

@ 0.8 PF

50 Hz 1500 RPM

VOLTAGE	PRIME RATING	STANDBY RATING
400/3 Ph	60 KVA	66 KVA

NOTES

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

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:	1720mm	2280mm	3520mm
Width:	750mm	940mm	1070mm
Height:	1250mm	1280mm	1560mm
Weight:	640kg	1020kg	1400kg





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Technical Data

Diesel Generating Set

GENSET Make / Model	PERKINS 1103A-33TG2
Alternator Make / Model	Stamford Tech 224E
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)	190 L
Battery	70 A

Engine Specifications

Make & Model	PERKINS 1103A-33TG2
Cylinder & Arrangement	3; Vertical in-line
Cycle	4 stroke
Induction System / Aspiration	Turbocharged
Cooling System	Water cooled
Governing	Mechanical
Governing Class	G2 - ISO 8528 Part 1
Compression Ratio	17.25:1
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	11.8 L
Cooling Fan Air Flow	2.53 m3/s
Max Water Temperature	110°C

Air System

Air Filter Type	Dry Element
Max Air Filter Intake Restriction	5kPA

Cooling System Design 50°C

Heat Radiation to Room

11.0 kW

Exhaust System

Muffler Type	Industrial Grade
Max Back Pressure	10.0 kPa
Exhaust Gas Flow	10.4 m3 / min
Exhaust Gas Temperature	≤571° C



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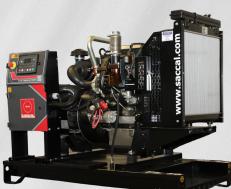
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Recommended Fuel	Class A2 Diesel
Fuel Consumption Standby	15.9 L/hr
Fuel Consumption @100% PRP	14.6 L/hr
Fuel Consumption @75% PRP	10.8 L/hr
Fuel Consumption @50% PRP	7.56 L/hr

Engine Fuel System Alternator Specifications

Alternator Make / Model	Stamford Tech 224E
AVR Model	SX460
Number of Poles	4
Number of Winding Leads	6
Type of Bearing	Single Bearing
Excitation System	Self Excited
Ingress Protection Rating	IP23
Cooling Airflow	0.216 m3 / Sec
Voltage Regulation	±1%
Harmonic Coefficient THF	< 2%
Tel. Influence TIF	< 50
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

Сапору Туре	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.

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