

## GVP 455 & GVP 501

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	hp	kW
1500	50	Prime Power	412	329	481,0	354,0
		Stand-by Power	455	364	529,0	389,0
1800	60	Prime Power	456	365	533	392
		Stand-by Power	501	401	586	431

STANDARD SPECIFICATIONS

#### Engine

- VOLVO PENTA Heavy duty diesel engine
- Revolution: 1500 / 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: 50 Hz 230/400 V & 60 Hz 120/208 V three phase
- Voltage regulation: ± 0,5%
- Protection class: IP23
- Power factor (cosφ) : 0,8
- Frequency: 50 / 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	TAD1344
Number of Cylinder	6
Cylinder Arrangement	Vertical In-Line
Aspiration	Turbo Intercooler CAC*
Compression Ratio	18,1 : 1
Cylinder Bore x Stroke	(mm) 131 x 158
Displacement	(lt) 12,78
Cooling System	Water Cooled
Governor Type	Electronic
Electric System	24 VDC

	50 HZ	60 HZ
Fuel Consumption %50 Loaded	(lt/h) 41,9	43,0
Fuel Consumption %75 Loaded	(lt/h) 61,9	62,7
Fuel Consumption %100 Loaded	(lt/h) 81,3	83,6
Fuel Tank Capacity w/o (Canopy)	(lt) 681	
w (Canopy)	410	

#### DIMENSIONS

Width w/o Canopy (w/canopy)	(mm) 1260 (1600)
Length w/o Canopy (w/canopy)	(mm) 3120 (4600)
Height w/o Canopy (w/canopy)	(mm) 2040 (2600)
Weight w/o Canopy (w/canopy)	(kg) 3270 (4220)

TECHNICAL SPECIFICATIONS