

## GPR 1000

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	bhp	kWm
1500	50	Stand-by Power	1000	802	1132	844
		Prime Power	911	728	1029	767

### 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 $\phi$ ): 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		PERKINS
Model		4008TAG1A
Rpm	rpm	1500
Number of Cylinder		8
Cylinder Arrangement		Vertical In-Line
Cycle		4 Stroke
Aspiration		Turbo AAC*
Cooling System		Water Cooled
Total Coolant Capacity	lt	149,0
Total Lubrication	lt	153,0
Governor		Electronic
Cylinder Displacement	lt	30,561
Cylinder Bore x Stroke	mm	160 x 190
Combustion System		Direct Injection
Compression Ratio		13.6 : 1
Electric System		24 VDC
Fuel Consumption %50 Loaded	lt/h	98
Fuel Consumption %75 Loaded	lt/h	143
Fuel Consumption %100 Loaded	lt/h	195
Fuel Tank Capacity (w/o Canopy)	lt	1500
(w Canopy)	lt	

#### DIMENSIONS

Width w/o Canopy (w/Canopy)	mm	2040 (2438)
Length w/o Canopy (w/Canopy)	mm	4470 (6058)
Height w/o Canopy (w/Canopy)	mm	2400 (3000)
Weight w/o Canopy (w/Canopy)	kg	7640 (11740)

### 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