



KZR-T90 DIESEL GENERATOR SET / 50Hz

OUTPUT RATINGS		50Hz / 400V	
STAND BY POWER	kVA	90	
	kW	72	
PRIME POWER	kVA	81	
	kW	64	

ENGINE (ESP -STAND-BY)		
Manufacturer	RICARDO	
Origin	CHINA	
Model	R4105IZLD	
No of Cylinder / Configuration	4 / IN LINE	
Displacement (lt)	4.5	
Bore / Stroke (mm)	105 / 130	
Cycle	4	
Compression Ratio	16.00: 1	
Aspiration	Turbo charged	
Governor Type	ELECTRONIC	
Cooling System	WATER	
Coolant Capacity (lt)	18	
Lubrication Oil Capacity (lt)	13	
Injection	Direct	
Speed / Frequency	1500 / 50Hz	
Engine Gross Power (kWm)	66	
Fuel Consumption (gr/kWxh)	%100	231



Emergency Standby Power (ESP)

Output available with varying load for the duration of an emergency outage. Average power output is 70% of the emergency standby power rating. Typical operation is 50 hours per year with maximum expected usage of 200 hours per year.

Prime Power

Prime power is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%.



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ALTERNATOR

Manufacturer	GENTECH
Origin	TURKEY
No of Phase	3
Power Factor	cos ϕ 0,8
Number of Bearing	SINGLE
No of Poles	4
No of Leads	12
Voltage Regulation (Steady State)	\pm %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 (%)	%93.8



Chassis - Mounted on the steel base chassis - Fuel tank is located in the chassis - Mechanical fuel indicator - Rubber brackets that prevent vibration

Sound-proof canopy - Special design for minimizing acoustic level - Special type muffler and heat insulation -Acoustic insulation with rot-proof,moisture-repellent and non-flammable material

DIMENSIONS	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB(A)
CANOPIED	950x2450x1650	1600	150	TBA
OPEN SET	950x1900x1500	1350	150	TBA

CONTROL UNIT

STANDART: DATAKOM DKG 309



OPTION : Deepsea



KZ POWER reserves the right to amend details and specifications without notice.