

GPR SERIES

PERKINS Powered
Diesel Generator

GENPOWER®

GENERATOR

GPR 59

Engine Speed rpm	Frequency Hz	Type of Operations	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bbh
1800	60	Prime Power	53	42	49	66
		Standby Power	59	47	54	72

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	1103A-33TG1
Number of Cylinder	3
Cylinder arrangement	Vertical In-line
Cycle	4 stroke
Aspiration	Turbocharged
Combustion system	Direct injection
Compression ratio	17.25:1
Bore and Stroke	mm 105 x 127
Displacement	lt 3.3
Cooling System	Water Cooled
Total coolant capacity	lt 10.2
Total lubrication	lt 7.9
Governor Type	Mechanic
Electric System	12 VDC

Fuel Consumption %50 Loaded	lt/h 7.1
Fuel Consumption %75 Loaded	lt/h 9.9
Fuel Consumption % 100 Loaded	lt/h 12.9
Fuel Tank Cap. Open (canopy)	lt 55 (115)

DIMENSIONS

Width w/o Canopy (w/canopy)	mm 800 (1000)
Lenght w/o Canopy (w/canopy)	mm 1700 (2300)
Height w/o Canopy (w/canopy)	mm 1380 (1500)
Weight w/o Canopy (w/canopy)	kg 536 (1050)

TECHNICAL SPECIFICATIONS