

KZP-S450 DIESEL GENERATOR SET / 50Hz



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	450 kVA
	360 kW
Prime Power	400 kVA
	320 kW

ENGINE (ESP -STAND-BY)

Manufacturer	PERKINS
Origin	UK
Model	2206A(C)13TAG3
No of Cylinder / Configuration	6 / IN LINE
Displacement (lt)	13
Bore / Stroke (mm)	137 / 157
Cycle	4
Compression Ratio	16.3 :1
Aspiration	Turbo Aftercooler
Governor Type	Electronic
Cooling System	Water
Coolant Capacity (lt)	51,4
Lubrication Oil Capacity (lt)	40
Injection	Direct
Speed / Frequency	1500 / 50 Hz
Engine Gross Power (kWm)	350
Fuel Consumption (lt/h)	100% 81
	50% 42

ALTERNATOR

Manufacturer	STAMFORD
Origin	UK
Model	HC444F
No of Phase	3
Power Factor	cos 0,8
Number of Bearing	SINGLE
No of Poles	4
No of Leads	12
Voltage Regulation (Steady State)	± %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 (%)	%93,3

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	1400x4810x2465	4150	1000	
OPEN SET	1370x3500x2090	2885	1000	

CONTROL UNIT

STANDART: Datakom309

OPTIONAL: Deepsea



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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