

RID 2000 E-SERIES S

DIESEL GENERATOR SET 2000 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	2000 1600	2200 1760
Current	A	2890	3179
Voltage	V	230 / 400	230 / 400
Frequency	Hz		50
Rated at power factor	cos φ		0,8

POWER RATING DESCRIPTION

Prime Rating

The ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Rating

The ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

PRODUCT OVERVIEW

RATINGS DATA	
Order number Generator	713299
Alternator Model	Leroy-Somer LSA 52.3 S6
Engine Type	MITSUBISHI - S16R-PTAA2
Generator type	synchronous
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
12192 mm	2438 mm	2591 mm	19500 kg	up to 1000 l

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
81 dB(A)	76 dB(A)	73 dB(A)	71 dB(A)

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ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	1728	1939
Engine type	MITSUBISHI - S16R-PTAA2		
Engine size	16-Cylinder		
Injection system	Direct injection		
Rotational-speed range	rpm	1500	
Bore Stroke	mm	170 180	
Cooling system	water + air		
Speed regulation	electrical		
Compression ratio	14:1		
Displacement	l	65,37	
Engine w/o cooling system	kg	7372	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	-	163	307	402

EXHAUST SYSTEM

Silencer type	Industrial	
Max. exhaust back pressure	mbar	58,8
Exhaust gas flow	m ³ /h	24180

LUBRICATION SYSTEM

Oil type	RID 10W40	
Oil filter type	replaceable element	
Total oil volume	l	230

COOLING SYSTEM

Cooling system	water + air	
Cooling system capacity	l	243
Fan power consumption	kW	44
Cooling Air Flow	m ³ /h	150000

AIR SYSTEM

Air Filter Type	replaceable Element	
Combustion air volume	m ³ /h	9120
max. intake depression	mbar	39,2

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ALTERNATOR DATA

Alternator Model	Leroy-Somer LSA 52.3 S6	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Excitation system	AREP + PMI	
Protection class	IP 23	
Number of wires	6	
Rotor Winding	with damping cage	
THD in no-load	< 4%	
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	9000
Radio interference	EN61000-6-3, EN61000-6-2. For others standards apply to factory	

CERTIFICATIONS AND NORMS

IEC 60034	ISO8528-3	CSA C22.2	UL 1446	NEMA MG 1.32-33
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CONTROL PANEL

~ RID 1000 A ~

CONTROLLER FUNCTIONS

FUNCTIONS	RANGES, VALUES	
operating modes	automatic, manual, test and remote	available
mains control with limits	voltage, frequency, phase sequence	available
generator control with limits	voltage, frequency, power, phase sequence.	available
engine control with limits	start, stop, shutdown by alarms	available
power control	current, kW, kVA, kVA _r , power factor	available
statistic data mains	voltage, frequency and current	available
statistic data generator	voltage, frequency and current	available
fuel level control	in % and in liters	available
fuel consumption control and history	in l/h	available
working hours per day	in h	available
service hours	in h	available
battery service	in h	available
events log with time and date	255 events	available
alarm list programming	77 alarms	available
Protocols	GSM, Ethernet, Modbus, Canbus, RID protocol	available

REMOTE MONITORING FUNCTIONS

mains voltage L1, L2, L3	in V, AC	available	engine temperature	in °C,	optional
generator voltage L1, L2, L3	in V, AC	available	enviroment temperature	in °C,	optional
genset battery voltage DC	in V, DC	available	generator run hours	in h,	available
mains power total	in kW,	available	generator maintanace hours	in h,	available
generator power total	in kW,	available	fuel level	in L,	available
mains frequency	in Hz	available	load on mains	indication	available
generator frequency	in Hz	available	load on generator	indication	available
current L1, L2, L3	in A,	available	mains supply	indication	available
power L1, L2, L3	in kW,	available	generator supply	indication	available

SPECIFIC ALARMS

GENSET DOOR OPEN	FUEL TANK OPEN	AIR FILTER CLOGGING	FIRE ALARM
optional	optional	optional	optional