

GPR SERIES

PERKINS Powered
Diesel Generator

GENPOWER®

GENERATOR

GPR 1656

Engine Speed rpm	Frequency Hz	Type of Operations	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bbh
1500	50	Prime Power	1550	1240	1267	1700
		Standby Power	1656	1325	1395	1870

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
- Voltage regulation: $\pm 0,5\%$
- Protection class: IP23
- Power factor (cos ϕ): 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	4012TAG2A
Number of Cylinder	12
Cylinder arrangement	60°V
Cycle	4 stroke
Aspiration	Turbocharged AAC*
Combustion system	Direct injection
Compression ratio	13.6:1
Bore and Stroke	mm 160 x 190
Displacement	lt 45,842
Cooling System	Water Cooled
Total coolant capacity	lt 177
Total lubrication	lt 235
Governor Type	Electronic
Electric System	24 VDC

Fuel Consumption %50 Loaded	lt/h 149
Fuel Consumption %75 Loaded	lt/h 226
Fuel Consumption % 100 Loaded	lt/h 296
Fuel Tank Cap.	lt 3000

DIMENSIONS

Width w/o Canopy (w/canopy)	mm 2300 (2438)
Lenght w/o Canopy (w/canopy)	mm 4650 (9125)
Height w/o Canopy (w/canopy)	mm 2400 (3710)
Weight w/o Canopy (w/canopy)	kg 10385 (16920)

TECHNICAL SPECIFICATIONS

* AAC (Air-to-Air-Cooling): Charged hot air by turbo is cooled by the air radiator in the 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 it's product at any time in order to incorporatie the latest technological developments.