

DATASHEET

RID 40 E-SERIES DIESEL GENERATOR 40 KVA



symbolic image



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symbolic image



Our power generators are constantly being further developed. For this reason, the illustrations and technical data of the generators may be subject to change. RID GmbH assumes no responsibility for possible printing errors. Issued 01 august 2024.

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Power rating

Output power	
Power	40 kVA 32 kW
Current	57,7 A 46,1 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713679	
Order number closed	713681	
Alternator model	Linz PRO18M E/4	LeroySomer TAL 042 E
Engine type	MITSUBISHI - S4S-DT	
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	1262 mm	690 kg	150 l
Closed	1800 mm	940 mm	1310 mm	900 kg	230 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	76,5 dB(A)	71,5 dB(A)	66,5 dB(A)	63 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	3,0 l/h	5,1 l/h	7,5 l/h	9,7 l/h

Engine technical data

Engine output	36,8 kW
Engine type	MITSUBISHI - S4S-DT
Engine size	4-Cylinder
Rotational-speed range	1500 u/min
Speed regulation	mechanical
Displacement	3,33 l
Engine w/o cooling system	250 kg

Alternator data

Alternator model	Linz PRO18M E/4	LeroySomer TAL 042 E
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	588 m³/h	360 m³/h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	-
Exhaust gas flow	474 m³/h
Max. exhaust back pressure	67,0 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	10 l
Max. oil temperature	-

Engine cooling

Cooling system	water + air
Cooling system capacity	5,5 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