

DATASHEET

RID 500 S-SERIES DIESEL GENERATOR 500 KVA



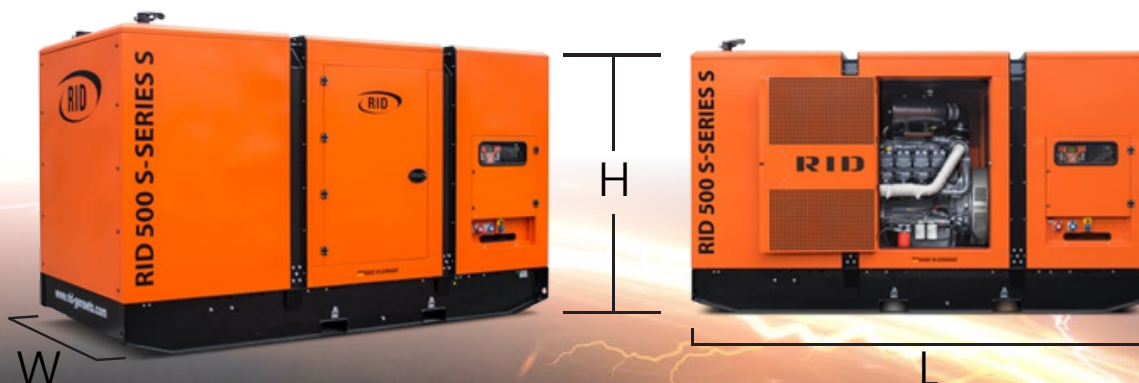
symbolic image



RID 500 S-SERIES S DIESEL GENERATOR 500 KVA



symbolic image



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	713403	
Order number closed	713404	
Alternator model	Linz PRO35S C/4	LeroySomer TAL 047 C
Engine type	DEUTZ – BF8M1015CP G3	
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	29,5 l/h	56,1 l/h	84,9 l/h	118,0 l/h

Engine technical data

Engine output	448 kW
Engine type	DEUTZ - BF8M1015C G2
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 TAL 047 C
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	3264 m ³ /h	3240 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	560 °C
Exhaust gas flow	5357 m ³ /h
Max. exhaust back pressure	50 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	43 l
Max. oil temperature	130 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	116 l
Fan power consumption	15,4 kW
Cooling air flow	29880 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