

DATASHEET



RID 20 E-SERIES DIESEL GENERATOR 20 KVA



symbolic image



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symbolic image



Power rating

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

Product overview

Order number open	712206	
Order number closed	712207	
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
Open	1500 mm	752 mm	1150 mm	470 kg	110 l
Closed	1500 mm	782 mm	1246 mm	630 kg	110 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	89 dB(A)	87 dB(A)	84 dB(A)	81 dB(A)
Closed	72,5 dB(A)	66 dB(A)	62 dB(A)	59 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	20,3 kW
Engine type	mitsubishi – S4L2
Engine size	4-Zylinder, 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 m³/h	216 m³/h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	-
Exhaust gas flow	270 m³/h
Max. exhaust back pressure	66,7 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	6,5 l
Max. oil temperature	135 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	4,0 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 Cosφ.	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