

KZV-G500 DIESEL GENERATOR SET / 50Hz

**VOLVO
PENTA**



Emergency Standby Power (ESP)

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Prime Power

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3)

OUTPUT RATINGS

50 Hz / 400V

Standby Power	500 kVA
	400 KW
Prime Power	455 kVA
	364 KW

ENGINE (ESP -STAND-BY)

Manufacturer	VOLVO
Origin	SWEDEN
Model	TAD1345GE
No of Cylinder / Configuration	6 / IN LINE
Displacement (lt)	12,78
Bore / Stroke (mm)	131 / 158
Cycle	4
Compression Ratio	18.1: 1
Aspiration	Turbocharged
Governor Type	Electromecanic
Cooling System	Water
Coolant Capacity (lt)	60
Lubrication Oil Capacity (lt)	48
Injection	Direct
Speed / Frequency	1500 / 50 Hz
Engine Gross Power (kWm)	392
Fuel Consumption (lt)	100% 91,8



Sound Proof Canopy

Special design for minimizing acoustic level
Galvanised steel construction further protected by polyester powdercoat paint
Black finish stainless steel locks and hinges
Control panel viewing window in a lockable access door
Emergency stop push button (red) mounted on enclosure exterior
Lifting, drag and jacking points on base frame
Radiato fill via removable, flush mounted rain cap fitted with compression seal
Acoustic insulation with moisture-repellent and non-flammable material

ALTERNATOR

Manufacturer	GENTECH
Origin	TURKEY
Model	GNT 500
No of Phase	3
Power Factor	cos 0,8
Number of Bearing	SINGLE
No of Poles	4
No of Leads	12
Voltage Regulation (SteadyState)	± %1
Insulation Class	H
Degree of Protection	IP 21/23
Excitation System	AVR, Brushless
Connection Type	STAR
Total Harmonic Content (No Load)	< %2
Frequency (Hz)	50
Voltage Output (VAC)	230 / 400
Efficiency (%)	%93

Dimentions	WxLxH	Weight	Fuel Tank	Noise
	mm	kg	lt	db(A)
CANOPIED	1400x4810x2390	4640	1000	
OPEN SET	1370x3500x2180	3640	1000	

CONTROL UNIT

STANDART: Datakom309

OPTIONAL: Deepsea



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