NPOWER
Power and automation technologies.

MOTEURS Baudouin
Series Diesel Generator Sets

17 kVA - 33 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 0017	N BD XX 0022	N BD XX 0033
GROUP	GEN-SET POWER	STAND BY	kVA	17	22	33
			kW	14	18	26
		PRIME	kVA	15	20	30
			kW	12	16	24
	CANOPY DIMENSION (W x L x H) mm			900 x 2100 x 1310	900 x 2100 x 1310	1000 x 2450 x 1610
	CANOPY WEIGHT kg			560	605	905
	OPEN DIMENSION (W x L x H) mm			900 x 1750 x 1235	900*1750 x 1235	1000 x 2050 x 1390
	OPEN WEIGHT			440	485	710
ENGINE	BRAND			BAUDOUIN	BAUDOUIN	BAUDOUIN
	TYPE			4M05G17/5	4M06G22/5	4M06G33/5
	POWER	STAND BY	kW	19	25	33
		PRIME	kW	18	23	30
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			2,1	2,3	3,12
	NUMBER OF CYLNDERS			4 IN LINE	4 IN LINE	4 IN LINE
	BORE x STROKE (mm x mm)			89 x 90	89 x 92	105 x 120
	COMPRESSION RATIO			17,5:1	17,5:1	15,5:1
	GOVERNOR TYPE			MECHANIC / ELECTRONIC		
	INDUCTION			NATURAL		
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		5,2	6,1	8,1
		%75 PRIME POWER		3,9	4,5	6,4
		%50 PRIME POWER		2,8	3,2	4,7
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			8	9,5	7,25
	TOTAL COOLANT CAPACITY (lt)			9,8	11,7	15
	FUEL TANK CAPACITY (lt)			92	9	132

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Turkey
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