

GPR 1500

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bhp
1500	50	Prime Power	1364	1092	1149	1540
		Stand-by Power	1500	1200	1263	1694

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	4012-46TWG3A
Number of Cylinder	12
Cylinder arrangement	60°V
Aspiration	Turbocharged WAC**
Combustion system	Direct Injection
Compression ratio	13.6:1
Bore and Stroke	mm 160 x 190
Displacement	lt 45,842
Cooling System	Water Cooled
Total coolant capacity	lt 177
Total lubrication	lt 201
Governor Type	Electronic Governor
Electric System	24 VDC

Fuel Consumption %50 Loaded	lt/h	151
Fuel Consumption %75 Loaded	lt/h	213
Fuel Consumption % 100 Loaded	lt/h	278
Fuel Tank Cap. Open (canopy)	lt	2250

DIMENSIONS

Width w/o Canopy (w/canopy)	mm	2200 (2438)
Length w/o Canopy (w/canopy)	mm	4500 (9125)
Height w/o Canopy (w/canopy)	mm	2400 (3710)
Weight w/o Canopy (w/canopy)	kg	9697 (16221)

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