

DATASHEET

RID 1700 E-SERIES DIESEL GENERATOR 1700 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	1700 kVA 1360 kW
Current	2453,7 A / 1962,9 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713593
Order number closed	713594
Alternator model	Leroy-Somer LSA 52.3 S6
Engine type	MITSUBISHI – S16R-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	5060 mm	2260 mm	2790 mm	14450 kg	1000 l
Closed	12192 mm	2438 mm	2591 mm	17500 kg	1000 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	109 dB(A)	107 dB(A)	105 dB(A)	101 dB(A)
Closed	81 dB(A)	76 dB(A)	73 dB(A)	71 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	108 l/h	183 l/h	260 l/h	375 l/h

Engine technical data

Engine output	1480 kW
Engine type	MITSUBISHI – S16R-PTA
Engine size	16-Cylinder
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	65,37 l
Engine w/o cooling system	6900

Alternator data

Alternator model	Leroy-Somer LSA 52.3 S5
Insulation Class	H
Regulation type	AVR
Execution	–
Protection class	IP 23
Airflow Requirement	9000 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	-
Exhaust gas flow	18540 m ³ /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	230 l
Max. oil temperature	-

Engine cooling

Cooling system	water + air
Cooling system capacity	170 l
Fan power consumption	30 kW
Cooling air flow	117000 m ³ /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