

SR POWER

SR500-3-P4i1

Powered By:



Diesel Power



DIESEL GENERATOR SET

Generator Set Output Rating

Voltage (V)	Hz	Phase	PF	Max. Current (A)	Prime (kVA/kW)	Standby (kVA/kW)
220/127	60	3	0.8	1680	585/468	640/512

Canopy Model	Dimensions (L x W x H mm)	Weight (Kg)	Fuel - Hours of Run-time
TC4920	4920 x 1800 x 2500	5740	6-8h
Open Model	Dimensions (L x W x H mm)	Weight (Kg)	Fuel - Hours of Run-time
SR500-3-P4i1	3460 x 1120 x 2085	3818	6-8h

Standard Configuration	Test Condition and Standards
<ul style="list-style-type: none"> Engine (Perkins) 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 MG1-32, IEC34 Generator: ISO8528, GB2820 Generator O&M Manuals
<ul style="list-style-type: none"> Alternator (Stamford) 50°C Radiator Air Filter, Diesel Fuel Filter, Lube Oil Filter Control Panel (DSE7320) 	

Engine Technical Data			
Model:	2506C-E15TAG3	Max. Power (kW):	552.5
Induction System:	Turbo-charged	Displacement (L):	15.2
Cylinder Arrangement:	In Line, Four Cycle	Bore (mm) × Stroke (mm):	137 x 171
Number of Cylinders:	6	Compression Ratio:	16:1
Governor Type:	Electronic	Speed (RPM):	1800

Air System		
Combustion Air Flow (M ³ /min):	Prime: 39	Standby: 42

Exhaust System			
Combustion Gas Flow (M ³ /min):	102/112	Max. Back Pressure (kPa):	6.8
Exhaust Gas Temperature:	$\leq 550^{\circ}\text{C}$	Exhaust Outlet Size (mm):	127

Lubrication System			
Total Oil Capacity (L):	60	Oil Consumption 100% Load (L/h):	0.121/0.132
Normal Oil Temperature (°C):	114	Recommended Oil:	API C14 15W/40

Cooling System			
Cooling System Capacity (L):	58	Max. Coolant Temperature (°C):	107
Thermostat Operation Range (°C):	88-98	Radiator Fan Drive Type:	Shaft Drive
Radiator Cooling Air Flow (M ³ /min):	822	Radiator Power (kW):	15.5

Fuel System

Fuel Injection Pump:	MEUI	Recommended Fuel:	BS2869:1998 Class A2 Diesel
Fuel Consumption 100% Load (L/h):	121	Fuel Consumption 110% Load (L/h):	132

Engine Electrical System

Voltage: 24Vdc

Alternator Physical Data

Model:	HCI544D	Rated Power (kVA):	644
Phase:	3	Number of Bearings:	1
Excitation System:	Self-Excited and Brushless	AVR:	AS440
Connection:	3P 4W, Parallel 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:	±1%
Cooling Air (M ³ /s):	1.035	Efficiency:	94.3%

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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