

DATASHEET



RID 20 E-SERIES S RENTAL

DIESEL GENERATOR 20 KVA

symbolic image



Power rating

Output power	
Power	20 kVA 16 kW
Current	28 A 23 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number	712240	
Alternator model	Linz SLT18 MD	LeroySomer TAL 040 F
Engine type	MITSUBISHI - S4L2	
Generator type	synchronous	
Control panel	RID 3000-A	
CE certified in accordance with Machinery Directive 2006/42/EC		

Dimensions and weights Generator

	Length (L)	Width (W)	Height (H)	Weight	Tank
Dimensions	2020 mm	980 mm	1635 mm	655 kg	170 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Noise level	66 dB(A)	63 dB(A)	59 dB(A)	57 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	2,45 l/h	3,5 l/h	4,7 l/h	6,4 l/h

Engine technical data

Engine output	22 kW
Engine type	mitsubishi - S4L2
Engine size	4-Cylinder, in-line
Rotational-speed range	1500 u/min
Speed regulation	mechanical
Displacement	2,5 l
Engine w/o cooling system	195 kg

Alternator data

Alternator model	Linz SLT18 MD	LeroySomer TAL 040 F
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	330 m ³ /h	216 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	-
Exhaust gas flow	270 m ³ /h
Max. exhaust back pressure	66,7 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W40
Oil filter type	replaceable element
Total oil volume	6,5 l
Max. oil temperature	-

Engine cooling

Cooling system	water + air
Cooling system capacity	4 l
Fan power consumption	0,7 kW
Cooling air flow	-

Controller RID 3000-A



Functions

Current	Battery voltage	Operating hours counter
Frequency	Power (kVA-kW)	Rotational-speed range
Voltage	Power factor Cosp.	Fuel level (%)

Commands and other

- Four operating modes: OFF - Manual Start - Automatic Start - Automatic Test
- Push button to force the mains contactor or the generator contactor
- Push buttons: Start/Stop, Error Reset, Up/Down/Side Selection/Enter
- Remote start possible
- Audible alarm
- Protective functions with shutdown
- Engine protection: low fuel level, low oil pressure, high engine temperature
- Generator protection: undervoltage/overvoltage, overload, battery undervoltage/overvoltage, battery charger failure
- Protocols: GSM, Ethernet, Modbus, Canbus