

SR POWER

SR29-1-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)
220/110	60	1	1.0	131.8	26/26	29/29

Canopy Model	Dimensions (L x W x H mm)	Weight (Kg)	Fuel - Hours of Run-time
TC2280	2280 x 1120 x 1600	1130	6-8h
Open Model	Dimensions (L x W x H mm)	Weight (Kg)	Fuel - Hours of Run-time
SR29-1-P4i1	1460 x 650 x 1130	507	6-8h

Standard Configuration	Test Condition and Standards
<ul style="list-style-type: none"> Engine (Perkins) Channel Steel Base 12V Charging Alternator GE Circuit Breaker 12V 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:	404D-22TG	Max. Power (kW):	27.7
Induction System:	Naturally Aspirated	Displacement (L):	2.216
Cylinder Arrangement:	In Line, Four Cycle	Bore (mm) × Stroke (mm):	84 x 100
Number of Cylinders:	4	Compression Ratio:	23.3:1
Governor Type:	Mechanical	Speed (RPM):	1500

Air System

Combustion Air Flow (M ³ /min):	Standby: 2.08
--	---------------

Exhaust System

Combustion Gas Flow (M ³ /min):	TBD	Max. Back Pressure (kPa):	10.2
Exhaust Gas Temperature:	$\leq 490^{\circ}\text{C}$	Exhaust Outlet Size (mm):	60

Lubrication System

Total Oil Capacity (L):	10.6	Oil Consumption 100% Load (L/h):	0.03/0.04
Normal Oil Temperature (°C):	125	Recommended Oil:	API CH-4 15W/40

Cooling System

Cooling System Capacity (L):	9.32	Max. Coolant Temperature (°C):	112
Thermostat Operation Range (°C):	82-95	Radiator Fan Drive Type:	Shaft Drive
		Radiator Power (kW):	0.3

Fuel System

Fuel Injection Pump:	Cassette type	Recommended Fuel:	BS2869:1998 Class A2 Diesel
Fuel Consumption 100% Load (L/h):	6.4	Fuel Consumption 110% Load (L/h):	7.9

Engine Electrical System

Voltage:	12Vdc
----------	-------

Alternator Physical Data

Model:	PI144J	Rated Power (kVA):	29.5
Phase:	1	Number of Bearings:	1
Excitation System:	Self-Excited and Brushless	AVR:	AS480
Connection:	Double Delta	Insulation Class/Temp Rise:	H/H
Power Factor:	1.0	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):	0.1	Efficiency:	83.8%

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**



SR POWER

10151 Business Drive, Miramar, Florida 33025 - United States