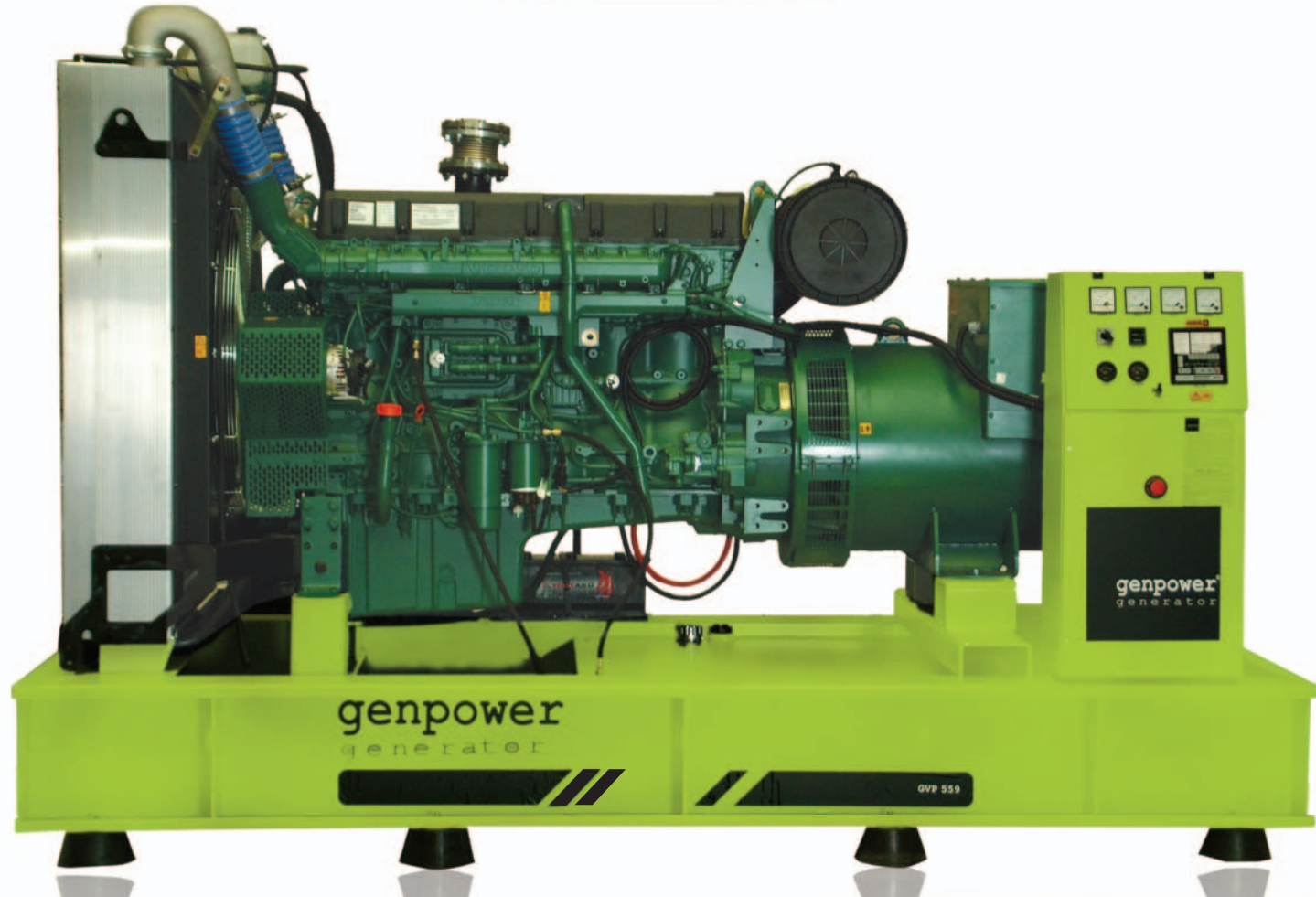




GENERATOR



www.genpower.com.tr

GVP
Series
VOLVO PENTA
Engine
DIESEL

genpower[®]
generator

2.5 kVA | 94 kVA | 630 kVA | 2264 kVA

GVP Standart 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:** 1800V AC
- > **Voltage:** 231/400 V AC
- > **Voltage regulation:** ± 1%
- > **Protection class:** IP23
- > **Frequency:** 50 Hz

Manuel Control Panel

- > Electronic control panel
- > Ammeter
- > Voltmeter
- > Voltage commutator
- > Engine coolant temperature indicator
- > Engine oil pressure indicator
- > Counter for time totalizer
- > Relays
- > Warning lamps and fuses
- > Thermic magnetic switch with 3 pole
- > Emergency stop button

Chassis

- > Mounted on the steel base chassis
- > Elastic vibration dampers between engine and chassis
- > Fuel tank is located in the chassis
- > Dial type mechanical fuel indicator



Automatic Control Panel

- > Electronic control panel
- > Ammeter
- > Voltmeter
- > Voltage commutator
- > Engine coolant temperature indicator
- > Engine oil pressure indicator
- > Counter for time totalizer
- > Relays
- > Warning lamps and fuses
- > Contactors (2 units, with appropriate amper)
- > Battery charger
- > Emergency stop button

Canopy

- > Designed for easy lifting and moving
- > Metal parts are coated with electrostatic poliester powder painted
- > Thermally insulated exhaust system
- > Acoustic insulation with rot-proof, moisture-repellent impregnation and non-flammable material (per DIN 4102 A2)



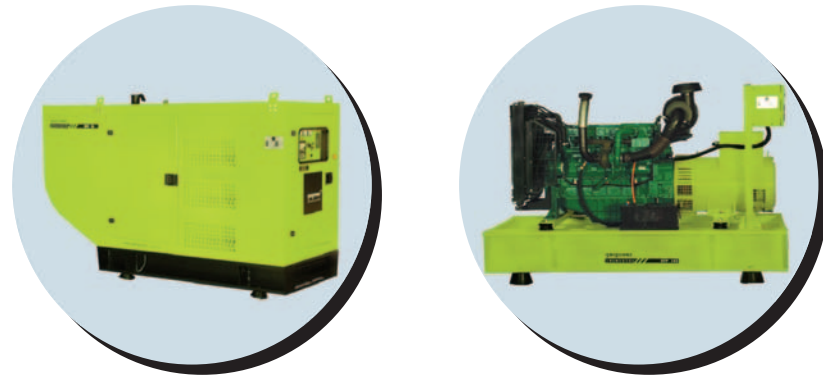
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Optional Properties (based on the requirement) :

- > Thermic magnetic circuit breaker for automatic models
- > Protection canopy
- > Sound proof canopy
- > Trailer mounted genset
- > Automation with PLC
- > Automatic fuel filling system (for models with internal fuel tank)
- > By-pass switch and manual engine protection unit (for only automatic models)
- > Panels for synchronising and parallel running
- > Electronic fuel level indicator with low fuel alarm
- > Power distribution panel
- > Computer controlled, remote control and monitoring system
- > Electronic governor for engines with mechanical governor

Models:

GVP 94	GVP 205
GVP 109	GVP 226
GVP 142	
GVP 167	



Technical Specifications:

Models 1500 rpm - 50 Hz	GVP 94	GVP 109	GVP 142	GVP 167	GVP 205	GVP 226	—
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Group Output

Stand-by	kVA(kW)	94(75)	109(87)	142(114)	167(133)	205(165)	226(181)	—
Prime	kVA(kW)	85(68)	100(80)	130(104)	152(121)	186(149)	205(165)	

Engine

Brand	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	—
Models	TD 520GE	TAD 520GE	TD 720GE	TAD 720GE	TAD 721GE	TAD 722GE	—
Stand-by Power	kW(hp)	82,5(112,6)	97,8(133,3)	125,5(170,6)	149,2(202,8)	179(243)	197(268)
Prime Power	kW(hp)	75(102)	89,8(122,1)	114,5(155,7)	136,2(185,2)	162(220)	179(243)
No of Cylinders		4	4	6	6	6	6
Air Induction System		Turbo Charged	Turbo AAC*	Turbo Charged	Turbo AAC*	Turbo AAC*	Turbo AAC*
Governor		Mechanical	Mechanical	Mechanical	Mechanical	Electronic	Electronic
Cooling Type		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Fuel Consumption at 1/2 Load (lt/hr)		9,4	11,1	14,2	16,3	19,7	21,5
Fuel Consumption at Full Load (lt/hr)		18,7	21,7	28,4	31,5	38,9	43,1
Fuel Tank Capacity (lt)		258	258	501	501	501	501

Alternator Voltage Regulation: ±%I

Dimensions and Weight

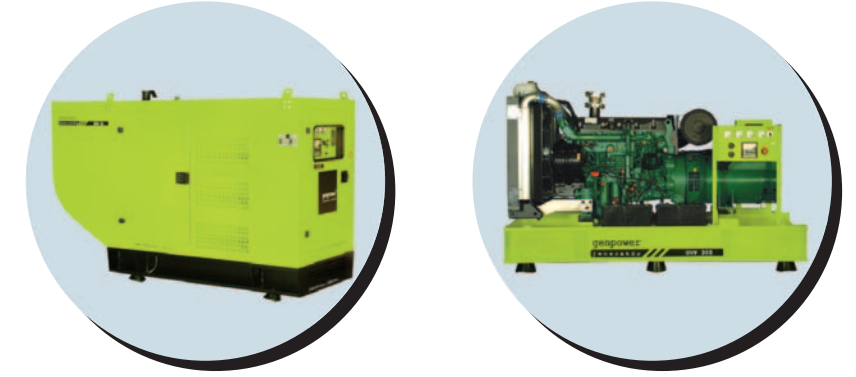
Width w/o canopy (w/canopy)mm	1100(1100)	1100(1100)	1200(1200)	1200(1200)	1200(1200)	1200(1200)	—
Length w/o canopy (w/canopy)mm	2100(2800)	2100(2800)	2800(3800)	2800(3800)	2800(3800)	2800(3800)	—
Height w/o canopy (w/canopy)mm	1450(1800)	1600(1800)	1600(2150)	1700(2150)	1900(2150)	1900(2150)	—
Weight w/o canopy (w/canopy)kg	1200(1635)	1265(1915)	1500(2080)	1600(2190)	1750(2520)	1750(2520)	—

Optional Properties (based on the requirement) :

- > Thermic magnetic circuit breaker for automatic models
- > Protection canopy
- > Sound proof canopy
- > Trailer mounted genset
- > Automation with PLC
- > Automatic fuel filling system (for models with internal fuel tank)
- > By-pass switch and manual engine protection unit (for only automatic models)
- > Panels for synchronising and parallel running
- > Electronic fuel level indicator with low fuel alarm
- > Power distribution panel
- > Computer controlled, remote control and monitoring system
- > Electronic governor for engines with mechanical governor

Models:

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



Technical Specifications:

Models 1500 rpm - 50 Hz	GVP 305	GVP 358	GVP 412	GVP 450	GVP 506	GVP 559	GVP 630
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Group Output

Stand-by	kVA(kW)	305(224)	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
Models	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)
Prime Power	kW(hp)	240(322)	279(374)	323(439)	352(479)	393(534)	430(585)
No of Cylinders		6	6	6	6	6	6
Air Induction System		Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*	Turbo AAC*
Governor		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Cooling Type		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Fuel Consumption at 1/2 Load (lt/hr)		29,1	34,1	37,8	41,2	46,6	50,8
Fuel Consumption at Full Load (lt/hr)		56,7	66,3	75,2	82	89,6	100
Fuel Tank Capacity (lt)		664	664	664	664	918	918

Alternator Voltage Regulation: ±%I

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)