

GPR 23

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bhp
1500	50	Prime Power	20	16,0	18,4	24,7
		Stand-by Power	23	18,4	20,3	27,2

STANDARD SPECIFICATIONS

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
Aspiration	Naturally
Combustion system	Direct 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 Governör
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
	lt	(86)

DIMENSIONS

Width w/o Canopy (w/canopy)	mm	600 (960)
Lenght w/o Canopy (w/canopy)	mm	1460 (2000)
Height w/o Canopy (w/canopy)	mm	1410 (1400)
Weight w/o Canopy (w/canopy)	kg	536 (806)

TECHNICAL SPECIFICATIONS



ISO 9001:2008
OHSAS 18001:2007
ISO 14001:2004



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* AAC: air-to-air charge cooling: Charged hot air by turbo is cooled by the air radiator in system.

** WAC: water-to-air cooling: Charged hot air by turbo is cooled by water in the cooling system.

Genpower, reserves the right to modify the characteristics of its product any time in order to incorporate the latest technological developments.

The information contained in this document may therefore be changed without notice. For more technical data and information please contact to GENPOWER