

GPR 1385

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	bhp	kWm
1500	50	Stand-by Power	1385	1108	1694	1263
		Prime Power	1253	1002	1540	1149



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 three phase
- 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		4012-46TWG2A
Rpm	rpm	1500
Number of Cylinder		12
Cylinder Arrangement		60° V Type
Cycle		4 Stroke
Aspiration		Turbo AWC*
Cooling System		Water Cooled
Total Coolant Capacity	lt	201,0
Total Lubrication	lt	177,0
Governor		Electronic
Cylinder Displacement	lt	45,842
Cylinder Bore x Stroke	mm	160 x 190
Combustion System		Direct Injection
Compression Ratio		13,6 : 1
Electric System		24 VDC
Fuel Consumption %50 Loaded	lt/h	143
Fuel Consumption %75 Loaded	lt/h	196
Fuel Consumption %100 Loaded	lt/h	258
Fuel Tank Capacity (w/o Canopy)	lt	2250
(w Canopy)	lt	

DIMMENSIONS

Width w/o Canopy (w/Canopy)	mm	1900 (2438)
Length w/o Canopy (w/Canopy)	mm	4500 (9125)
Height w/o Canopy (w/Canopy)	mm	2450 (3300)
Weight w/o Canopy (w/Canopy)	kg	9340 (15864)

TECHNICAL SPECIFICATIONS