

GVP 305 & GVP 314

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	hp	kW
1500	50	Prime Power	277	222	329,0	242,0
		Stand-by Power	305	244	363,0	267,0
1800	60	Prime Power	285	228	339	249
		Stand-by Power	314	251	375	276

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	TAD940	
Number of Cylinder	6	
Cylinder Arrangement	Vertical In-Line	
Aspiration	Turbo Intercooler CAC*	
Compression Ratio	20,2 : 1	
Cylinder Bore x Stroke	(mm)	120 x 138
Displacement	(lt)	9,36
Cooling System	Water Cooled	
Governor Type	Electronic	
Electric System	24 VDC	

	50 HZ	60 HZ
Fuel Consumption %50 Loaded	(lt/h) 29,5	30,9
Fuel Consumption %75 Loaded	(lt/h) 42,3	43,3
Fuel Consumption %100 Loaded	(lt/h) 57,6	53,4
Fuel Tank Capacity w/o (Canopy)	(lt) 681	
w (Canopy)	410	

DIMENSIONS

Width w/o Canopy (w/canopy)	(mm)	1500 (1600)
Length w/o Canopy (w/canopy)	(mm)	3090 (4600)
Height w/o Canopy (w/canopy)	(mm)	1880 (2600)
Weight w/o Canopy (w/canopy)	(kg)	2680 (3590)

TECHNICAL SPECIFICATIONS