

DATASHEET

RID 900 B-SERIES DIESEL GENERATOR 900 KVA



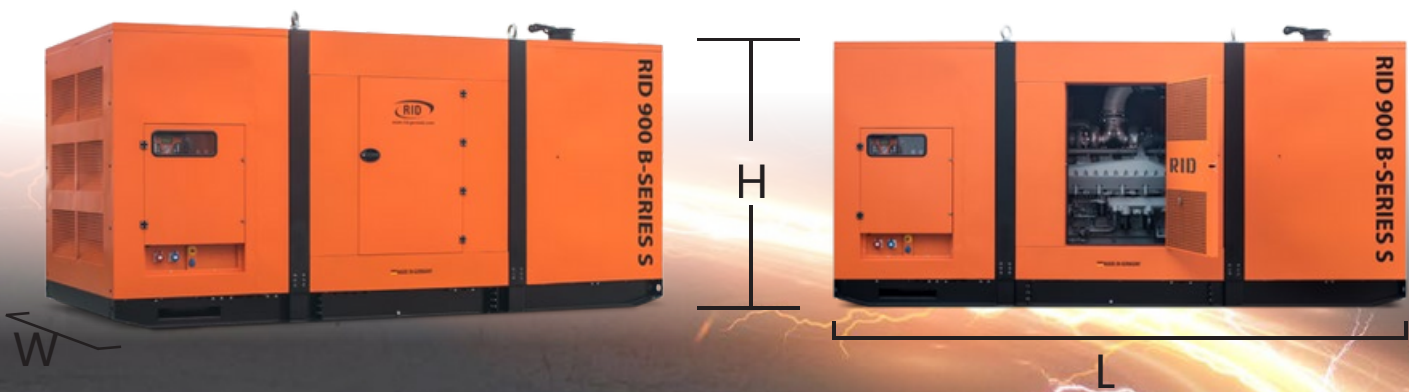
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RID 900 B-SERIES S DIESEL GENERATOR 900 KVA



symbolic image



Power rating

Output power	
Power	900 kVA 720 kW
Current	1299,0 A 1039,2 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	712098	
Order number closed	712099	
Alternator model	Linz PRO40S A/4	LeroySomer TAL 049 D
Engine type	Hyundai DP222CC	
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	2000 mm	2200 mm	7700 kg	1000 l
Closed	6000 mm	2700 mm	2900 mm	10900 kg	1000 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	97 dB(A)	95 dB(A)	92 dB(A)	88 dB(A)
Closed	82 dB(A)	79 dB(A)	76 dB(A)	74 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	62,0 l/h	102,0 l/h	147,0 l/h	190,0 l/h

Engine technical data

Engine output	790 kW
Engine type	Hyundai - DP222CC
Engine size	12-Cylinder, V
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	21,927 l
Engine w/o cooling system	1678 kg

Alternator data

Alternator model	Linz PRO40S A/4	LeroySomer TAL 049 D
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	530 °C
Exhaust gas flow	8040 m³/h
Max. exhaust back pressure	59 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	75 l
Max. oil temperature	120 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	66 l
Fan power consumption	21 kW
Cooling air flow	75960 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