

KZV-G700 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	700 kVA
	556 KW
Prime Power	630 kVA
	504 KW

ENGINE (ESP -STAND-BY)

Manufacturer	VOLVO
Origin	SWEDEN
Model	TWD1643GE
No of Cylinder / Configuration	6 / IN LINE
Displacement (lt)	16,12
Bore / Stroke (mm)	144 / 165
Cycle	4
Compression Ratio	18.1: 1
Aspiration	Turbo Aftercooler
Governor Type	Electromecanic
Cooling System	Water
Coolant Capacity (lt)	95
Lubrication Oil Capacity (lt)	48
Injection	Direct
Speed / Frequency	1500 / 50 Hz
Engine Gross Power (kWm)	536
Fuel Consumption (lt)	100% 126,2



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	TR
Model	GNT 700
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

Dimensions	WxLxH	Weight	Fuel Tank	Noise
	mm	kg	lt	db(A)
CANOPIED	1700x4820x2600	5516	1400	
OPEN SET	1670x3500x2235	4439	1400	

CONTROL UNIT

STANDART: Datakom309

OPTIONAL: Deepsea



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