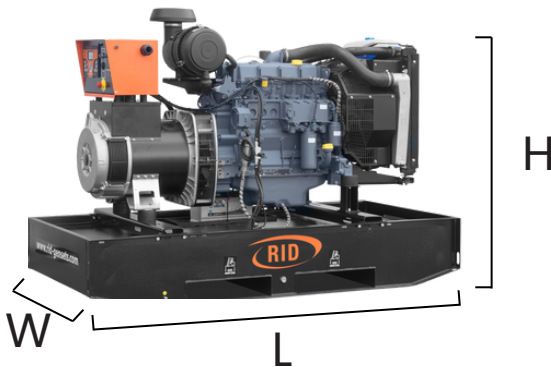


DATASHEET

RID 100 S-SERIES DIESEL GENERATOR 100 KVA



symbolic image



RID 100 S-SERIES S DIESEL GENERATOR 100 KVA



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.

RID GmbH | www.rid-international.com | phone: +49 (0) 7266 91347-0

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Power rating

Output power	
Power	100 kVA 80 kW
Current	144,3 A 115,4 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713481	
Order number closed	713482	
Alternator model	Linz PRO22S D/4	LeroySomer TAL 044 D
Engine type	DEUTZ BF4M1013EC	
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	2250 mm	1124 mm	1600 mm	1200 kg	400 l
Closed	2800 mm	1230 mm	1875 mm	1600 kg	400 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	84 dB(A)	83 dB(A)	82 dB(A)	81 dB(A)
Closed	77 dB(A)	72 dB(A)	69 dB(A)	67 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	6,9 l/h	12,4 l/h	18,4 l/h	24,6 l/h

Engine technical data

Engine output	97 kW
Engine type	DEUTZ BF4M1013EC
Engine size	4-Cylinder, in-line
Rotational-speed range	1500 u/min
Speed regulation	mechanical
Displacement	4,8 l
Engine w/o cooling system	526 kg

Alternator data

Alternator model	Linz PRO22S D/4	LeroySomer TAL 044 D
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	1074 m ³ /h	1044 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	560 °C
Exhaust gas flow	1102 m³/h
Max. exhaust back pressure	30 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	11 l
Max. oil temperature	130 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	19,7 l
Fan power consumption	5,9 kW
Cooling air flow	6100 m³/h

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