



Gensets
Small Range

BAUDOIN
MOTORS

STAMFORD
power generation

Ratings
@ 0.8 PF

50 Hz
1500 RPM

VOLTAGE	PRIME RATING	STANDBY RATING
400/3 Ph	80 KVA	88 KVA

NOTES

Prime Power

Unlimited hours usage with an average load factor of 80% 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:	1850mm	2670mm	3520mm
Width:	900mm	1200mm	1320mm
Height:	1300mm	1670mm	1620mm
Weight:	900kg	1680kg	1920kg

Technical Data

Diesel Generating Set



GENSET Make / Model	Baudoin 4M10G88/5
Alternator Make / Model	Stamford Tech 224G
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)	190L
Battery	1 X 100A

Engine Specifications

Make & Model	Baudoin 4M10G88/5
Cylinder & Arrangement	4; In Line
Cycle	4 stroke
Induction System / Aspiration	Turbocharged
Cooling System	Water cooled
Governing	Electronic
Governing Class	ISO 8528-5 Class G3
Compression Ratio	17.5:1
Displacement	4.087
Bore & Stroke	105 x 118 mm
Dynamic Charging Alternator	80 AMP, 12V

Lubrication System

Oil Filter Type	Spin-On Full Flow
Total Oil Capacity	14.0 L
Oil Type	15w40

Cooling System

Total Coolant Capacity	8.5 L
Cooling Fan Air Flow	146 m ³ /s
Max Water Temperature	98°C
Cooling System Design	50°C
Heat Radiation to Room	10.8 kJ/s

Air System

Air Filter Type	Dry Element
Max Air Filter Intake Restriction	30 mBar

Exhaust System

Muffler Type	Industrial Grade
Max Back Pressure	50 mBar
Exhaust Gas Flow	17.25 m ³ / min
Exhaust Gas Temperature	≤700° C



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BAUDOIN
MOTEURS

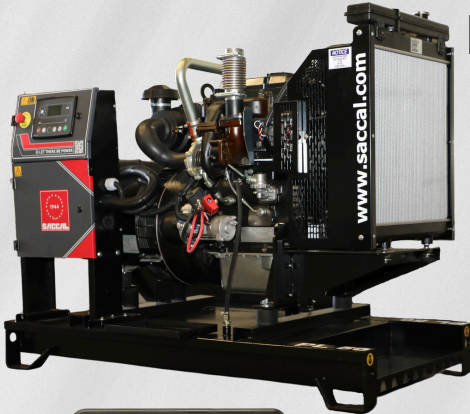
STAMFORD
power generation

Engine Fuel System

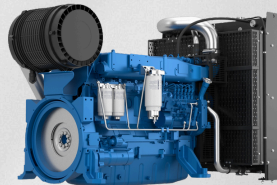
Recommended Fuel	Class A2 Diesel
Fuel Consumption Standby	21.3 L/hr
Fuel Consumption @100% PRP	18.8L/hr
Fuel Consumption @75% PRP	13.5 L/hr
Fuel Consumption @50% PRP	9.5 L/hr

Alternator Specifications

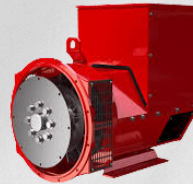
Alternator Make / Model	Stamford Tech 224G
AVR Model	SX460
Number of Poles	4
Number of Winding Leads	6
Type of Bearing	Single Bearing
Excitation System	Self Excited
Ingress Protection Rating	IP23
Cooling Airflow	0.216 m3 / Sec
Voltage Regulation	±1%
Harmonic Coefficient THF	< 2%
Tel. Influence TIF	<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



Controller



Engine



Alternator



Saccal Enclosure / Canopy

Controller Make / Model	DeepSea 4520
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 & Weather Proof	
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
- Owner & 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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