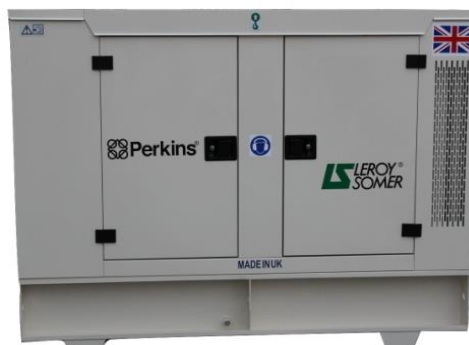


# YPS Generators



## 45 KVA



### GENERATING SET MODEL (YP45)

Output Ratings	Prime	Standby
230-400V, 3ph, 50Hz, 1500 rpm	45 KVA	50 KVA
	36 KW	40 KW
480V, 3phm 60Hz, 1800 rpm	50 KVA	56.3KVA
	40 KW	45 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	1103A-33TG1		
Governing Class	ISO 8528-G2		
Number of Cylinders	3		
Cylinder Arrangement	Vertical line		
Bore and Stroke mm	105 x 127		
Displacement / Cubic Capacity liters	3.3		
Induction System	Turbocharged		
Cycle	4 stroke		
Combustion System	Direct Injection		
Compression Ratio	17.25:1		
Rotation	Anti-clockwise (viewed from flywheel)		
Cooling System	Water - cooled		
Frequency and Engine Speed	50Hz & 1500rpm	60Hz & 1800rpm	
	Prime Standby	Prime	Standby
Gross Engine Power kW (hp)	42.2 (56.6)	46.5	50.5(67.7)
	(62.4)		55.6(74.6)

### FUEL SYSTEM

Fuel Consumption l/hr(US gal/hr)	Engine Speed	1500 rpm	1800 rpm
	Standby	12.0 (3.17)	14.3 (3.78)
	Prime Power	10.7 (2.83)	12.9 (3.41)
	75% of Prime Power	8.20 (2.7)	9.90 (2.62)
	50% of Prime Power	5.70 (1.51)	7.10 (1.88)
Fuel Tank Open /Close		180 L / 167 L	

### DIMENSIONS AND WEIGHT

Generator Type	Length mm	Width mm	Height mm	Weight kg
Open Type	1700	770	1250	810
Close Type	2050	960	1595	1250

### 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-TAL042F
No. of Bearings	1
Insulation Class	H
Total Harmonic Content	at no load <3% - on load <2%
Wires	12
Ingress Protection	IP23
Excitation System	Shunt
Winding Pitch	2/3 (wdg 6)
AVR Model	R220
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.