

GPR SERIES

PERKINS Powered
Diesel Generator

GENPOWER®

GENERATOR

GPR 12

Engine Speed rpm	Frequency Hz	Type of Operations	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bbh
1800	60	Prime Power	11	9	10	14
		Standby Power	12	10	11	15

STANDARD SPECIFICATIONS

Engine

- PERKINS Heavy duty diesel engine
- Revolution: 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: 277/480 V or 120/208 V three phase
- Voltage regulation: $\pm 0,5\%$
- Protection class: IP23
- Power factor (cos ϕ): 0,8
- Frequency: 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	403 D 11G
Number of Cylinder	3
Cylinder arrangement	Vertical In-line
Cycle	4 stroke
Aspiration	Naturally
Combustion system	Indirect injection
Compression ratio	23:1
Bore and Stroke	mm 77 x 81
Displacement	lt 1.131
Cooling System	Water Cooled
Total coolant capacity	lt 5.2
Total lubrication	lt 4.9
Governor Type	Mechanic
Electric System	12 VDC
Fuel Consumption %50 Loaded	lt/h 1.7
Fuel Consumption %75 Loaded	lt/h 2.3
Fuel Consumption % 100 Loaded	lt/h 3.0
Fuel Tank Cap. Open (canopy)	lt 58 (86)

DIMENSIONS

Width w/o Canopy (w/canopy)	mm 600 (900)
Lenght w/o Canopy (w/canopy)	mm 1400 (2000)
Height w/o Canopy (w/canopy)	mm 1400 (1400)
Weight w/o Canopy (w/canopy)	kg 405 (664)

TECHNICAL SPECIFICATIONS