

## GDG 7500TEC & GDG 8500TEC

## Diesel Generator

231/400V – 50Hz & 277/480V – 60Hz



### Features and Benefits

- Half Century Experience in Generator Manufacturing
- Gasoline Engines with Advanced Technology and Quality
- Alternators with Advanced Technology and Quality
- Easy to Carry
- High Quality and Reliable Technology
- Compact Design and Silent
- Suitable for Heavy-Duty
- Durable
- Wide Range of Affordable Spare Parts
- Low Noise Level
- Low Exhaust Emission
- Low Operating Cost
- Low Fuel Consumption
- Low Oil Consumption
- Light Weight
- Big Size Fuel Tank
- First Class Product Support
- Global Technical Service and Maintenance Support

### Generator General Information

| Generator Model    | Frequency Hz | Voltage V | Power Factor CosQ | Speed rpm | Diesel Engine   |            |            | Alternator      |            |             | Type of Operation | Generator Output |            |             |
|--------------------|--------------|-----------|-------------------|-----------|-----------------|------------|------------|-----------------|------------|-------------|-------------------|------------------|------------|-------------|
|                    |              |           |                   |           | Brand           | Model      | Series     | Brand           | Model      | Series      |                   | kVA              | kW         | A           |
| <b>GDG 7500TEC</b> | <b>50</b>    | 231/400   | 0,8               | 3000      | <b>GENPOWER</b> | <b>186</b> | <b>FAB</b> | <b>GENPOWER</b> | <b>GNP</b> | <b>105L</b> | Maximum           | <b>7,5</b>       | <b>6,0</b> | <b>10,8</b> |
|                    |              |           |                   |           |                 |            |            |                 |            |             | Rated             | <b>6,5</b>       | <b>5,2</b> | <b>9,4</b>  |
| <b>GDG 8500TEC</b> | <b>60</b>    | 277/480   |                   | 3600      |                 |            |            |                 |            |             | Maximum           | <b>8,2</b>       | <b>6,6</b> | <b>9,9</b>  |
|                    |              |           |                   |           |                 |            |            |                 |            |             | Rated             | <b>7,4</b>       | <b>5,9</b> | <b>8,9</b>  |

We also make productions; 220, 230, 240, 110/220, 115/230, 120/240, 220/380, 230/400, 240/415V and 50Hz or 60Hz

### Diesel Engine General Data

- Single Cylinder, with Injector and Fuel Pump
- Vertical Type
- 3000 rpm – 50Hz / 3600 rpm – 60Hz
- Air Cooled
- Direct Injection
- 4 Stroke
- Big Size and Silent Muffler
- Big Size Air Filter
- 12V Electric Start

### Alternator

- Synchron Alternator
- Three Phase 231/400V - 277/480V
- Self Excited
- Power Factor: Cos Q: 0,8 / 1,0
- H or F Insulation Class
- IP 23 Protection Class
- Frequency: 50 Hz / 60 Hz
- %100 Copper Winding (Rotor and Stator)
- With AVR
- %10-15 Total Harmonic (THD)

### Equipment and Features

- Sound Proof Canopy (70-75 dBA)
- Robotic Painting with Electrostatic Powder Paint
- Heavy Duty Type Wheels and Handle
- Big Size Fuel Tank
- Fuel Level Gauge
- Fuel Tank Cap, with Ventilation
- Grounding Terminal
- Low Oil Level Alarm and Protection

### Control Panel

- 2 pcs 16A Schuko with Cap
- 1 pcs 12V DC Output
- 1 pcs Digital Panel
- 1 pcs Circuit Breaker
- 1 pcs ATS Socket
- 1 pcs Oil Lamp
- 1 pcs Grounding Terminal

### Diesel Engine Technical Data

|                     |                 |             |  |
|---------------------|-----------------|-------------|--|
| Brand               | Genpower        |             |  |
| Model               | GDE 186FAB      |             |  |
| Speed               | rpm             | 3000 / 3600 |  |
| Displacement        | cm <sup>3</sup> | 418         |  |
| Number of Cylinders | 1               |             |  |
| Bore x Stroke       | mm              | 86 x 72     |  |

|                           |      |                    |
|---------------------------|------|--------------------|
| Cooling System            |      | Air Cooled         |
| Starting System           |      | 12V Electric Start |
| Running Time- %50 loading | Hour | 13                 |
| Fuel                      |      | Diesel             |
| Oil Capacity              | lt   | 1,65               |
| Fuel Tank Capacity        | lt   | 15                 |

### Dimensions

|        |                    |           |
|--------|--------------------|-----------|
| Width  | Net (with Box)- mm | 565 (575) |
| Length | Net (with Box)- mm | 900 (910) |

|        |                     |           |
|--------|---------------------|-----------|
| Height | Net (with Box)- mm  | 760 (770) |
| Weight | Net (with Box)- Kgr | 149 (155) |

**Important Note 1: Never use the generators in closed areas**

**Important Note 2: Wait 20 min for the generator to cool down before putting in fuel**

