

GNT 22

Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	kW	hp
1500	50	Prime Power	20	16	19	25,5
		Stand-by Power	22	17,6	21	28

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 ϕ): 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 422NG
Number of Cylinder	4
Cylinder Arrangement	Vertical In-Line
Combustion System	Naturally
Fuel Consumption	Direct Injection
Compression Ratio	18:1
Cylinder Bore/Stroke	mm 85 x 95
Displacement	lt 2.2
Cooling System	Water Cooled
Governor Type	Mechanic Governor
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)

DIMENSIONS

Width w (Canopy) w/o (Canopy)	mm	680 (980)
Length w (Canopy) w/o (Canopy)	mm	1420 (2040)
Height w (Canopy) w/o (Canopy)	mm	1240 (1380)
Weight w (Canopy) w/o (Canopy)	kg	530 (810)

TECHNICAL SPECIFICATIONS