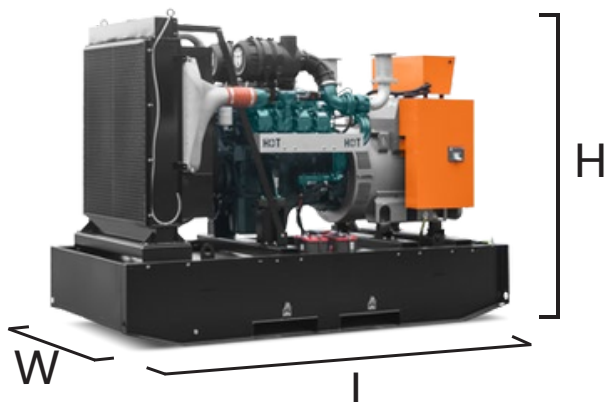


DATASHEET

RID 550 B-SERIES DIESEL GENERATOR 550 KVA



symbolic image



RID 550 B-SERIES S DIESEL GENERATOR 550 KVA



symbolic image



Power rating

Output power	
Power	550 kVA 440 kW
Current	793,8 A 635,0 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number open	713750	
Order number closed	713751	
Alternator model	Linz PRO35S D/4	LeroySomer TAL 047 D
Engine type	Hyundai DP180LA	
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	2168 mm	3850 kg	1000 l
Closed	4000 mm	1940 mm	2383 mm	5300 kg	1000 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Open	84 dB(A)	83 dB(A)	82 dB(A)	81 dB(A)
Closed	81 dB(A)	76,5 dB(A)	73 dB(A)	72 dB(A)

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	35,4 l/h	64,8 l/h	94,2 l/h	123,6 l/h

Engine technical data

Engine output	502 kW
Engine type	Hyundai DP180LA
Engine size	10-Cylinder, V
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	18,3 l
Engine w/o cooling system	1250 kg

Alternator data

Alternator model	Linz PRO35S D/4	LeroySomer TAL 047 D
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	3258 m ³ /h	3240 m ³ /h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	540 °C
Exhaust gas flow	5760 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	34 l
Max. oil temperature	120 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	91 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