

## KZV-6G438 DIESEL GENERATOR SET / 60Hz

# VOLVO PENTA



### Emergency Standby Power (ESP)

These ratings are applicable for supplying continuous electrical power (at variable load). There is 200 operation hours/year limitation 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). No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3)

### OUTPUT RATINGS

60 Hz / 480V

Standby Power	438 kVA
	350 KW
Prime Power	401 kVA
	320 KW

### ENGINE (ESP -STAND-BY)

Manufacturer	VOLVO
Origin	SWEDEN
Model	TAD1342GE
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	Electronic
Cooling System	Water
Coolant Capacity (lt)	44
Lubrication Oil Capacity (lt)	36
Injection	Direct
Speed / Frequency	1800 / 60 Hz
Engine Gross Power (kWm)	345
	100% 201
Fuel Consumption (g/kWh)	50% 207

### ALTERNATOR

Manufacturer	GENTECH
Origin	TURKEY
Model	GNT-450
No of Phase	3
Power Factor	cos 0,8
Number of Bearing	SINGLE
No of Poles	4
No of Leads	12
Voltage Regulation (SteadyState)	± %0,5
Insulation Class	H
Degree of Protection	IP 21/23
Excitation System	AVR, Brushless
Connection Type	STAR
Total Harmonic Content (No Load)	< %2
Frequency (Hz)	60
Voltage Output (VAC)	220 / 480
Efficiency (PF 0,8 / %75 Load)	%94,5



### 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

Dimensions	WxLxH	Weight	Fuel Tank	Noise
	mm	kg	lt	db(A)
CANOPIED	1285x4450x2120	3720	850	
OPEN SET	1260x3200x1920	3010	850	

### CONTROL UNIT

STANDART: Datakom D300

OPTIONAL: Datakom D500

