# YPS *Generators*

# 9 KVA



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



## GENERATING SET MODEL (YP9)

| Output Ratings | Prime | Standby |
|---|---|---|
| 230-400V, 3ph, 50Hz, 1500 rpm | **9 KVA** | **10 KVA** |
| | **7 KW** | **8 KW** |
| 480V, 3phm 60Hz, 1800 rpm | **11.2 KVA** | **9.0 KVA** |
| | **12.4 KW** | **9.9 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 | 403A-11G |
| Governing Class | ISO 8528-G2 |
| Number of Cylinders | 3 |
| Cylinder Arrangement | Vertical in line |
| Bore and Stroke mm | 77 X 81 |
| Displacement / Cubic Capacity liters | 1.131 |
| Induction System | Naturally Aspirated |
| Cycle | 4 stroke |
| Combustion System | Indirect Injection |
| Compression Ratio | 23:1 |
| Rotation | Anti-clockwise (viewed from flywheel) |
| Cooling System | Water - cooled |
| Frequency and Engine Speed | 50Hz & 1500rpm / 60Hz &1800rpm |

## FUEL SYSTEM

| Fuel Consumption l/hr(US gal/hr) | Engine Speed | 1500 rpm |
|---|---|---|
| | Standby | 3.6 L |
| | Prime Power | 3.0 L |
| | 75% of Prime Power | 2.3 L |
| | 50% of Prime Power | 1.7 L |
| Fuel Tank Open /Close | | 97 L / 114 L |

## DIMENSIONS AND WEIGHT

| Generator Type | Length mm | Width mm | Height mm | Weight kg |
|---|---|---|---|---|
| Open Type | 1500 | 610 | 990 | 300 |
| Close Type | 1790 | 800 | 1280 | 625 |

## 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-TAL040C |
| 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) | ± 1% |

AREP & PMG Excitation System Available as Optional.

## CONTROL PANEL



| Make | Deep Sea |
|---|---|
| Model | DSE6110 |