

# SR POWER

SR145-3-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	475	167/134	181/145

Canopy Model	Dimensions (L x W x H mm)	Weight (Kg)	Fuel - Hours of Run-time
TC3350	3350 x 1120 x 1850	2280	6-8h
Open Model	Dimensions (L x W x H mm)	Weight (Kg)	Fuel - Hours of Run-time
SR145-3-P4i1	2300 x 900 x 1470	1487	6-8h

Standard Configuration	Test Condition and Standards
<ul style="list-style-type: none"> <li>Engine (Perkins)</li> <li>Channel Steel Base</li> <li>24V Charging Alternator</li> <li>GE Circuit Breaker</li> <li>24V Starter Battery and Connecting Cable</li> <li>Flexible Pipe, Exhaust Elbow, Industrial Silencer, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Ambient Temperature: <math>\leq 27^{\circ}\text{C}</math></li> <li>Relative Humidity: <math>\leq 60\%</math>, Altitude: <math>\leq 1000\text{m}</math></li> <li>Engine: ISO3046, DIN6271, BS5514</li> <li>Alternator: VDE0530, BS5000, NEMA MG1-32, IEC34</li> <li>Generator: ISO8528, GB2820</li> <li>Generator O&amp;M Manuals</li> </ul>
<ul style="list-style-type: none"> <li>Alternator (Stamford)</li> <li>50°C Radiator</li> <li>Air Filter, Diesel Fuel Filter, Lube Oil Filter</li> <li>Control Panel (DSE7320)</li> </ul>	

### Engine Technical Data

Model:	1106D-E70TAG2	Max. Power (kW):	171
Induction System:	Turbo-charged	Displacement (L):	7.01
Cylinder Arrangement:	In Line, Four Cycle	Bore (mm) × Stroke (mm):	105 x 135
Number of Cylinders:	6	Compression Ratio:	16.8:1
Governor Type:	Electronic CRIN2	Speed (RPM):	1800

### Air System

Combustion Air Flow (M <sup>3</sup> /min):	Prime: 13.9	Standby: 14.4
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### Exhaust System

Combustion Gas Flow (M <sup>3</sup> /min):	28.77/29.93	Max. Back Pressure (kPa):	15
Exhaust Gas Temperature:	450°C	Exhaust Outlet Size (mm):	116

### Lubrication System

Total Oil Capacity (L):	17.5	Oil Consumption 100% Load (L/h):	0.0397/0.0431
Normal Oil Temperature (°C):	125	Recommended Oil:	API CH-4 15W/40

### Cooling System

Cooling System Capacity (L):	21	Max. Coolant Temperature (°C):	108
Thermostat Operation Range (°C):	82-95	Radiator Fan Drive Type:	Shaft Drive
		Radiator Power (kW):	10

## Fuel System

Fuel Injection Pump:	CB28	Recommended Fuel:	BS2869:1998 Class A2 Diesel
Fuel Consumption 100% Load (L/h):	39.7	Fuel Consumption 110% Load (L/h):	43.1

## Engine Electrical System

Voltage:	12Vdc
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## Alternator Physical Data

Model:	UCI274E	Rated Power (kVA):	181.3
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 <sup>3</sup> /s):	0.514	Efficiency:	91.4%

## 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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