

# GDD SERIES

DOOSAN Powered  
Diesel Generator

# GENPOWER®

GENERATOR

## GDD 635

| Engine Speed<br>rpm | Frequency<br>Hz | Type of Operations | Genset Power |     | Engine Power (Net) |     |
|---------------------|-----------------|--------------------|--------------|-----|--------------------|-----|
|                     |                 |                    | kVA          | kW  | kWm                | bbh |
| 1800                | 60              | Prime Power        | 575          | 460 | 497                | 676 |
|                     |                 | Standby Power      | 635          | 508 | 540                | 734 |

STANDARD SPECIFICATIONS

### Engine

- DOOSAN Heavy duty diesel engine
- Revolution: 1800 rpm
- Water cooled
- Tropical type radiator

### Alternator

- VDE 0530 & IEC 34-1 standardizations
- Synchron type brushless
- Automatic voltage regulation (AVR)
- Overload acceptance: 110% for 1 hour, 150% for 2 minutes
- Short circuit resistance: 300 for 10 seconds
- Insulation class: H
- Insulation resistance: 1800 VAC
- Voltage: 277/480 V three phase
- Voltage regulation:  $\pm 0,5\%$
- Protection class: IP23
- Power factor (cosq): 0,8
- Frequency: 60 Hz

### Manuel Control Panel

- Microprocessed Electronic Control Panel
- Relays
- Protection fuses
- Thermic magnetic circuit breaker (TMS) 3-pole
- Emergency stop button

### Automatic Control Panel

- Microprocessed AMF Electronic Control Panel
- Protection fuses
- Battery charger
- Power Transfer (For ATS)
- Emergency stop button

### Chassis

- Mounted on the steel base chassis
- Elastic vibration dampers between engine and chassis
- Chassis integrated fuel tank
- Dial type mechanical fuel indicator

### Canopy

- Easy lifting and moving
- Metal parts are coated with electrostatic polyester coated, powder painted
- Thermally insulated exhaust system
- Acoustic insulation with rot\*proof, moisture-repellent and non-flammable material (per DIN 4102 A2)



### ENGINE

|                               |                   |
|-------------------------------|-------------------|
| Make                          | Doosan            |
| Model                         | P180LE            |
| Number of Cylinder            | 10                |
| Cylinder arrangement          | V-Type            |
| Cycle                         | 4 stroke          |
| Aspiration                    | Turbocharged AAC* |
| Combustion system             | Direct injection  |
| Compression ratio             | 15:1              |
| Bore and Stroke               | mm 128 x 142      |
| Displacement                  | lt 18,273         |
| Cooling System                | Water Cooled      |
| Total coolant capacity        | lt 94             |
| Total lubrication             | lt 35             |
| Governor Type                 | Electronic        |
| Electric System               | 24 VDC            |
| Fuel Consumption %50 Loaded   | lt/h 63,3         |
| Fuel Consumption %75 Loaded   | lt/h 93,4         |
| Fuel Consumption % 100 Loaded | lt/h 128,7        |
| Fuel Tank Cap. Open (canopy)  | lt 1193 (527)     |

### DIMENSIONS

|                              |                |
|------------------------------|----------------|
| Width w/o Canopy (w/canopy)  | mm 1550 (1900) |
| Lenght w/o Canopy (w/canopy) | mm 3600 (5000) |
| Height w/o Canopy (w/canopy) | mm 2240 (2853) |
| Weight w/o Canopy (w/canopy) | kg 3710 (4800) |

TECHNICAL SPECIFICATIONS