

GVP 559 & GVP 642

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	hp	kW
1500	50	Prime Power	505	404	585,0	430,0
		Stand-by Power	559	447	643,0	473,0
1800	60	Prime Power	570	456	660	485
		Stand-by Power	642	513	743	546

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	TAD1641
Number of Cylinder	6
Cylinder Arrangement	Vertical In-Line
Aspiration	Turbo Intercooler CAC*
Compression Ratio	16,5 : 1
Cylinder Bore x Stroke	(mm) 144 x 165
Displacement	(lt) 16,12
Cooling System	Water Cooled
Governor Type	Electronic
Electric System	24 VDC

	50 HZ	60 HZ
Fuel Consumption %50 Loaded	(lt/h) 50,6	58,5
Fuel Consumption %75 Loaded	(lt/h) 74,8	87,0
Fuel Consumption %100 Loaded	(lt/h) 101,3	118,2
Fuel Tank Capacity w/o (Canopy)	(lt) 1053	
w (Canopy)	527	

DIMENSIONS

Width w/o Canopy (w/canopy)	(mm) 1500 (1900)
Length 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



ISO 9001:2008
OHSAS 18001:2007
ISO 14001:2004



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* AAC=CAC:air-to air charge cooling. Charged hot air by turbo is cooled by the air radiator in system. Genpower, reserves the right to modify the characteristics of its product 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