

STANDARD SPECIFICATIONS

1. Engine
Kubota four stroke heavy duty high performance industrial type diesel engine

2. ENGINE FILTRATION SYSTEM

- * Cartridge type dry air filters
- * Cartridge type fuel filters
- * Full flow Lube oil filters

4. EXHAUST SYSTEM

Silencer noise reduction	20 (dBA)
Max Allowable back pressure	10.2 (kPa)

CONTROL PANEL

Make	Deep Sea
Model	DSE4510

DSE4510 is an Auto Start Control Module for single genset applications. It includes an LCD display which clearly shows the status of the engine all time. This module can either be programed using the front panel configuration suits PC software metering and alarm indications.

- * Generator frequency
- * Under speed, Over speed
- * Generator voltage
- * Generator current
- * Engine oil pressure
- * Engine coolant temprature
- * Fuel level (warning or shut down)
- * Hours run counter
- * Battery voltage
- * Fail to start stop
- * Emergency stop
- * Failed to reach loading voltage/ frequency
- * Charge fail
- * Loss of magnetic pick-up signal
- * Low DC voltage
- * CAN diagnostics and CAN fail/ error

ENGINE AND TOWER / TECHNICAL DATA

Engine Make	Kubota Japan			
Engine Model	Z4B2			
Type	4-cycle Diesel engine			
Number of Cylinders	2			
Cylinder Arrangement	Vertical			
Bore and Stroke	67.0 x 68.0			
Displacement (L)	0.479			
Aspiration	Naturally Aspirated			
Fuel System	In-line Pump			
Combustion System	Indirect injection			
Rotation (Viewed from flywheel side)	Counter clockwise			
Cooling System	water cooled			
Frequency And Engine Speed	50HZ 1500RPM	60HZ 1800RPM		
	Prime kW (HP)	Standby kW (HP)	Prime kW (HP)	Standby kW (HP)
Net continuous Power KW (hp)	3.4 (4.6)	3.6 (4.8)	4.1 (5.5)	4.4(5.9)
Fuel Consumption	Kg/kW-hr			
@50% Load L/hr	0.46	-	0.53	-
@75% Load L/hr	0.68	-	0.80	-
@100% Load L/hr	0.91	-	1.07	-
Fuel Tank Capacity : Liters	114	114	114	114
Fuel Tank Capacity : hrs	197.23	-	167.65	-
Telscopic Tower	Galvanized			
Hand Winch	3000 lb with two directional break			

TOWER	
Tower Rotation	359°
Tower Lighting	4x350W LED Flood lights
Tower Rising Method	Manual
Max Tower Hight m	7.7
Spider Legs	3 Jack stands and one Jack wheel

DIMENSIONS

Tires	Width	Height	Length
14 inches	1150mm	2520mm	1600mm-2500mm

Output Rating	Prime	Standby
380-415 V, 3ph, 50Hz, 1500 rpm KVA	5	5.5
380-415 V, 3ph , 60Hz, 1800 rpm KVA	6	6.6



ALTERNATOR DATA

Make	LINZ , Italy	
Model	ALUMEN MD	
Rated power at 50Hz	KVA	5
Rated power at 60Hz	KVA	6
No. Of Bearings	single bearing	
Insulation Class	H	
Regulation Type	capacitor	
Max Over Speed	rpm	2250
Voltage Regulation	±5%	
Execution	brushless	
Control System	self excited	
Overload	110% of rated power	
Air Flow Requiremnt	m ³ /min	3.1 @50Hz 3.6 @60Hz
Standard	EN60034-1 ISO8528-3 EN55011	