

## GDD 775

| Engine Speed rpm | Frequency Hz | Type of Operation | Genset Power |     | Engine Power (Net) |     |
|------------------|--------------|-------------------|--------------|-----|--------------------|-----|
|                  |              |                   | kVA          | kW  | hp                 | kW  |
| 1500             | 50           | Prime Power       | -            | -   | 874                | 652 |
|                  |              | Stand-by Power    | 775          | 620 | -                  | -   |

STANDARD SPECIFICATIONS

#### Engine

- DAEWOO DOOSAN Heavy duty diesel engine
- Revolution: 1500
- 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: 50 Hz 230/400 V three phase
- Voltage regulation:  $\pm 0,5\%$
- Protection class: IP23
- Power factor (cosq) : 0,8
- Frequency: 50

#### 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                  | P222LE-II         |
| Number of Cylinder     | 12                |
| Cylinder Arrangement   | V Type            |
| Aspiration             | Turbo Intercooled |
| Cooling System         | Water Cooled      |
| Governor               | Electronic        |
| Displacement           | lt 21,927         |
| Cylinder Bore / Stroke | mm 128 X 142      |
| Compression Ratio      | 14:1              |
| Electric System        | 24VDC             |

|                               |      |       |
|-------------------------------|------|-------|
| Fuel Consumption %50 Loaded   | lt/h | 79,5  |
| Fuel Consumption %75 Loaded   | lt/h | 119,3 |
| Fuel Consumption %100 Loaded  | lt/h | 162,6 |
| Fuel Tank Capacity w/o Canopy | lt   | 1219  |
| w Canopy                      |      | (527) |

#### DIMENSIONS

|                              |    |             |
|------------------------------|----|-------------|
| Width w/o Canopy (w/canopy)  | mm | 1300 (1600) |
| Lenght w/o Canopy (w/canopy) | mm | 3100 (4350) |
| Height w/o Canopy (w/canopy) | mm | 1920 (2400) |
| Weight w/o Canopy (w/canopy) | kg | 2756 (3382) |

TECHNICAL SPECIFICATIONS