

GVP

SERIES
Diesel
VOLVO PENTA
Engine

GENPOWER[®]
GENERATOR

GVP 305

STANDARD SPECIFICATIONS

Engine

- VOLVO PENTA Heavy duty diesel engine
- Revolution: 1500 rpm
- Water cooled
- Tropical type radiator

Alternator

- VDE 0530 & IEC 34-I standardizations
- Synchron type brushless
- Automatic voltage regulation (AVR)
- Overload acceptance: 110% for 1 hour, 120% for 2 minutes
- Short circuit resistance: 300% for 10 seconds
- Insulation class: H
- Insulation resistance: 1800V AC
- Voltage: 231/400V AC three phase
- Voltage regulation : $\pm 0.5\%$
- Protection class: IP23
- Frequency: 50 Hz

Manuel Control Panel

- Microprocessed Electronic Control Panel (GPK 510)
 - Ammeter, AC
 - Voltmeter, AC
 - Frequencymeter
 - Speed tachometer (RPM)
 - Kilowatt meter
 - Cos ϕ meter
 - Battery Voltmeter, DC
 - Oil Pressure Gauge
 - Water Temperature Gauge
 - Service time totalizer meter
- Relays
- Protection fuses
- Thermic magnetic circuit breaker (TMS) 3-pole
- Emergency stop button

Automatic Control Panel

- Microprocessed Electronic Control Panel (GPK 500)
 - Ammeter, AC
 - Voltmeter, AC
 - Frequencymeter
 - Speed tachometer
 - Kilowatt meter
 - Cos ϕ meter
 - Battery Voltmeter, DC
 - Oil Pressure Gauge
 - Water Temperature Gauge
 - Service time totalizer meter
- Protection fuses
- Battery charger
- Power Transfer Contactors (For Mains & Genset, 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)

Optional Properties (based on the requirement)

- Thermic magnetic circuit breaker for automatic models
- Protection canopy
- Sound proof canopy
- Trailer mounted genset
- Automation with PLC
- Automatic fuel filling system for external fuel tank (integrated with internal fuel tank)
- Panels for synchronising and parallel running
- Electronic fuel level indicator with low fuel alarm
- Power distribution panel
- Computer controlled, remote control and monitoring system
- Electronic governor for engines with mechanical governor
- Digital or analog indicators



GROUP

Stand-by Power	kVA (kW)	300 (240)
Prime Power	kVA (kW)	280 (224)
Power Factor	cos Q	0,8
Frequency	Hz	50

ENGINE

Make	VOLVO PENTA	
Model	TAD 940GE	
Rpm	rpm	1500
Prime Power	kW (HP)	241 (328)
Stand-by Power	kW (HP)	265 (360)
Number of Cylinder	6	
Cylinder Combination	In-Line	
Air Induction System	Turbo IntercoolerCAC*	
Cooling System	Water Cooled	
Governor Type	Electronic	
Cylinder Displacement	lt	9,36
Cylinder Bore / Stroke	mm	120 / 138
Compression Ratio	20,2:1	
Electric System	24 VDC	
Fuel Consumption %50 Loaded	lt/h	29,3
Fuel Consumption %75 Loaded	lt/h	42,1
Fuel Consumption %100 Loaded	lt/h	57,3
Fuel Tank Capacity	lt	650

ALTERNATOR

Make	LEROY SOMER	
Model	LSA 46.2 L9	
Type	Synchron, Brushless	
Prime Power	kVA (kW)	280 (224)
Stand-by Power	kVA (kW)	300 (240)
Overloaded	For 1 hour %110 in 12 hours, for 2 minutes % 120	
Insulation Resistance	2U+1000V	
Short Circuit Current	Minimum 1800 Volt	
Isolation Class	For 10 seconds % 300	
Voltage	H	
Tolerance Of Voltage	231 / 400 V	
	$\pm \%0,5$	

DIMENSIONS

Width w/o Canopy (w/canopy)	mm	1500 (1500)
Lenght w/o Canopy (w/canopy)	mm	3100 (4200)
Height w/o Canopy (w/canopy)	mm	1960 (2580)
Weight w/o Canopy (w/canopy)	kg	2646 (3586)

TECHNICAL SPECIFICATIONS



ISO 9001:2000
OHSAS 18001:1999
EN 14001:2004



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*CAC : (Charged-Air-Cooling) : Charged hot air by turbo is cooled by the air radiator in the system

GENPOWER, reserves the right to modify the characteristics of it's product at any time in order to incorporate the latest technological developments. The information contained in this document may therefore be changed without notice. For more technical data and information, please contact to GENPOWER.