

## 1385 kVA - 1656 kVA Medium Voltage Generator Series

### 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
- Medium Voltage Output Level 3,3 kV 6,3 kV 11 kV and 15 kV
- 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 ammeter
- 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 PR XX 1385 MVXX                            | N PR XX 1500 MVXX                       | N PR XX 1656 MVXX        |
|--------|----------------------------------------|------------------|-----|----------------------------------------------|-----------------------------------------|--------------------------|
| GROUP  | GEN-SET POWER                          | STAND BY         | kVA | 1385                                         | 1500                                    | 1656                     |
|        |                                        |                  | kW  | 1108                                         | 1200                                    | 1325                     |
|        |                                        | PRIME            | kVA | 1250                                         | 1350                                    | 1505                     |
|        |                                        |                  | kW  | 1000                                         | 1080                                    | 1204                     |
|        | OUTPUT VOLTAGE (VAC)                   |                  |     | 3300, 6300, 11000, 15000                     | 3300, 6300, 11000, 15000                | 3300, 6300, 11000, 15000 |
|        | CANOPY DIMENSION (W x L x H) mm        |                  |     | N/A                                          | N/A                                     | N/A                      |
|        | OPEN DIMENSION (W x L x H) mm          |                  |     | 2200 x 5350 x 2750                           | 2200 x 5350 x 2750                      | 2200 x 5350 x 2750       |
|        | OPEN WEIGHT / CANOPY WEIGHT kg         |                  |     | 8080 / N/A                                   | 8745 / N/A                              | 8745 / N/A               |
|        | CONTAINER DIMENSION (W x L x H) mm     |                  |     | N/A                                          | N/A                                     | N/A                      |
|        | CONTAINER WEIGHT kg                    |                  |     | N/A                                          | N/A                                     | N/A                      |
| ENGINE | BRAND                                  |                  |     | PERKINS                                      | PERKINS                                 | PERKINS                  |
|        | TYPE                                   |                  |     | 4012 - 46TWG2A                               | 4012 - 46TAG1A                          | 4012 - 46TAG2A           |
|        | POWER                                  | STAND BY         | kW  | 1166                                         | 1263                                    | 1395                     |
|        |                                        | PRIME            | kW  | 1055                                         | 1148                                    | 1267                     |
|        | SPEED (rpm)                            |                  |     | 1500                                         | 1500                                    | 1500                     |
|        | CYCLE                                  |                  |     | 4                                            | 4                                       | 4                        |
|        | DISPLACEMENT (lt)                      |                  |     | 45,842                                       | 45,842                                  | 45,842                   |
|        | NUMBER OF CYLNDERS                     |                  |     | 12 - 60° V                                   | 12 - 60° V                              | 12 - 60° V               |
|        | BORE x STROKE (mm x mm)                |                  |     | 160 x 190                                    | 160 x 190                               | 160 x 190                |
|        | COMPRESSION RATIO                      |                  |     | 13,6:1                                       | 13:1                                    | 13,6:1                   |
|        | GOVERNOR TYPE                          |                  |     | ELECTRONIC                                   |                                         |                          |
|        | INDUCTION                              |                  |     | TURBOCHARGED -<br>AIR TO WATER CHARGE COOLED | TURBOCHARGED - AIR TO AIR CHARGE COOLED |                          |
|        | COMBUSTION SYSTEM                      |                  |     | DIRECT INJECTION                             |                                         |                          |
|        | COOLING SYSTEM                         |                  |     | WATER                                        |                                         |                          |
|        | FUEL CONSUMPTION<br>lt / h             | %100 PRIME POWER |     | 258,00                                       | 281,00                                  | 301,00                   |
|        |                                        | %75 PRIME POWER  |     | 196,00                                       | 212,00                                  | 237,00                   |
|        |                                        | %50 PRIME POWER  |     | 143,00                                       | 154,00                                  | 162,00                   |
|        | TOTAL LUBRICATION SYSTEM CAPACITY (lt) |                  |     | 177                                          | 177                                     | 177                      |
|        | TOTAL COOLANT CAPACITY (lt)            |                  |     | 210                                          | 210                                     | 210                      |
|        | FUEL TANK CAPACITY (lt)                |                  |     | 2500                                         | 2500                                    | 2500                     |

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