



Zahrat Ajman Co.

P450 - P500(S)

Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage*1	Frequency*2	P 450*3	P 500S*4
230/400 V	50 Hz	450 KVA	500 KVA
277/480v	60Hz	515 KVA	570 KVA

The above ratings represent the generating set capability guaranteed within $\pm 3\%$ at the reference conditions equivalent to those specified in ISO 8528/1

Gensets Medium Range

Technical

Engine model	Perkins 2506A-E15TAG1	
Cylinders	6 - vertical in-line	
Aspiration	Turbocharged & A/A charge cooled	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	15.2 liters	
Oil consumption	0.1 % of fuel consumption	
Lube oil capacity	62 liters	
Coolant capacity	58 liters	
Governor	Electronic	
Speed	1500 rpm	1800 rpm
Fuel Consumption @ 100% Load	95 L/H	102 L/H
Fuel Consumption @ 75% Load	72 L/H	78 L/H
Fuel Consumption @ 50% Load	50 L/H	53 L/H
Radiator Cooling Air Flow	722 m3/min	866 m3/min
Max exhaust gas flow	81 m3/min	105.3 m3/min
Emissions regulations	For unregulated territories	

Dimensions

Length	3750 mm
Width	1120 mm
Height	2150 mm
Weight	3660 Kg

The above performance data are valid as per the following specs:

- Diesel Fuel is according to BS2869 Class A2 or equivalent.
- Lubricating oil is according to API CI4 (15W/40).
- The coolant should be 50% antifreeze and 50% distilled water.

Alternator model	Leroy Somer LSA 47.2 M7	
Regulation	$\pm 0.5 \%$	
International protection	IP23	
Insulation class	H	
Terminals	12	
Frequency	50 Hz	60 Hz
Coolant Air flow	0.9 m3/s	1.1 m3/s



Image shown may not reflect actual package

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