

YPS Generators

20 KVA



GENERATING SET MODEL (YP20)

Output Ratings	Prime	Standby
230-400V, 3ph, 50Hz, 1500 rpm	20 KVA	22 KVA
	16 KW	17.6 KW
480V, 3phm 60Hz, 1800 rpm	22.5 KVA	25 KVA
	18 KW	20 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	404A-22G1		
Governing Class	ISO 8528		
Number of Cylinders	4		
Cylinder Arrangement	Vertical in line		
Bore and Stroke mm	84 x 100		
Displacement / Cubic Capacity liters	2.216		
Induction System	Naturally Aspirated		
Cycle	4 stroke		
Combustion System	Indirect Injection		
Compression Ratio	23.3:1		
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)	18.7 (25.1)	20.6	22 (29.5) 24.3 (32.6)

FUEL SYSTEM

Fuel Consumption l/hr(US gal/hr)	Engine Speed	1500 rpm	1800 rpm
	Standby	6.2	7.3
	Prime Power	5.4	6.4
	75% of Prime Power	4.0	4.8
	50% of Prime Power	2.9	3.5

Fuel Tank Open /Close 180 L / 167 L

DIMENSIONS AND WEIGHT

Generator Type	Length mm	Width mm	Height mm	Weight kg
Open Type	1500	610	1000	495
Close Type	1900	900	1450	845

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-TAL040D
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 M)
AVR Model	R220
Overspeed	2250 mn-1
Voltage Regulation (steady)	± 2%

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.