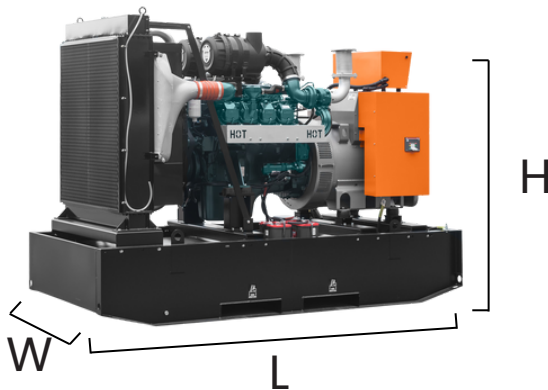


DATASHEET

RID 500 B-SERIES DIESEL GENERATOR 500 KVA



symbolic image



RID 500 B-SERIES S DIESEL GENERATOR 500 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	500 kVA 400 kW
Current	721,6 A 577,3 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713716	
Order number closed	713717	
Alternator model	Linz PRO35S C/4	LeroySomer TAL0473C
Engine type	Hyundai DP158 LD	
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	3050 mm	1420 mm	2300 mm	4300 kg	1000 l
Closed	4000 mm	1940 mm	2425 mm	5100 kg	1000 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	87 dB(A)	86,5 dB(A)	85,2 dB(A)	83,8 dB(A)
Closed	79 dB(A)	75 dB(A)	71 dB(A)	70 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	30,3 l/h	55,1 l/h	83,4 l/h	115,1 l/h

Engine technical data

Engine output	464 kW
Engine type	Hyundai DP158 LD
Engine size	8-Cylinder
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	15,9 l
Engine w/o cooling system	1060 kg

Alternator data

Alternator model	Linz PRO35S C/4	LeroySomer TAL0473C
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	-	-

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	560 °C
Exhaust gas flow	5400 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	22 l
Max. oil temperature	120 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	79 l
Fan power consumption	16 kW
Cooling air flow	42000 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