

Model : SQD8 (S)

Standby Power (50Hz)	8KVA/6KW
Prime Power(50Hz)	7KVA/5.4KW

## Standard Features

- Engine: Doosan SP103NA
- Charge Alternator: 24V
- Governor: Mechanical
- Generator: Stamford PI044D
- Single Bearing Alternator IP23
- Insulation Class H/H
- Genuine radiator with engine driven fan
- Skid and vibration isolators
- Dry type air filter
- Main line circuit breaker (Below 500KVA)
- 12V battery and cable
- User's manual

## Weight And Dimensions

Genset	Dimensions(LxWxH)	Weight (KG)
Open type	1100mmx700mmx760mm	210
Silent type	2200mmx1033mmx1304mm	896

## Generator Ratings

Voltage	Hz	Phase	Power Factor	Standby (KVA/KW)	Prime (KVA/KW)
400/230	50	3	0.8	8/6	7/5.4

## Criterion

- Generator sets: GB/T2820-1997, ISO9001: 2008
- Alternator: BS5000, VDE0530, NEMA MG1-32, IEC34, CSAC22.2-100, AS1359
- Diesel Engine: ISO3046, DIN6271



## Engine Data

• Manufacturer/Model	Doosan SP103NA
• No.of Cylinders	3
• Displacement	1.007L
• Bore and Stroke	Ø75 x 76 (mm)
• Compression ratio	21:01
• Rated RPM	1500rpm
• Oil capacity	Max. 3.8 liters
• Rotation	Counter clockwise viewed from Flywheel
• Governor	Mechanical centrifugal + Woodward Apecs 4500
• Exhaust Gas Flow @Standby Rating	0.63m <sup>3</sup> /min
• Exhaust Temperature @Standby Rating	370°C
• Intake Air Flow@Standby Rating	0.6m <sup>3</sup> /min
• Cooling method	Fresh water forced circulation
• Feed pump	Diaphragm type pump
• Lubrication System Min. capacity	12L
• Coolant capacity (Engine Only)	1.6 liters

## Alternator Data

• Manufacture/Type	Stamford/PI044D
• Number of phase power	3
• Factor	0.8
• Pole Number	4
• Bearing Number	1
• Exciter Type	Brushless, self-excited
• Insulation Class	H/H
• Protection	IP23

## Control Panel



- Auto Module Control Panel, usually adopt control module of UK Deepsea DSE 6020 or Equal, is the configuration for nobody on duty generators control, This kind of panel adopts auto module control system, with large LCD display to show the menu.
- Features: receive remote output signal from ATS and realize auto start and stop of generators.
- Auto Mains Failure controller, can realize further more can detect ATS and control directly.





- Automatic Parallel Control Panel usually adopting intelligent control module of UK Deepsea DSE8610 or equal, this new automatic parallel system is inserted and folded installed, no need the peripheral relay and logic circuit. The main switch adopts electronic breaker or frame breaker, combined together with the generator, which is very reliable. One generator, one panel. The panel can be used both for single genset working or Gensets Parallel working. This kind of panel also can be used to parallel generator when the capability of the power plant needs to be enlarged in the future.

## Optional

Engine	Alternator	Fuel System	Control System
<ul style="list-style-type: none"> <li>• Pre-heater</li> </ul>	<ul style="list-style-type: none"> <li>• Anti Condensation Heater</li> <li>• Drop CT (For Paralleling)</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Fuel Tank</li> <li>• Water Separator</li> </ul>	<ul style="list-style-type: none"> <li>• Remote Control Panel</li> <li>• Auto Transfer Switch (ATS)</li> <li>• Paralleling System</li> <li>• Electricity Output Cabinet</li> </ul>

## Others

- Rainproof Type
- Soundproof Type
- Trailer Type
- Container Type
- Spare Parts



## Warranty

- Warranty is according to our standard conditions: 12 months or 1,200 running hours, subject to the earlier one. And what's more, Doosan gensets enjoy world-wide united Warranty from Doosan engine agency or service centre at the client's local side.
- Service and parts are available from Guangzhou Sanq Power Equipment Co.,Ltd or our distributors in your location.

