

## GNT 120

### 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

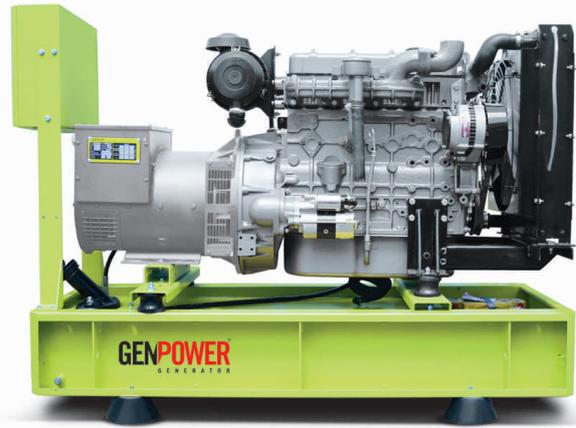
- Mounted on the steel base chassis
- Elastic vibration dampers between engine and chassis
- Chassis integrated fuel tank
- Dial type mechanical fuel indicator

### 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)	120 (96)
Prime Power	kVA (kW)	108 (86,4)
Power Factor	cos Q	0,8
Frequency	Hz	50

### ENGINE

Make		INTER
Model		IDE 455TGA
Rpm	rpm	1500
Prime Power	kW (HP)	95 (127)
Stand-by Power	kW (HP)	105 (140)
Number of Cylinder		4
Cylinder Combination		In-Line
Air Inducation System		T. Aftercooler
Cooling System		Water Cooled
Governor Type		Mechanical
Cylinder Displacement	lt	5,5
Cylinder Bore / Stroke	mm	112/135
Compression Ratio		17,5 : 1
Electric System		24 VDC
Fuel Consumption %50 Loaded	lt/h	12,6
Fuel Consumption %75 Loaded	lt/h	18,6
Fuel Consumption %100 Loaded	lt/h	24,2
Fuel Tank Capacity (w/canopy)	lt	358
(w/o canopy)	lt	264

### ALTERNATOR

Type		Synchron, Brushless
Overloaded		For 1 hour %110 in 12 hours, 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	900 (1100)
Lenght w/o Canopy (w/Canopy)	mm	2400 (2950)
Height w/o Canopy (w/canopy)	mm	1400 (1665)
Weight w/o Canopy (w/canopy)	kg	1686 (1924)