# **PN88**

**STAMFORI** 

power generation



Ratings @ 0.8 PF		50 Hz 600 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 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:	1850mm	2670mm	3520mm
Width:	820mm	1120mm	1320mm
Height:	1270mm	1570mm	1620mm
Weight:	1080kg	1400kg	1600kg

**Technical Data** 

## **Diesel Generating Set**

GENSET Make / Model	PERKINS 1104A-44TG2
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)	190 L
Battery	100 A

Gensets

Small Range

**Perkins** 

E

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## **Engine Specifications**

Make & Model	PERKINS 1104A-44TG2
Cylinder & Arrangement	4; 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	4.4
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	8.0 L	
Oil Type	API CI-4	

# **Cooling System**

Total Coolant Capacity	13.0 L
Cooling Fan Air Flow	4.44 m3/s
Max Water Temperature	102°C

## **Air System**

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

UAE

Cooling System Design 50°C

Heat Radiation to Room

## 16.0 kW

# **Exhaust System**

Muffler Type	Industrial Grade
Max Back Pressure	300 (mmWG)
Exhaust Gas Flow	5.14 m3 / min
Exhaust Gas Temperature	≤580° C



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# **PN88**



## 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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