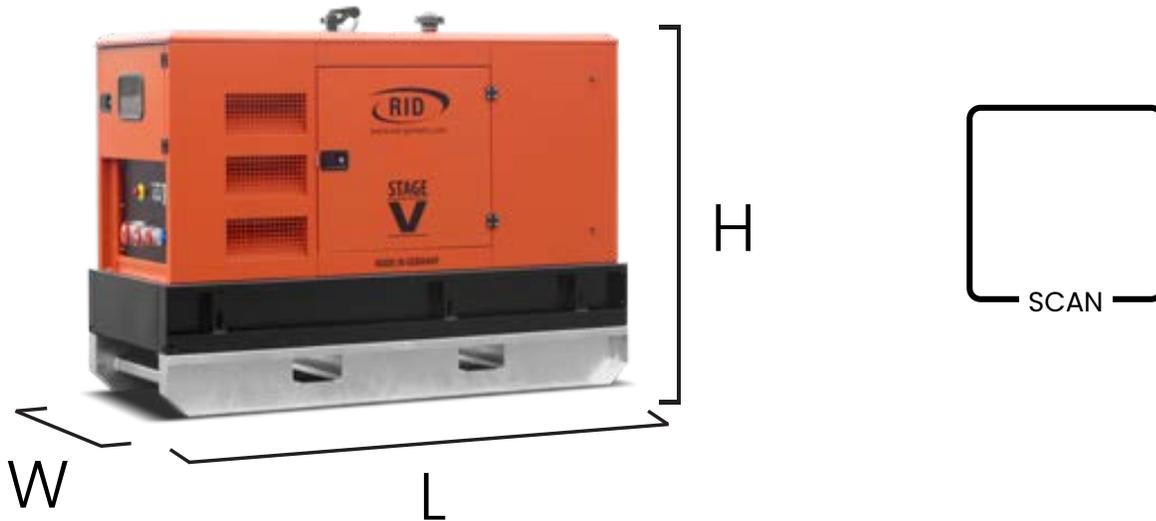


# DATASHEET



## RID 100 J-SERIES S RENTAL DIESEL GENERATOR 100 KVA

*symbolic image*



## Power rating

Output power	
Power	100 kVA   80 kW
Current	144 A   115 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos $\varphi$

## Product overview

Order number closed	714222	
Alternator model	Linz PRO22S D/4	LeroySomer TAL 044 D
Engine type	John Deere - 4045HG551	
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
Dimensions	3035 mm	1325 mm	2165 mm	2050 kg	285 l

### Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Noise level	80,1 dB(A)	73,5 dB(A)	69,0 dB(A)	66,4 dB(A)

### Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	7,5 l/h	12,5 l/h	18,3 l/h	24,3 l/h

### Engine technical data

Engine output	103 kW
Engine type	John Deere - 4045HG551
Engine size	4-Cylinder, in-line
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	4,5 l
Engine w/o cooling system	506 kg

### Alternator data

Alternator model	Linz PRO22S D/4	LeroySomer TAL 044 D
Insulation Class	H	
Regulation type	AVR	
Execution	brushless	
Protection class	IP 23	
Airflow Requirement	1074 m <sup>3</sup> /h	1044 m <sup>3</sup> /h

## Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	523 °C
Exhaust gas flow	-
Max. exhaust back pressure	190 mbar
Air filter type	replaceable element

### Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	14,7 l
Max. oil temperature	138 °C

### Engine cooling

Cooling system	water + air
Cooling system capacity	8,5 l
Fan power consumption	-
Cooling air flow	-

# Controller RID 3000-A



## Functions

Current	Battery voltage	Operating hours counter
Frequency	Power (kVA-kW)	Rotational-speed range
Voltage	Power factor Cosp.	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