

## GVP 145

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power	
			kVA	kW	kWm	bbh
1500	50	Prime Power	130	104	112	153
		Stand-by Power	145	116	125	170

STANDARD SPECIFICATIONS

### Engine

- VOLVO PENTA 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 $\phi$ ): 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	Volvo Penta
Model	TAD 532 GE
Number of Cylinder	4
Cylinder arrangement	In-line
Cycle	4 stroke
Aspiration	Turbocharged AAC*
Combustion system	Direct injection
Compression ratio	17,5:1
Bore and Stroke	mm 108 x 130
Displacement	lt 4.76
Cooling System	Water Cooled
Total coolant capacity	lt 21
Total lubrication	lt 11
Governor Type	Electronic governed
Electric System	12 VDC

Fuel Consumption %50 Loaded	lt/h	14,1
Fuel Consumption %75 Loaded	lt/h	20.9
Fuel Consumption % 100 Loaded	lt/h	28.4
Fuel Tank Cap. Open (canopy)	lt	256 (315)

### DIMENSIONS

Width w/o Canopy (w/canopy)	mm	1000 (1250)
Lenght w/o Canopy (w/canopy)	mm	2440 (3800)
Height w/o Canopy (w/canopy)	mm	1610 (2540)
Weight w/o Canopy (w/canopy)	kg	1504 (2182)

TECHNICAL SPECIFICATIONS