

DATASHEET

RID 1900 E-SERIES

DIESEL GENERATOR 1900 KVA



symbolic image



RID 1900 E-SERIES S

DIESEL STROMERZEUGER 1900 KVA



symbolic image



Power rating

Output power	
Power	1900 kVA 1520 kW
Current	2742,4 A / 2193,9 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713595
Order number closed	713596
Alternator model	Leroy-Somer LSA 52.3 S6
Engine type	MITSUBISHI - S16R-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	5060 mm	2260 mm	2790 mm	15000 kg	bis zu 1000 l
Closed	12192 mm	2438 mm	2591 mm	18800 kg	bis zu 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	1630 kW
Engine type	MITSUBISHI – S16R-PTA2
Engine size	16-Cylinder
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	65,37 l
Engine w/o cooling system	7050 l

Alternator data

Alternator model	Leroy-Somer LSA 52.3 S6
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	20580 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	230 l
Max. oil temperature	-

Engine cooling

Cooling system	water + air
Cooling system capacity	170 l
Fan power consumption	50 kW
Cooling air flow	122400 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