

# GNT SERIES

## INTER Powered Diesel Generator

# GENPOWER®

GENERATOR

## GNT 16

Engine Speed rpm	Frequency Hz	Type of Operations	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bbh
1800	60	Prime Power	14	11	15	19
		Standby Power	16	13	16	21

STANDARD SPECIFICATIONS

### Engine

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

### Alternator

- VDE 0530 & IEC 34-1 standardizations
- GENPOWER (GNP) Alternator
- 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: 1960 VAC
- Voltage: 120 / 208 V or 277 / 480 V three phase
- Voltage regulation:  $\pm 0,5\%$
- Protection class: IP23
- Power factor (cos $\phi$ ): 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	INTER
Model	IDE 314 NG
Number of Cylinder	3
Cylinder arrangement	In-line
Cycle	4 stroke
Aspiration	Naturally
Combustion system	Direct injection
Compression ratio	18:1
Bore and Stroke	mm 80 x 90
Displacement	lt 1.4
Cooling System	Water Cooled
Total coolant capacity	lt 8
Total lubrication	lt 5.5
Governor Type	Mechanic
Electric System	12 VDC
Fuel Consumption %50 Loaded	lt/h 2.5
Fuel Consumption %75 Loaded	lt/h 3.5
Fuel Consumption % 100 Loaded	lt/h 4.5
Fuel Tank Cap. Open (canopy)	lt 55 (86)

### DIMENSIONS

Width w/o Canopy (w/canopy)	mm 680 (960)
Lenght w/o Canopy (w/canopy)	mm 1400 (2000)
Height w/o Canopy (w/canopy)	mm 1250 (1340)
Weight w/o Canopy (w/canopy)	kg 460 (738)

TECHNICAL SPECIFICATIONS