# **PL880**

SOMER



Ratings @ 0.8 P		50 Hz 1500 RPM		
VOLTAGE	PRIME RATING	STANDBY RATING		
400/3 Ph	800 KVA	880 KVA		

### NOTES

#### Prime Power

Unlimited hours usage with an average load factor of 75% of the published Prime power over each 24 hours period.

A 10% overload is available for 1 hour in every 12 hour operation.

#### **Standby Power**

Limited to 500 hours annual usage.

Available in 60HZ for all voltage ratings

#### Standard Reference Conditions

Note: Standard reference conditions 40°C (104°F) Air inlet temp, 100m (328 ft.) A.S.L. 30% relative humidity.

### Standards Compliance



	Dime		
	Open Type	Silent	Super Silent
Length:	4230mm	6050mm	6050mm
Width:	1600mm	2440mm	2440mm
Height:	2200mm	2440mm	2440mm
Weight:	6644kg	9250kg	14000kg

Technical Data

### **Diesel Generating Set**

GENSET Make / Model	PERKINS 4006-23TAG3A
Alternator Make / Model	Leroy Somer TAL 049C
Control Panel	DSE 7320
Base Frame / Canopy	Robust Structure / Corrosion Resistant
Circuit Breaker Type	3-Pole MCCB (4-Pole Available as option)
Built-In Fuel Tank Capacity (Silent)	N/A
Battery	2x 150 A

Gensets

Large Range

**B**Perkins

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### **Engine Specifications**

Make & Model	PERKINS 4006-23TAG3A
Cylinder & Arrangement	6; Vertical in-line
Cycle	4 stroke
Induction System / Aspiration	Turbocharged
Cooling System	Water cooled
Governing	Electronic
Governing Class	G2 - ISO 8528 Part 1
Compression Ratio	13.6:1
Displacement	22.921
Bore & Stroke	145 x 183 mm
Dynamic Charging Alternator	55 AMP, 28 V

## **Lubrication System**

Oil Filter Type	Spin-On Full Flow
Total Oil Capacity	113.4 L
Oil Type	API CI-4

# **Cooling System**

Total Coolant Capacity	142.0 L	
Cooling Fan Air Flow	14.5 m3/s	
Max Water Temperature	98°C	

## Air System

Dry Element
3.7kPA

UAE

#### Cooling System Design 50°C

Heat Radiation to Room

o 79.0 kW

# **Exhaust System**

Muffler Type	Industrial Grade		
Max Back Pressure	6.0 kPA		
Exhaust Gas Flow	209.0 m3 / min		
Exhaust Gas Temperature	≤500° C		



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# **PL880**

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	<b>*</b> 1944 <b>*</b>	Engine Fue	el System	Alternator	Specifications
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	Measurements	Vac, A, Hz, KVA,KW, Vdc	Canopy RAL Color	RAL 9002 - Pov	wder Coated
Event Log         Alarms Log, Hrs Log         Base Frame RAL Color         RAL 9005 - Powder Coated	Event Log	Alarms Log, Hrs Log	Base Frame RAL Color	RAL 9005 - Pov	vder Coated
Communication     USB     Noise Pressure Level db(A) @ 1m @ 75% Load     71     65	Communication	USB		71	65

### SACCAL TOOL BOX

### Standard for every GenSet

- Heat Resistant Gloves
- Notebook
- Pen
- Tape Measure
- Baseball Cap
- Operation Manual
- Wiring Diagrams
- Sound Test (Upon Request)

### Why Saccal Generators ?

Saccal Industries is one of the leading diesel generator OEM firms in the **MENA** Region.

With an impressive factory that spreads over an area of 30 thousand square meters in Bekaa & ISO certification, SACCAL has always been the leading name in the manufacturing and assembly of premium quality generating sets.

From planning and design, construction and production, to local and international sales, Saccal has more than 80 Years of experience.

### Choose Right - Choose Saccal



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