

GPR 23

Engine Speed rpm	Frequency Hz	Type of Operations	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bbh
1500	50	Prime Power	20	16	18	25
		Standby Power	23	18	20	27

Engine

- PERKINS 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	PERKINS
Model	404 D 22G
Number of Cylinder	4
Cylinder arrangement	Vertical In-line
Cycle	4 stroke
Aspiration	Naturally
Combustion system	Indirect injection
Compression ratio	23.3:1
Bore and Stroke	mm 84 x 100
Displacement	lt 2.216
Cooling System	Water Cooled
Total coolant capacity	lt 7.0
Total lubrication	lt 10.6
Governor Type	Mechanic
Electric System	12 VDC

Fuel Consumption %50 Loaded	lt/h 2.9
Fuel Consumption %75 Loaded	lt/h 4.0
Fuel Consumption % 100 Loaded	lt/h 5.4
Fuel Tank Cap. Open (canopy)	lt 58 (86)

DIMENSIONS

Width w/o Canopy (w/canopy)	mm 600 (900)
Lenght w/o Canopy (w/canopy)	mm 1400 (2000)
Height w/o Canopy (w/canopy)	mm 1400 (1400)
Weight w/o Canopy (w/canopy)	kg 536 (806)