



DIESEL GENERATOR SETS

R-SM Series

Powered by SME Engines

R-SM1500D5/S

50^{Hz}

Output Ratings

Three-Phase, 50Hz, 1500RPM				
Output	Prime Power		Standby Power	
		1500 kVA / 1200 kW		1650 kVA / 1320 kW
Voltage (V)	Frequency (Hz)	Current(A)	Power Factor	
380/220	50	2279	0.8	
400/230	50	2165	0.8	
415/240	50	2087	0.8	

Performance Data

Engine Brand & Model		SME & S12R-PTAA2-C	
Alternator Brand & Model		Leroy Somer & LSA 50.2L8	
Control System		DSE7320 / DSE8610	
Circuit Breaker Type (Optional)		3 Pole MCCB	
		3 Pole ACB	
Fuel Consumption (l/hr)	100% Load	319.5	
	75% Load	/	
	50% Load	/	
	25% Load	/	

Ratings at 0.8 power factor

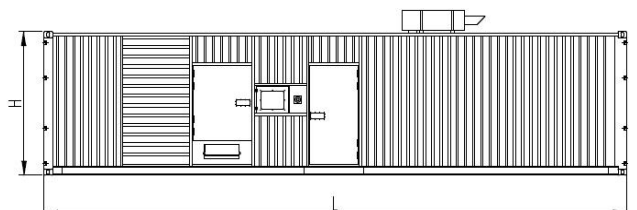
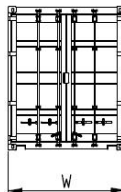
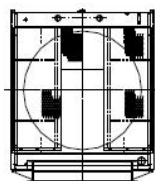
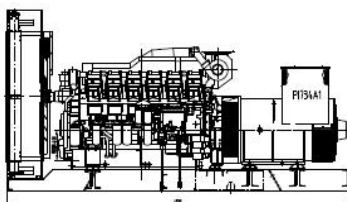
- 1) Ambient reference conditions: 1,000 mbar, 27 °C, 30% relative humidity
- 2) Standby Power Standby duty, operation under variable load, without over load;
- 3) Prime Power-Continuous duty operation,, under variable load 24/24h -10% over load permissible 1 hour/12 hours

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;
- With 50°C radiator;
- Without base frame fuel tank.

Dimensions and Weights

Content		Open Sets	Soundproof Sets (40HP)
Dimensions: (mm)	L	4850	12192
	W	2000	2435
	H	2450	2896
Weights (kg)		10100	11600



Engine Brand / Model: SME / S12R-PTAA2-C

No. of Cylinders / Alignment	12 / V	Gross Engine	Prime	1277
Cycle	4 Stroke	Power (kW)	Standby	1404
Bore / Stroke	170 mm / 180 mm	Compression Ratio		13.5:1
Induction	TCA	Displacement (L)		49.03
Cooling Method	Water	Governing Type		Electronic
Lubricant Oil	15W40-CF4 Upgrade	Net weight (kg)		5300
Lubricant Oil Capacity (L)	180	Coolant Capacity (L)		125

Alternator Brand / Model & Leroy Somer / LSA 50.2L8

Rated Capacity (kVA)	1450	A.V.R. Model	D350
Rated Power (kW)		Voltage Regulation (no load- full load)	± 1.0%
THF(BS EN60034 – 1)	<2%	Under speed 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 :



DSE7320

- Monitoring an extensive number of engine parameters, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS text alerts (with external modem).
- The DSE7320 will also monitor the mains (utility) supply. The modules include USB, RS232 and RS485 ports as well as dedicated DSE Net® terminals for system expansion.
- Both modules are compatible with electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engines and offer an extensive number of flexible inputs, outputs and extensive engine protections so the system can be easily adapted to meet the most demanding industry requirements.
- The extensive list of features includes enhanced event and performance monitoring.



DSE8610

- The DSE8610 is an easy to use multi-generator loadshare system, designed to synchronise up to 32 generators including electronic and non-electronic engines.
- The DSE8610 monitors the generator and indicates operational status and fault conditions, automatically starting or stopping the engine on load demand or fault condition.
- System alarms are annunciated on the LCD screen (multiple language options available), illuminated LED and audible sounder.
- The event log will record 250 events to facilitate easy maintenance. An extensive number of fixed and flexible monitoring, metering and protection features are included as well as comprehensive communication and system expansion options.

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



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

