

## GNT 120

Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	kW	hp
1500	50	Prime Power	108	86,4	95	127
		Stand-by Power	120	96	105	140

STANDARD SPECIFICATIONS

#### Engine

- INTER Heavy duty diesel engine
- Revolution: 1500 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: 230/400 V three phase
- Voltage regulation:  $\pm 0,5\%$
- Protection class: IP23
- Power factor (cos $\phi$ ) : 0,8
- 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)



#### ENGINE

Make	INTER
Model	IDE 455TG
Number of Cylinder	4
Cylinder Arrangement	Vertical In-Line
Combustion System	Aftercooler
Fuel Consumption	Direct Injection
Compression Ratio	17,5:1
Cylinder Bore/Stroke	mm 112 x 135
Displacement	lt 5,5
Cooling System	Water Cooled
Governor Type	Mechanic Governor
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)

#### DIMENSIONS

Width w (Canopy) w/o (Canopy)	mm	940 (1160)
Length w (Canopy) w/o (Canopy)	mm	2420 (1750)
Height w (Canopy) w/o (Canopy)	mm	1580 (2320)
Weight w (Canopy) w/o (Canopy)	kg	1245 (1790)

TECHNICAL SPECIFICATIONS