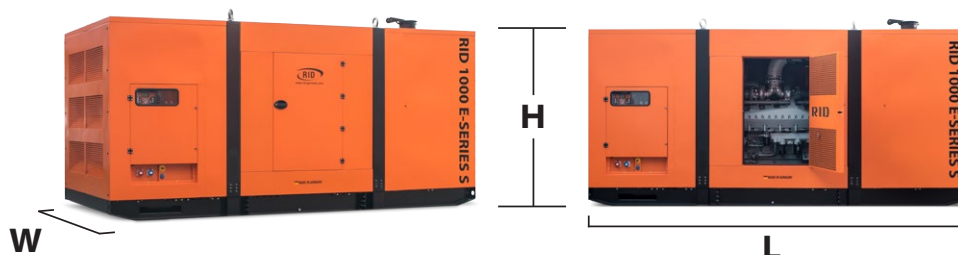


RID 1000 E-SERIES S

DIESEL GENERATOR SET 1000 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	1000 800	1100 880
Current	A	1440	1584
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	713177
Alternator Model	MECC ALTE ECO43 1M/4A
Engine Type	MITSUBISHI - S12H-PTA
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
6000 mm	2700 mm	2900 mm	11900 kg	1500 l

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
80,5 dB(A)	75,5 dB(A)	72 dB(A)	70 dB(A)

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ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	930	1020
Engine type	MITSUBISHI - S12H-PTA		
Engine size	12-Cylinder		
Injection system	Mitsubishi Unit injector × 12		
Rotational-speed range	rpm	1500	
Bore Stroke	mm	150 175	
Cooling system	water + air		
Speed regulation	electrical		
Compression ratio	14.0:1		
Displacement	l	37,11	
Engine w/o cooling system	kg	4450	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	-	116	166	216

EXHAUST SYSTEM

Silencer type	Industrial	
Max. exhaust back pressure	mbar	58,8
Exhaust gas flow	m ³ /h	12060

LUBRICATION SYSTEM

Oil type	RID 10W40	
Oil filter type	replaceable element	
Total oil volume	l	200

COOLING SYSTEM

Cooling system	water + air	
Cooling system capacity	l	100
Fan power consumption	kW	40
Cooling Air Flow	m ³ /h	108000

AIR SYSTEM

Air Filter Type	replaceable Element	
Combustion air volume	m ³ /h	4560
max. intake depression	mbar	39,2

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DIESEL GENERATOR SET 1000 KVA



ALTERNATOR DATA

Alternator Model	MECC ALTE ECO43 1M/4A	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Execution	brushless	
Protection class	IP 23	
Stator Winding	12 ends	
Rotor Winding	I	with damping cage
THD at full load	LL/LN %	1,9 / 2,2
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	5400
Radio interference	EN61000-6-3, EN61000-6-2. For others standards apply to factory	

ALTERNATOR PERFORMANCE DATA

VOLTAGE SERIES STAR, V	RATED POWER (125°C/40°C), KVA KW	X _d	X' _d	X'' _d
380	950 760	390,7 %	18,8 %	9,5 %
400	1025 820	385 %	18,5 %	9,4 %
415	1025 820	357,7 %	17,2 %	8,7 %
440	1000 800	304,8 %	14,6 %	7,4 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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RID 1000 E-SERIES S

DIESEL GENERATOR SET 1000 KVA



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