

GENERATING SET MODEL (YP100)

Output Ratings	Prime	Standby
230-400V, 3ph, 50Hz, 1500 rpm	100 KVA	110 KVA
	80 KW	88 KW
480V, 3phm 60Hz, 1800 rpm	113 KVA	125 KVA
	90.4 KW	100 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	1104A-44TG2	
Governing Class	Electronic	
Number of Cylinders	4	
Cylinder Arrangement	Vertical line	
Bore and Stroke mm	105 x 127	
Displacement / Cubic Capacity liters	4.41	
Induction System	Turbocharged, air to air	
Cycle	4 stroke	
Combustion System	Direct Injection	
Compression Ratio	18.2:1	
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)	93.6(125.5) 103 (138)	106.8(143.2)117.5(157.5)

FUEL SYSTEM

Fuel Consumption l/hr(US gal/hr)	Engine Speed	1500 rpm	1800 rpm
	Standby	24.9 (6.58)	29.7 (7.85)
	Prime Power	22.6 (5.97)	26.9 (7.11)
	75% of Prime Power	17.1 (4.52)	20.2 (5.34)
	50% of Prime Power	11.2 (2.96)	14.1 (3.73)
Fuel Tank Open /Close	225 L/ 240 L		

DIMENSIONS AND WEIGHT

Generator Type	Length mm	Width mm	Height mm	Weight kg
Open Type	2050	770	1260	1200
Close Type	2670	1080	1620	1715

GEN-SET CANOPY SPECIFICATIONS (OPTIONAL)

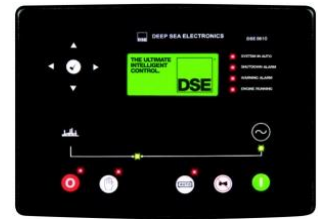
Canopy Type	Acoustic / Weatherproof
Anticorrosive Protection	Heat treated Galvanized Metal sheets
Access Doors	4
Drainage	Fuel & Water drainage
Noise Level	66 dbA @ 7 meter
Cable Access	Cable Inlet and Outlet
Emergency Stop	External Emergency Puch Button

ALTERNATOR DATA

Make	Leroy Somer - TAL
Model	LSA-TAL044D
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.