

SR POWER

SR930-3-DO1

Powered By:



DIESEL GENERATOR SET

Generator Set Output Rating

Voltage (V)	Hz	Phase	PF	Max. Current (A)	Prime (kVA/kW)	Standby (kVA/kW)
480/277	60	3	0.8	1118	845/676	930/744
220/127	60	3	0.8	2440	845/676	930/744

Canopy Model	Dimensions (L x W x H mm)	Weight (Kg)	Fuel - Hours of Run-time
TC4920	4920 x 1800 x 2500	6390	6-8h
Open Model	Dimensions (L x W x H mm)	Weight (Kg)	Fuel - Hours of Run-time
SR930-3-DO1	3500 x 1400 x 2175	5482	6-8h

Standard Configuration	Test Condition and Standards
<ul style="list-style-type: none"> Engine (Doosan) Channel Steel Base 24V Charging Alternator GE Circuit Breaker 24V Starter Battery and Connecting Cable Flexible Pipe, Exhaust Elbow, Industrial Silencer, etc. 	<ul style="list-style-type: none"> Ambient Temperature: $\leq 27^{\circ}\text{C}$ Relative Humidity: $\leq 60\%$, Altitude: $\leq 1000\text{m}$ Engine: ISO3046, DIN6271, BS5514 Alternator: VDE0530, BS5000, NEMA MG1-21, IEC34 Generator: ISO8528, GB2820 Generator O&M Manuals
<ul style="list-style-type: none"> Alternator (Stamford) 40°C Radiator Air Filter, Diesel Fuel Filter, Lube Oil Filter Control Panel (DSE7320) 	

Engine Technical Data

Model:	DP222LCS	Max. Power (kW):	790
Induction System:	Turbo-charged & Intercooled	Displacement (L):	21.927
Cylinder Arrangement:	V-type, Four Cycle	Bore (mm) × Stroke (mm):	128×142
Number of Cylinders:	12	Compression Ratio:	15:1
Governor Type:	Electric Type	Speed (RPM):	1800

Air System

Combustion Air Flow (M ³ /min):	Prime: 54.4	Standby: 58.6
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Exhaust System

Exhaust Gas Flow (M ³ /min):	120/130	Max. Back Pressure (kPa):	5.9
Exhaust Gas Temperature:	478°C		

Lubrication System

Total Oil Capacity (L):	40	Oil Consumption 100% Load (g/h):	716/788
		Recommended Oil:	API CF-4 15W/40

Cooling System

Cooling System Capacity (L):	114	Max. Coolant Temperature (°C):	103
Thermostat Operation Range (°C):	71-85	Radiator Fan Drive Type:	Shaft Drive
Radiator Cooling Air Flow (M ³ /min):	1050	Radiator Power (kW):	24

Fuel System

Fuel Injection Pump:	Bosch In-line "P" type	Recommended Fuel:	BS2869:1998 Class A2 Diesel
Fuel Consumption 100% Load (L/h):	183.2	Fuel Consumption 110% Load (L/h):	203.8

Engine Electrical System

Voltage:	24Vdc
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Alternator Physical Data

Model:	HCI634G	Rated Power (kVA):	1000
Phase:	3	Number of Bearings:	1
Excitation System:	PMG	AVR:	MX321
Connection:	3P 4W, Parallel/Series Star	Insulation Class/Temp Rise:	H/H
Power Factor:	0.8	Wave form NEAM=TIF:	<50
Ingress Protection Rating:	IP23	Wave form IEC=THF:	<2%
Winding Pitch:	2/3	Voltage Regulation:	±0.5%
Cooling Air (M ³ /s):	1.961	Efficiency:	94.2%

Warranty

The standard warranty period: One year after ex-works from factory or 1500 operation hours whichever come occurs first.

- **The model name and output rating figures are base on 400V and may have a 2% deviation**
- **Specifications subject to change without prior notice**



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