



DIESEL GENERATOR SETS

R-SC Series

Powered by SDEC Engines

R-SC688D5/S

50_{Hz}

Output Ratings

Three-Phase, 50Hz, 1500RPM			
Output	Prime Power		Standby Power
	688kVA / 550kW		756kVA / 605kW
Voltage (V)	Frequency (Hz)	Current(A)	Power Factor
380/220	50	1045	0.8
400/230	50	992	0.8
415/240	50	956	0.8

- 1) Ambient reference conditions: 1,000 bar, 25°C, 60% relative humidity
- 2) Standby Power Standby duty, operation under variable load, without Over load;
- 3) Prime Power-Continuous duty operation, under variable load 24/24h -10% over load permissible 1 hour/12 hours

Features

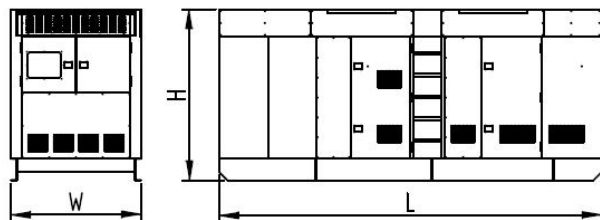
- Strong power, high torque, easy to maintain, easy to start;
- Low noise, low emissions;
- Cabinet made of high quality sheet metal, corrosion-resistant, scratch-resistant;
- Canopy sealing performance, high waterproof, dust-proof, rain, dust and other difficult to access;
- Omni-directional control, easy connection and simple;
- Cranes, fork, pull, drag, easy transportation;
- ≥8-hour fuel tanks;
- Open type with 40°C radiator, Soundproof type with 50°C radiator

Performance Data

Engine Brand & Model		SDEC & SC27G900D2
Alternator Brand & Model		WERN & WR544FL
Control System		HGM6120
Circuit Breaker Type(Standard)		3 Pole MCCB
Fuel Consumption (l/hr)	100% Load	131.2
	75% Load	/
	50% Load	/
	25% Load	/

Dimensions and Weights

Content		Open Sets	Soundproof Sets
Dimensions: (mm)	L	3500	5035
	W	1610	1885
	H	2100	2450
Weight (kg)		5000	7500



Engine Brand / Model & SDEC / SC27G900D2

No. of Cylinders / Alignment	12 / In Line	Gross Engine	Prime	602
Cycle	4 Stroke	Power (kW)	Standby	662
Bore / Stroke	135 mm / 155 mm	Compression Ratio	16 : 1	
Induction	TCA	Displacement (L)	26.6	
Cooling Method	Water	Governing Type	E	
Lubricant Oil	15W40-CF4	Net weight (kg)	2080	
Lubricant Oil Capacity (L)	55-65	Coolant Capacity (L)	48	

Alternator Brand / Model & WERNA / WR544FL

Rated Capacity (kVA)	710	A.V.R. Model	SX460
Rated Power (kW)	568	Voltage Regulation (no load- full load)	± 1.0%
THF(BS EN60034 – 1)	<2%	Underspeed Protection	Standard
Bearing Number	Single	Protection	IP23
Windings	100% Copper	Phase Sequence	A(U), B(V), C(W)
Silicon Steel Core Processing	One Piece Punching	TIF(NEMA MG 1-22)	<50
Insulation Class	H	Excitation System	Self-excited, SHUNT
Winding Pitch	2 / 3	Ambient Temp.	50 °C
Amortisseur Winding	Full	Stator Rated Temp.	125 °C

Control System:



HGM6120

- 132*64 LCD display with backlight, optional language interface (Chinese, English, Spanish, Russian, Portuguese, Turkey, Polish and French), push-button operation;
- Acrylic screen, improved wear and scratch resistance property;
- Silica-gel panel and keys can well adapt to higher and lower temperature;
- With RS485 communication port, can achieve “three remote” functions via MODBUS protocol;
- With CANBUS port which can be connected to electronic injection with J1939, it not only can monitor frequently-used data (such as water temperature, oil pressure, rotated speed and fuel consumption, etc.) but also can control start, stop, high speed and low speed (controller with CANBUS port is needed) via CANBUS port.
- Adapt to 3P4W, 3P3W, 1P2W and 2P3W (120V/240V), 50Hz/60Hz AC power system;
- Can measure and display 3 phase voltage, 3 phase current, frequency, power parameter of mains/gens;

Documents

<ul style="list-style-type: none"> ● Engine parts manual and original data ● Alternator original data ● Controller system original data ● Generator set factory test report 	<ul style="list-style-type: none"> ● Generator set maintenance record manual ● Generator set instruction manual ● Generator combination certificate
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Optional

Engine	Controller System
<ul style="list-style-type: none"> ● Water heater ● Fuel heater ● Oil heater ● Secondary silencer ● Water separator 	<ul style="list-style-type: none"> ● Compartment operation remote control system ● With three remote control screen ● Auto Transfer Switch ● Multiple units are automatically connected in synchronize ● Centralized monitoring
Alternator	Others
<ul style="list-style-type: none"> ● Anti condensation heater ● Permanent magnet generator (PMG) ● Drop CT(Paralleling) ● Other alternator temperature rise level ● Stator winding temperature sensor RTD ● Bearing temperature sensor RTD ● Air filter 	<ul style="list-style-type: none"> ● Separate fuel Tank ● Buried storage tank ● Fully automatic oil supply system ● Remote water tank ● Waterproof Type genset ● Trailer Type genset ● Soundproof Type genset ● Open Type genset

Service Commitment

- The products provided are all new products. each gensets undergoes strict factory inspection.
- Products are provided with “three guarantees” service, the period is 12 months after the unit is adjusted and the accumulated running time is 1000 hours, whichever comes first.
- The services and accessories of products can be obtained from the after-sales service department (86-510-83781999-1009).



E-Mail: info@rcgpower.com

We reserve the right to make changes in model, technical specification, color, configuration and accessories without prior notice. Please contact the us before ordering.

