

## 72 kVA - 110 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 extension 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 Emission 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
- Lockable 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)
- Residential / 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, IEC 60335-1:2004



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

| MODEL  |                                        |                  |     | N BD XX 0072          | N BD XX 0088       | N BD XX 0110                               |
|--------|----------------------------------------|------------------|-----|-----------------------|--------------------|--------------------------------------------|
| GROUP  | GEN-SET POWER                          | STAND BY         | kVA | 72                    | 88                 | 110                                        |
|        |                                        |                  | kW  | 58                    | 70                 | 88                                         |
|        |                                        | PRIME            | kVA | 65                    | 80                 | 100                                        |
|        |                                        |                  | kW  | 52                    | 64                 | 80                                         |
|        | CANOPY DIMENSION (W x L x H) mm        |                  |     | 1000 x 2880 x 1610    | 1000 x 2880 x 1610 | 1050 x 3180 x 1870                         |
|        | CANOPY WEIGHT kg                       |                  |     | 1270                  | 1355               | 1380                                       |
|        | OPEN DIMENSION (W x L x H) mm          |                  |     | 1000 x 2400 x 1520    | 1000 x 2400 x 1520 | 1050 x 2700 x 1520                         |
|        | OPEN WEIGHT                            |                  |     | 1050                  | 1135               | 1160                                       |
| ENGINE | BRAND                                  |                  |     | BAUDOUIN              | BAUDOUIN           | BAUDOUIN                                   |
|        | TYPE                                   |                  |     | 4M11G70/5e2           | 4M11G90/5e2        | 4M11G110/5e2                               |
|        | POWER                                  | STAND BY         | kW  | 66                    | 81                 | 108                                        |
|        |                                        | PRIME            | kW  | 60                    | 74                 | 98                                         |
|        | SPEED (rpm)                            |                  |     | 1500                  | 1500               | 1500                                       |
|        | CYCLE                                  |                  |     | 4                     | 4                  | 4                                          |
|        | DISPLACEMENT (lt)                      |                  |     | 4,5                   | 4,5                | 4,5                                        |
|        | NUMBER OF CYLNDERS                     |                  |     | 4 IN LINE             | 4 IN LINE          | 4 IN LINE                                  |
|        | BORE x STROKE (mm x mm)                |                  |     | 105 x 130             | 105 x 130          | 105 x 130                                  |
|        | COMPRESSION RATIO                      |                  |     | 18:1                  | 18:1               | 18:1                                       |
|        | GOVERNOR TYPE                          |                  |     | MECHANIC / ELECTRONIC |                    | ELECTRONIC                                 |
|        | INDUCTION                              |                  |     | TURBOCHARGED          |                    | TURBOCHARGED -<br>AIR TO AIR CHARGE COOLED |
|        | COMBUSTION SYSTEM                      |                  |     | DIRECT INJECTION      |                    |                                            |
|        | COOLING SYSTEM                         |                  |     | WATER                 |                    |                                            |
|        | FUEL CONSUMPTION<br>lt / h             | %100 PRIME POWER |     | 14,5                  | 17,8               | 23,3                                       |
|        |                                        | %75 PRIME POWER  |     | 11                    | 13,3               | 17,4                                       |
|        |                                        | %50 PRIME POWER  |     | 7,7                   | 9,2                | 11,9                                       |
|        | TOTAL LUBRICATION SYSTEM CAPACITY (lt) |                  |     | 10                    | 10                 | 10                                         |
|        | TOTAL COOLANT CAPACITY (lt)            |                  |     | 15,30                 | 15,30              | 20,8                                       |
|        | FUEL TANK CAPACITY (lt)                |                  |     | 180                   | 180                | 280                                        |

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