

KZV-G110 DIESEL GENERATOR SET / 50Hz




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

50 Hz / 400V

Standby Power	110 kVA
	88 KW
Prime Power	100 kVA
	80 KW

ENGINE (ESP -STAND-BY)

Manufacturer	VOLVO
Origin	SWEDEN
Model	TAD531GE
No of Cylinder / Configuration	4 / IN LINE
Displacement (lt)	4,76
Bore / Stroke (mm)	108 / 130
Cycle	4
Compression Ratio	18:1
Aspiration	Turbocharged
Governor Type	Electronic
Cooling System	Water
Coolant Capacity (lt)	19,7
Lubrication Oil Capacity (lt)	13
Injection	Direct
Speed / Frequency	1500 / 50 Hz
Engine Gross Power (kWm)	88
Fuel Consumption (lt)	100% 19,5
	50% 9,8

ALTERNATOR

Manufacturer	GENTECH
Origin	TURKEY
Model	GNT 110
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)	50
Voltage Output (VAC)	230 / 400
Efficiency (PF 0,8 / %75 Load)	%92



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	1100x3000x1800	2050	240	
OPEN SET	1100x2200x1700	1550	240	

CONTROL UNIT

STANDART: Datakom D300

OPTIONAL: Datakom D500



KZ POWER reserves the right to amend details and specifications without notice.
Images for illustration purposes only. Generating set may include optional accessories.



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