

## GPR 229 & GPR 253

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bhp
1500	50	Prime Power	208	166	180	243
		Stand-by Power	229	183	199	267
1800	60	Prime Power	231	185	201	269
		Stand-by Power	253	202	220	296

STANDARD SPECIFICATIONS

#### Engine

- PERKINS Heavy duty diesel engine
- Revolution: 1500 / 1800 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: 50 Hz 230/400 V & 60 Hz 120/208 V three phase
- Voltage regulation:  $\pm 0,5\%$
- Protection class: IP23
- Power factor (cos $\phi$ ) : 0,8
- Frequency: 50 / 60 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	1306C-E87TAG3
Number of Cylinder	6
Cylinder arrangement	Vertical In-Line
Aspiration	Turbocharged AAC*
Combustion system	Direct Injection
Compression ratio	16,9:1
Bore and Stroke	mm 116.6 x 135.9
Displacement	lt 8,7
Cooling System	Water Cooled
Total coolant capacity	lt 37.2
Total lubrication	lt 26.4
Governor Type	Electronic Governor
Electric System	24 VDC

	50 Hz	60 Hz
Fuel Consumption %50 Loaded	lt/h 24	26
Fuel Consumption %75 Loaded	lt/h 35	38
Fuel Consumption % 100 Loaded	lt/h 45	51
Fuel Tank Cap. Open (canopy)	lt 379	
	lt (450)	

#### DIMENSIONS

Width w/o Canopy (w/canopy)	mm 1040 (1600)
Length w/o Canopy (w/canopy)	mm 2680 (4350)
Height w/o Canopy (w/canopy)	mm 1790 (2400)
Weight w/o Canopy (w/canopy)	kg 2137 (3037)

TECHNICAL SPECIFICATIONS



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



www.genpower.com.tr

\* 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