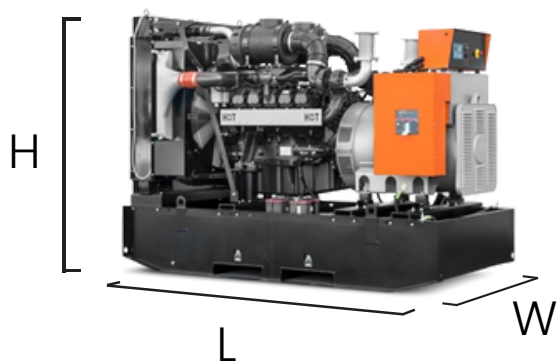


DATASHEET

RID 1000 E-SERIES DIESEL GENERATOR 1000 KVA



symbolic image



RID 1000 E-SERIES S DIESEL GENERATOR 1000 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.

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Power rating

Output power	
Power	1000 kVA 800 kW
Current	1443,3 A / 1154,7 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713176	
Order number closed	713177	
Alternator model	Linz PRO40S B/4	LeroySomer TAL 049 E
Engine type	MITSUBISHI – S12H-PTA	
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	4300 mm	2050 mm	2400 mm	9230 kg	bis zu 1000 l
Closed	6000 mm	2400 mm	2900 mm	11900 kg	bis zu 1000 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	106 dB(A)	104 dB(A)	102 dB(A)	98 dB(A)
Closed	80,5 dB(A)	75,5 dB(A)	72 dB(A)	70 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	-	116 l/h	166 l/h	216 l/h

Engine technical data

Engine output	930 kW
Engine type	MITSUBISHI – S12H-PTA
Engine size	12-Cylinder
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	37,11 l
Engine w/o cooling system	4450 kg

Alternator data

Alternator model	Linz PRO40S B/4	LeroySomer TAL 049 E
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	5640 m ³ /h	3600 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	795 °C
Exhaust gas flow	12060 m³/h
Max. exhaust back pressure	58,8 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	200 l
Max. oil temperature	-

Engine cooling

Cooling system	water + air
Cooling system capacity	100 l
Fan power consumption	40 kW
Cooling air flow	108000 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