

Ratings @ 0.8 PF

50 Hz 1500 RPM

VOLTAGE	PRIME RATING	STANDBY RATING
400/3 Ph	30 KVA	33 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



#### Dimensions

	Open Type	Silent	Super Silent
Length:	1400mm	2280mm	3520mm
Width:	750mm	940mm	1070mm
Height:	1250mm	1280mm	1560mm
Weight:	600kg	1075kg	1400kg





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## Technical Data

## **Diesel Generating Set**

GENSET Make / Model	PERKINS 1103A-33G
Alternator Make / Model	Leroy Somer TAL 042C
Control Panel	DSE 4520
Base Frame / Canopy	Robust Structure / Corrosion Resistant
Circuit Breaker Type	3-Pole MCCB (4-Pole Available as option)
Built-In Fuel Tank Capacity (Silent)	100 L
Battery	70 A

# **Engine Specifications**

Make & Model	PERKINS 1103A-33G
Cylinder & Arrangement	3; Vertical in-line
Cycle	4 stroke
Induction System / Aspiration	Naturally Aspirated
Cooling System	Water cooled
Governing	Mechanical
Governing Class	G2 - ISO 8528 Part 1
Compression Ratio	19.25:1
Displacement	3.3
Bore & Stroke	105 x 127 mm
Dynamic Charging Alternator	65 AMP, 12 V

# **Lubrication System**

Oil Filter Type	Spin-On Full Flow
Total Oil Capacity	8.3 L
Oil Type	API CI-4

# **Cooling System**

Total Coolant Capacity	10.2 L
Cooling Fan Air Flow	0.88 m3/s
Max Water Temperature	110°C

## **Air System**

Air Filter Type	Dry Element
Max Air Filter Intake Restriction	3kPA

Cooling System Design 50°C

**Heat Radiation to** 6.0 kW **Room** 

## **Exhaust System**

Muffler Type	Industrial Grade
Max Back Pressure	8.0 kPa
Exhaust Gas Flow	5.8 m3 / min
Exhaust Gas Temperature	≤520° C



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## Gensets Small Range

# **Serkins**



# **Engine Fuel System**

Recommended Fuel	Class A2 Diesel
Fuel Consumption Standby	7.9 L/hr
Fuel Consumption @100% PRP	7.1 L/hr
Fuel Consumption @75% PRP	5.4 L/hr
Fuel Consumption @50% PRP	3.9 L/hr

# **Alternator Specifications**

Alternator Make / Model	Leroy Somer TAL 042C
AVR Model	R120
Number of Poles	
Number of Winding Leads	6
Type of Bearing	Single Bearing
Excitation System	Self Excited
Ingress Protection Rating	IP23
Cooling Airflow	0.10 m3 / Sec
Voltage Regulation	
Harmonic Coefficient THF	< 2%
Tel. Influence TIF	
Insulation Class	н







**Engine** 



**Alternator** 



Saccal Enclosure / Canopy

Controller Make / Model	Deep Sea 4520
Operation Mode	Auto-Start & AMF
Display	Graphic Backlit LCD (128x64px)
Ingress Protection Rating	IP65
Binery Inputs/Outputs	4/4
Analog Inputs	3
Measurements	Vac, A, Hz, KVA,KW, Vdc
Event Log	Alarms Log, Hrs Log
Communication	USB

Canopy Type	SILENT SUPER SILENT
Enclosure Type	Acoustic & Weatherproof
Drainage	Fuel and Water Drainage Provision
Transportation	Tested Single Point Lifting Facility & Forklift Pockets
Ingress Protection	IP23
Lifting	ISO Standard Lifting
Canopy RAL Color	RAL 9002 - Powder Coated
Base Frame RAL Color	RAL 9005 - Powder Coated
Noise Pressure Level db(A) @ 1m @75% Load	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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