

RID 1500 E-SERIES

DIESEL GENERATOR SET 1500 KVA



POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA kW	1500 1200	1650 1320
Current	A	2167	2384
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	713182
Alternator Model	MECC ALTE ECO 46-1S/4
Engine Type	mitsubishi - S12R-PTAA2
Generator type	synchronous
Protection class	IP 23
Control Panel	RID 1000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
4500 mm	2100 mm	2400 mm	11000 kg	1500 l

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
106 dB(A)	104 dB(A)	102 dB(A)	98 dB(A)

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ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME	STANDBY
Engine output	kW	1314	1484
Engine type		MITSUBISHI - S12R-PTAA2	
Engine size		12-Cylinder	
Injection system		Mitsubishi PS6 Type × 2	
Rotational-speed range	rpm	1500	
Bore Stroke	mm	170 180	
Cooling system		water + air	
Speed regulation		electrical	
Compression ratio		13,5:1	
Displacement	l	49,03	
Engine w/o cooling system	kg	5830	

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	-	163	231,7	308,9

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	58,8
Exhaust gas flow	m ³ /h	18720

LUBRICATION SYSTEM

Oil type		RID 10W40
Oil filter type		replaceable element
Total oil volume	l	180

COOLING SYSTEM

Cooling system		water + air
Cooling system capacity	l	202
Fan power consumption	kW	40
Cooling Air Flow	v	108000

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m ³ /h	7080
max. intake depression	mbar	39,2

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ALTERNATOR DATA

Alternator Model	MECC ALTE ECO 46-1S/4	
Generator type	synchronous	
Insulation Class	H	
Regulation Type	AVR	
Execution	brushless	
Protection class	IP 21	
Stator Winding	12 ends	
Rotor Winding	I	with damping cage
THD at full load	LL/LN %	3 / 2,9
Overspeed	rpm	2250
Air Flow Requirement	m ³ /h	8100
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	1500 1200	291,4 %	28,3 %	14,3 %
400	1500 1200	263 %	25,5 %	12,9 %
415	1500 1200	244,3 %	23,7 %	12,0 %
440	1300 1040	202 %	19,8 %	10,1 %

CERTIFICATIONS AND NORMS

EN60034-1	ISO8528-3	EN55011	Outdoor Noise Equipment Directive 2000/14/EC
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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