

## GNT 22

### STANDARD SPECIFICATIONS

#### Engine

- INTER Heavy duty diesel engine
- Revolution: 1500 rpm
- Water cooled
- Tropical type radiator

#### Alternator

- VDE 0530 & IEC 34-I 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 V AC
- Voltage: 231/400 AC three phase
- Voltage regulation:  $\pm 0.5\%$
- Protection class: IP23
- Frequency: 50 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

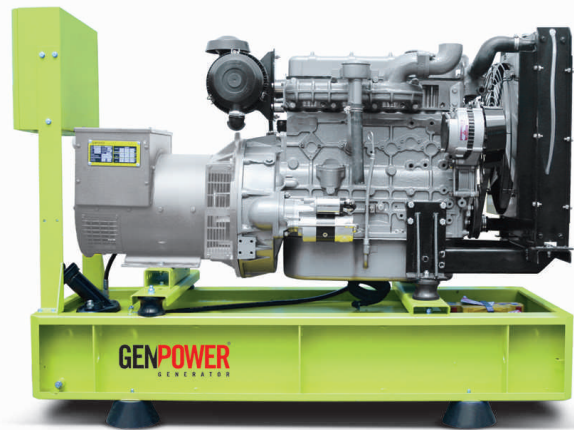
- Mounted on the steel base chassis
- Elastic vibration dampers between engine and chassis
- Chassis integrated fuel tank
- Dial type mechanical fuel indicator

#### 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)

#### Optional Properties (based on the requirement)

- Thermic magnetic circuit breaker for automatic models
- Protection canopy
- Sound proof canopy
- Trailer mounted genset
- Automation with PLC
- Automatic fuel filling system for external fuel tank (integrated with internal fuel tank)
- Panels for synchronising and parallel running
- Electronic fuel level indicator with low fuel alarm
- Power distribution panel
- Computer controlled, remote control and monitoring system
- Electronic governor for engines with mechanical governor
- Digital or analog indicators



#### GROUP

|                |          |            |
|----------------|----------|------------|
| Stand-by Power | kVA (kW) | 22 ( 17,6) |
| Prime Power    | kVA (kW) | 20 (16)    |
| Power Factor   | cos Q    | 0,8        |
| Frequency      | Hz       | 50         |

#### ENGINE

|                               |         |              |
|-------------------------------|---------|--------------|
| Make                          |         | INTER        |
| Model                         |         | IDE 422NG    |
| Rpm                           | rpm     | 1500         |
| Prime Power                   | kW (HP) | 19 (25,5)    |
| Stand-by Power                | kW (HP) | 21 (28)      |
| Number of Cylinder            |         | 4            |
| Cylinder Combination          |         | In-Line      |
| Air Inducation System         |         | Natural      |
| Cooling System                |         | Water Cooled |
| Governor Type                 |         | Mechanical   |
| Cylinder Displacement         | lt      | 2,2          |
| Cylinder Bore / Stroke        | mm      | 85/95        |
| Compression Ratio             |         | 18 : 1       |
| Electric System               |         | 12 VDC       |
| Fuel Consumption %50 Loaded   | lt/h    | 3            |
| Fuel Consumption %75 Loaded   | lt/h    | 4,2          |
| Fuel Consumption %100 Loaded  | lt/h    | 5,5          |
| Fuel Tank Capacity (w/canopy) | lt      | 86           |
| (w/o canopy)                  | lt      | 56           |

#### ALTERNATOR

|                       |          |                                                     |
|-----------------------|----------|-----------------------------------------------------|
| Type                  |          | Synchron, Brushless                                 |
| Overloaded            |          | For 1 hour %110 in 12 hours,<br>for 2 minutes % 150 |
| Insulation Resistance | 2U+1000V | Minimum 1800 Volt                                   |
| Short Circuit Current |          | For 10 seconds % 300                                |
| Isolation Class       |          | H                                                   |
| Voltage               |          | 231 / 400 V                                         |
| Tolerance Of Voltage  |          | $\pm \%0,5$                                         |

#### DIMENSIONS

|                              |    |             |
|------------------------------|----|-------------|
| Width w/o Canopy (w/canopy)  | mm | 650 (900)   |
| Lenght w/o Canopy (w/canopy) | mm | 1400 (2000) |
| Height w/o Canopy (w/canopy) | mm | 980 (1170)  |
| Weight w/o Canopy (w/canopy) | kg | 710 (830)   |

### TECHNICAL SPECIFICATIONS



ISO 9001:2008  
OHSAS 18001:2007  
ISO 14001:2004

