



**POWERED BY:** Perkins Diesel Power LEROY SOMER

### GENERATING SET MODEL (YP500)

Output Ratings	Prime	Standby
230-400V, 3ph, 50Hz, 1500 rpm	500 KVA	550 KVA
	400 KW	440 KW
480V, 3phm 60Hz, 1800 rpm	500 KVA	563 KVA
	400 KW	450 KW

Applicable Voltages: 220/127 V at 60 Hz only (Consult your dealer for more details) Ratings at 0.8 Power Factor

### ENGINE / TECHNICAL DATA

Engine Make	Perkins	
Engine Model	2506C-E15TAG2	
Governing Class	ISO 8528-5 G3	
Number of Cylinders	6	
Cylinder Arrangement	Vertical line	
Bore and Stroke mm	137 x 171	
Displacement / Cubic Capacity liters	15.2	
Induction System	Turbocharged and air to air charge cooled	
Cycle	4 stroke	
Combustion System	Direct Injection	
Compression Ratio	16.1	
Rotation	Anti-clockwise (viewed on flywheel)	
Cooling System	Water – cooled	
Frequency and Engine Speed	50Hz & 1500rpm	60Hz & 1800rpm
	Prime Standby	Prime Standby
Gross Engine Power kW (hp)	451 (605) 495 (664)	458 (615) 514 (689)

### FUEL SYSTEM

Fuel Consumption l/hr(US gal/hr)	Engine Speed	1500 rpm	1800 rpm
	Standby	104 (27.5)	116 (30.6)
	Prime Power	95 (25.1)	102 (26.9)
	75% of Prime Power	72 (19.0)	78 (20.6)
	50% of Prime Power	50 (13.2)	52 (13.7)
Fuel Tank Open /Close	950 L / 950 L		

### DIMENSIONS AND WEIGHT

Generator Type	Length mm	Width mm	Height mm	Weight kg
Open Type	3750	1120	2150	3660
Close Type	5070	1600	2335	5140

### GEN-SET CANOPY SPECIFICATIONS (OPTIONAL)

Canopy Type	Acoustic / Weatherproof
Anticorrosive Protection	Heat treated Galvanized Metal sheets
Access Doors	4
Drainage	Fuel & Water drainage
Noise Level	66 dbA @ 7 meter
Cable Access	Cable Inlet and Outlet
Emergency Stop	External Emergency Puch Button

### ALTERNATOR DATA

Make	Leroy Somer - TAL
Model	LSA-TAL047C
No. of Bearings	1
Insulation Class	H
Total Harmonic Content	On load <2%
Wires	12
Ingress Protection	IP23
Excitation System	Shunt
Winding Pitch	2/3 (n° 6)
AVR Model	R250
Overspeed	2250 mn-1
Voltage Regulation (steady)	± 0.5%

AREP & PMG Excitation System Available as Optional.

### CONTROL PANEL



Make	Deep Sea
Model	DSE6110

Disclaimer : Younus Power Services have made efforts to ensure that the information in this data sheet is accurate but reserve the right to amend specifications and information without notice and without obligation or liability.