

## GPR 550 & GPR 563

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bhp
1500	50	Prime Power	500	400	435	583
		Stand-by Power	550	440	478	641
1800	60	Prime Power	500	400	435	583
		Stand-by Power	563	450	490	657

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: ± 0,5%
- Protection class: IP23
- Power factor (cosφ) : 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	2506A-E15TAG2
Number of Cylinder	6
Cylinder arrangement	Vertical In-Line
Aspiration	Turbocharged AAC*
Combustion system	Direct Injection
Compression ratio	16:1
Bore and Stroke	mm 137 x 171
Displacement	lt 15,2
Cooling System	Water Cooled
Total coolant capacity	lt 58
Total lubrication	lt 62
Governor Type	Electronic Governor
Electric System	24 VDC

	50 Hz	60 Hz
Fuel Consumption %50 Loaded	lt/h 53	53
Fuel Consumption %75 Loaded	lt/h 76	78
Fuel Consumption % 100 Loaded	lt/h 100	102
Fuel Tank Cap. Open (canopy)	lt 1082	
	lt (527)	

#### DIMENSIONS

Width w/o Canopy (w/canopy)	mm 1440 (1900)
Length w/o Canopy (w/canopy)	mm 3620 (5000)
Height w/o Canopy (w/canopy)	mm 2260 (3150)
Weight w/o Canopy (w/canopy)	kg 3765 (5200)

TECHNICAL SPECIFICATIONS