

DATASHEET

RID 1400 E-SERIES DIESEL GENERATOR 1400 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	1400 kVA 1120 kW
Current	2020 A 1616 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713180
Order number closed	713181
Alternator model	LeroySomer LSA 50.2 L8
Engine type	MITSUBISHI - S12R-PTA2
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	4500 mm	2100 mm	2400 mm	11000 kg	1000 l
Closed	8000 mm	2700 mm	2900 mm	13900 kg	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	79,5 dB(A)	75 dB(A)	72 dB(A)	70 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	-	154,0 l/h	211,4 l/h	280,0 l/h

Motor Daten

Engine output	1315 kW
Engine type	MITSUBISHI - S12R-PTA2
Engine size	12-Cylinder
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	49,3 l
Engine w/o cooling system	5350 kg

Alternator data

Alternator model	LeroySomer LSA 50.2 L8
Insulation Class	H
Regulation type	AVR
Protection class	IP 23
Airflow Requirement	6480 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	- °C
Exhaust gas flow	14100 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	180 l
Max. oil temperature	- °C

Engine cooling

Cooling system	water + air
Cooling system capacity	125 l
Fan power consumption	30 kW
Cooling air flow	99000 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