL COOLANT CAPACITY (lt)			28	28	50
	FUEL TANK CAPACITY (lt)			280	280	380

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