RID 15 E-SERIES S

DIESEL GENERATOR SET 15 KVA

STAGE 5

STAGE V certified

POWER RATING

OUTPUT RATINGS		PRIME	STANDBY
Power	kVA | kW	15 | 12	16,5 | 13,2
Current	A	21,7	23,8
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 comercially 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	712205
Alternator Model	Linz E1X13M F/4 | Leroy - Somer TAL 040 D
Engine Type	MITSUBISHI - S4L2
Generator type	synchronous
Control Panel	RID 2000 A

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
1500 mm	782 mm	1246 mm	590 kg	110 l

NOISE LEVEL

1 METER	4 METER	7 METER	10 METER
75 dB(A)	66,5 dB(A)	62 dB(A)	60 dB(A)

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ENGINE TECHNICAL DATA

ENGINE TECHNICAL DATA		PRIME
Engine output	kW	14,5
Engine type		MITSUBISHI - S4L2
Engine size		4-Cylinder; in-line
Injection system		Inline diesel injection pump
Rotational-speed range	rpm	1500
Boke | Stroke	mm	78 | 92
Cooling system		water + air
Speed regulation		mechanical
Compression ratio		22:1
Displacement	l	1,76
Engine w/o cooling system	kg	160

FUEL SYSTEM

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME	l/h	1,9	2,6	3,45	4,4

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	65
Exhaust gas flow	m^3/h	234

LUBRICATION SYSTEM

Oil type		RID 10W40
Oil filter type		replaceable element
Total oil volume	l	6,0

COOLING SYSTEM

Cooling system		water + air
Cooling system capacity *(Engine)*	l	2,5
Fan power consumption	kW	0,6

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m^3/h	87
max. intake depression	mbar	19,6

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ALTERNATOR DATA

Alternator Model		Linz E1X13M F/4	Leroy - Somer TAL 040 D
Generator type		synchronous	
Insulation Class		H	
Regulation Type		AVR	
Control System		self excited	
Execution		brushless	
Protection class		IP 23	
Stator Winding		Double layer with auxiliary winding	
Rotor Winding		with damping cage	
Winding Pitch		2/3	
THD at full load		<3%	<5%
Overspeed	rpm	2250	
Air Flow Requirement	m^3/h	270	216
References		EN60034-1 ISO8528-3 EN55011	

CERTIFICATIONS AND NORMS

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

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CONTROL PANEL

~ RID 2000 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, kVAr, 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 programmation	77 alarms	available
protocols	GSM, Ethernet, Modbus, Canbus, RID protocol	available

REMOTE MONITORING FUNCTIONS

mains voltage L1, L2, L3	in V, AC	available
generator voltage L1, L2, L3	in V, AC	available
genset battery voltage DC	in V, DC	available
mains power total	in kW,	available
generator power total	in kW,	available
mains frequency	in Hz	available
generator frequency	in Hz	available
current L1, L2, L3	in A,	available
power L1, L2, L3	in kW,	available

engine temperature	in °C,	optional
enviroment temperature	in °C,	optional
generator run hours	in h,	available
generator maintanace hours	in h,	available
fuel level	in L,	available
load on mains	indication	available
load on generator	indication	available
mains supply	indication	available
generator supply	indication	available

SPECIFIC ALARMS

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

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