

genpower®
generator

models

GVP 305
GVP 358
GVP 412
GVP 450
GVP 506
GVP 559
GVP 630



GVP Series

With Volvo Penta Engine
1500 rpm, 50 Hz

STANDART PROPERTIES

ENGINE:

- * VOLVO PENTA diesel engine
- * Revolution : 1500 rpm
- * Water cooled
- * Tropical type radiator

ALTERNATOR

- * LEROY SOMER alternator
- * Synchronic
- * Brushless type
- * Overload acceptance: 110% for 1 hour, 150% for 2 minutes
- * Short circuit resistance 300% for 10 seconds
- * Automatic voltage regulator (AVR)
- * Insulation class: H
- * Protection class: IP23
- * Insulation resistance: 1800 V
- * Voltage: 231/400 V
- * Frequency: 50 Hz
- * Voltage regulation tolerance: $\pm 1\%$

CHASSIS

- * Mounted on the steel chassis
- * Vibration dampers between engine and chassis
- * Fuel tank is located in the chassis
- * Dial type fuel indicator

QUALITY CERTIFICATES



TS EN ISO 9001:2000
Quality Management System
Certificate no:
12 100 19511 TMS



Certificate of Conformity
to Turkish Standard
TS-ISO-8528-4
equivalent to:
(EN 300182-1V 1.3.6)

CANOPY

- * Designed for easy lifting and moving
- * Metal parts are coated with electrostatic powder paint
- * Exhaust silencer is protected against environmental effects
- * Thermally insulated exhaust system
- * Acoustic insulation with rot-proof, moisture-repellent impregnation and non-flammable material (per DIN 4102 A2)

MANUEL CONTROL PANEL

- * WOODWARD electronic equipments
- * Ammeter (3 units)
- * Voltmeter (1 unit)
- * Voltage commutator
- * Engine coolant temperature indicator
- * Engine oil pressure indicator
- * Counter for working hour
- * Relays
- * Warning lamps and fuses
- * 3 poles switch with thermic magnetic protection
- * Engine protection unit
- * Emergency stop button

AUTOMATIC CONTROL PANEL

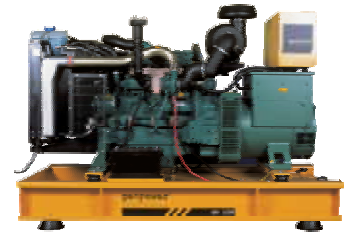
- * WOODWARD electronic equipments
- * Ammeter (3 units)
- * Voltmeter (1 unit)
- * Voltage commutator
- * Engine coolant temperature indicator
- * Engine oil pressure indicator
- * Counter for working hour
- * Relays
- * Warning lamps and fuses
- * Emergency stop button
- * Contactors
(2 units, with appropriate amper)
- * Automatic transfer unit
- * Battery charger
- * By-pass switch

With Volvo Penta Engine
1500 rpm, 50 Hz



OPTIONAL PROPERTIES

- * Thermic magnetic switch for automatic models
- * Protection canopy
- * Sound proof canopy
- * Mounting on trailer
- * Automation with PLC
- * Automatic fuel filling system
- * Electronic fuel level indicator with low fuel alarm
- * Power distribution panel
- * Remote control unit for computerized control
- * Panels for synchronising and parallel running
- * Electronic governor for engines with mechanical governor



TECHNICAL SPECIFICATIONS

MODELS, 1500 rpm, 50 Hz		GVP 305	GVP 358	GVP 412	GVP 450	GVP 506	GVP 559	GVP 630
POWER OUTPUT								
Stand-by	kVA(kW)	305(244)	358(286)	412(329)	450(360)	506(405)	559(447)	630(504)
Prime	kVA(kW)	277(222)	326(260)	375(300)	409(327)	462(369)	509(407)	570(456)
ENGINE								
Brand		VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA
Model		TAD 940GE	TAD 941GE	TAD 1241GE	TAD 1242GE	TAD 1640GE	TAD 1641GE	TAD 1642GE
Stand-by Power	kW(hp)	265(355)	308(413)	354(481)	387(526)	432(588)	473(643)	536(729)
Prime Power	kW(hp)	240(322)	279(374)	323(439)	352(479)	393(534)	430(585)	485(660)
No of Cylinders		6	6	6	6	6	6	6
Air Intake System		Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*
Governor		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Cooling Type		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Fuel Consumption 1/2 Load	lt/hour	29,1	34,1	37,8	41,2	46,6	50,8	57,3
Fuel Consumption Full Load	lt/hour	56,7	66,3	75,2	82	89,6	100	114,1
Fuel Tank Capacity	lt	664	664	664	664	918	918	918
ALTERNATOR								
Brand		LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER	LEROY SOMER
Model		LSA 46.2 VL12	LSA 47.2 VS2	LSA 47.2 S4	LSA 47.2 S4	LSA 47.2 M7	LSA 47.2 M8	LSA 47.2 L9
Stand-by Power	kVA(kW)	341(273)	420(336)	450(360)	450(360)	570(456)	600(480)	660(528)
Prime Power	kVA(kW)	315(252)	365(292)	410(328)	410(328)	500(400)	550(440)	600(480)
DIMENSIONS AND WEIGHT								
Width w/o canopy (w/canopy)	mm	1500 (1500)	1500 (1500)	1500 (1500)	1500 (1500)	1500 (1500)	1500 (1500)	1500 (1500)
Length w/o canopy (w/canopy)	mm	3100 (4200)	3100 (4200)	3100 (4200)	3100 (4200)	3500 (4600)	3500 (4600)	3500 (4600)
Height w/o canopy (w/canopy)	mm	1950 (2350)	1950 (2350)	1950 (2350)	1950 (2350)	2100 (2700)	2100 (2700)	2100 (2700)
Weight w/o canopy (w/canopy)	kg	2240 (3230)	2350 (3354)	2800 (3850)	2820 (3870)	3080 (4220)	3220 (4360)	3260 (4400)

Turbo AAC*: Turbo Charged, air to air after cooled.

GENPOWER reserves the right to modify the characteristics of its products at 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

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