PN22

STAMFURD

er generation



Ratings @ 0.8 P		50 Hz 1500 RPM		
VOLTAGE	PRIME RATING	STANDBY RATING		
400/3 Ph	20 KVA	22 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:	1300mm	1980mm	2450mm
Width:	750mm	780mm	870mm
Height:	1150mm	1280mm	2450mm
Weight:	420kg	700kg	900kg

Technical Data

Diesel Generating Set

GENSET Make / Model	PERKINS 404A-22G1
Alternator Make / Model	Stamford Tech 184ES
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)	50 L
Battery	50 A

Gensets

Small Range

Perkins

.

Engine Specifications

Make & Model	PERKINS 404A-22G1
Cylinder & Arrangement	4; 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	23.3:1
Displacement	2.216
Bore & Stroke	84 x 100 mm
Dynamic Charging Alternator	15 AMP, 12 V

Lubrication System

Oil Filter Type	Spin-On Full Flow
Total Oil Capacity	10.6 L
Oil Type	API CI-4

Cooling System

Total Coolant Capacity Cooling Fan Air Flow 0.59 m3/s Max Water Temperature

Air System

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

Cooling System Design 50°C

Heat Radiation to Room

4.4 kW

Exhaust System

Muffler Type	Industrial Grade
Max Back Pressure	10.2 kPa
Exhaust Gas Flow	3.94 m3 / min
Exhaust Gas Temperature	≤505° C



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PN22

*****		Genset Small Rang		STAMFORD power generation
* 1944 *	Engine Fue	l System	Alternator	Specifications
* Since *	Recommended Fuel	Class A2 Diesel	Alternator Make / Model	Stamford Tech 184ES
	Fuel Consumption Standby	6.1 L/hr	AVR Model	SX460
<u>5/166/16</u>	Fuel Consumption @100% PRP	5.3 L/hr	Number of Poles	4
	Fuel Consumption @75% PRP	4.0 L/hr	Number of Winding Leads	6
	Fuel Consumption @50% PRP	2.9 L/hr	Type of Bearing	Single Bearing
			Excitation System	Self Excited
	cccal		Ingress Protection Rating	IP23
	es.v		Cooling Airflow	0.095 m3 / Sec
			Voltage Regulation	±1%
			Harmonic Coefficient THF	< 2%
			Tel. Influence TIF	< 50
			Insulation Class	н
Image: Sector secto	Engine	Alternator	Saccal Encle	osure / Canopy
Controller Make / Model	Deep Sea 4520	Canopy Type	SILENT	SUPER SILENT
Operation Mode	Auto-Start & AMF	Enclosure Type	Acoustic & Wea	atherproof
Display	Graphic Backlit LCD (128x64px)	Drainage	Fuel and Water	Drainage Provision
Ingress Protection Rating	IP65	Transportation	Tested Single F Forklift Pockets	oint Lifting Facility &
Binery Inputs/Outputs	4/4	Ingress Protection	IP23	
Analog Inputs	3	Lifting	ISO Standard L	ifting
Measurements	Vac, A, Hz, KVA,KW, Vdc	Canopy RAL Color	RAL 9002 - Pov	vder 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

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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