



Gensets
Large Range

Perkins
THE HEART OF EVERY GREAT MACHINE

LEROY SOMER

Ratings
@ 0.8 PF

50 Hz
1500 RPM

VOLTAGE	PRIME RATING	STANDBY RATING
400/3 Ph	600 KVA	660 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:	3550mm	6050mm	6050mm
Width:	1460mm	2440mm	2440mm
Height:	2050mm	2440mm	2440mm
Weight:	4700kg	8000kg	7850kg

Technical Data

Diesel Generating Set

GENSET Make / Model	PERKINS 2806A-E18TAG1A
Alternator Make / Model	Leroy Somer TAL 0473E
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

Engine Specifications

Make & Model	PERKINS 2806A-E18TAG1A
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	14.5:1
Displacement	18.13
Bore & Stroke	145 x 185 mm
Dynamic Charging Alternator	70 AMP, 24 V

Lubrication System

Oil Filter Type	Spin-On Full Flow
Total Oil Capacity	62 L
Oil Type	API CI-4

Cooling System

Total Coolant Capacity	61.0 L	Cooling System Design	50°C
Cooling Fan Air Flow	11.70 m ³ /s	Heat Radiation to Room	42.0 kW
Max Water Temperature	103°C		

Air System

Air Filter Type	Dry Element
Max Air Filter Intake Restriction	6.4kPa

Exhaust System

Muffler Type	Industrial Grade
Max Back Pressure	6.9 kPa
Exhaust Gas Flow	104.0 m ³ / min
Exhaust Gas Temperature	≤571° C



SACCAL INDUSTRIES

LEBANON BEIRUT
Rachid Karami st, Concorde Center
Telephone: +961 1 34 45 18
E-mail: industries@saccal.com

UAE SHARJAH
Business center, SPC, Publishing City
Telephone: +971 56 714 0510
E-mail: Saccaluae@saccal.com

IRAQ ERBIL
Street 100 - 3/57, Warsh
Telephone: +964 78 08416865 +964 75 02194846
+964 77 09887972 E-mail: erbil@saccal.com

BAGHDAD
Riyadh District Square - District 908 -
Street 25 - House 28
Telephone: +964 77 23813927
E-mail: baghdad@saccal.com



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Controller



Engine



Alternator



Saccal Enclosure / Canopy

Engine Fuel System

Recommended Fuel	Class A2 Diesel
Fuel Consumption Standby	134.0 L/hr
Fuel Consumption @100% PRP	123.0 L/hr
Fuel Consumption @75% PRP	90.0 L/hr
Fuel Consumption @50% PRP	61.0 L/hr

Alternator Specifications

Alternator Make / Model	Leroy Somer TAL 0473E
AVR Model	R150
Number of Poles	4
Number of Winding Leads	6
Type of Bearing	Single Bearing
Excitation System	Self Excited
Ingress Protection Rating	IP23
Cooling Airflow	0.90 m3 / Sec
Voltage Regulation	±0.8%
Harmonic Coefficient THF	< 2%
Tel. Influence TIF	< 50
Insulation Class	H

Controller Make / Model	Deep Sea 7320
Operation Mode	Auto-Start & AMF
Display	Graphic Backlit LCD (128x64px)
Ingress Protection Rating	IP65
Binary 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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LEBANON BEIRUT
Rachid Karami st, Concorde Center
Telephone: +9611 34 45 18
E-mail: industries@saccal.com

UAE SHARJAH
Business center, SPC, Publishing City
Telephone: +971 56 714 0510
E-mail: Saccaluae@saccal.com

IRAQ ERBIL
Street 100 - 3/57, Warsh
Telephone: +964 78 08416865 +964 75 02194846
+964 77 09887972 E-mail: erbil@saccal.com

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Riyadh District Square - District 908 -
Street 25 - House 28
Telephone: +964 77 23813927
E-mail: baghdad@saccal.com

