

GVP SERIES

VOLVO PENTA Powered
Diesel Generator

GENPOWER®

GENERATOR

GVP 645

Engine Speed rpm	Frequency Hz	Type of Operations	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bbh
1800	60	Prime Power	575	460	485	660
		Standby Power	645	516	546	743

STANDARD SPECIFICATIONS

Engine

- VOLVO PENTA 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 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	Volvo Penta
Model	TAD 1641 GE
Number of Cylinder	6
Cylinder arrangement	In-line
Cycle	4 stroke
Aspiration	Turbocharged AAC*
Combustion system	Direct injection
Compression ratio	16,5:1
Bore and Stroke	mm 144 x 165
Displacement	lt 16.12
Cooling System	Water Cooled
Total coolant capacity	lt 60
Total lubrication	lt 48
Governor Type	Electronic
Electric System	24 VDC

Fuel Consumption %50 Loaded	lt/h	58,5
Fuel Consumption %75 Loaded	lt/h	87,0
Fuel Consumption % 100 Loaded	lt/h	118,2
Fuel Tank Cap. Open (canopy)	lt	1041 (527)

DIMENSIONS

Width w/o Canopy (w/canopy)	mm	1500 (1900)
Lenght w/o Canopy (w/canopy)	mm	3500 (5000)
Height w/o Canopy (w/canopy)	mm	2180 (3150)
Weight w/o Canopy (w/canopy)	kg	3842 (5100)

TECHNICAL SPECIFICATIONS