

# DATASHEET

## RID 130 S-SERIES DIESEL GENERATOR 130 KVA



*symbolic image*



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*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        | 130 kVA   104 kW  |
| Current      | 187,6 A   150,1 A |
| Voltage      | 230 / 400 V       |
| Frequency    | 50 Hz             |
| Power factor | 0,8 cos $\varphi$ |

## Product overview

|                                                                |                  |                      |
|----------------------------------------------------------------|------------------|----------------------|
| Order number open                                              | 713485           |                      |
| Order number closed                                            | 713486           |                      |
| Alternator model                                               | Linz PRO22M E/4  | LeroySomer TAL 044 H |
| Engine type                                                    | DEUTZ BF4M1013FC |                      |
| 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   | 2250 mm    | 1124 mm   | 1600 mm    | 1450 kg | 400 l |
| Closed | 2800 mm    | 1230 mm   | 1875 mm    | 1970 kg | 400 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 | 79,3 dB(A) | 74,8 dB(A) | 71,4 dB(A) | 69 dB(A) |

### Fuel consumption

|             | 25% load | 50% load | 75% load | 100% load |
|-------------|----------|----------|----------|-----------|
| Consumption | 7,7 l/h  | 14,3 l/h | 21,3 l/h | 29,4 l/h  |

### Engine technical data

|                           |                  |
|---------------------------|------------------|
| Engine output             | 117 kW           |
| Engine type               | DEUTZ BF4M1013FC |
| Engine size               | 4-Cylinder       |
| Rotational-speed range    | 1500 u/min       |
| Speed regulation          | electricial      |
| Displacement              | 4,8 l            |
| Engine w/o cooling system | 526 kg           |

### Alternator data

|                     |                        |                        |
|---------------------|------------------------|------------------------|
| Alternator model    | Linz PRO22M E/4        | LeroySomer TAL 044 H   |
| 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 | 530 °C              |
| Exhaust gas flow             | 1389 m³/h           |
| Max. exhaust back pressure   | 30 mbar             |
| Air filter type              | replaceable element |

## Engine lubrication

|                      |                     |
|----------------------|---------------------|
| Oil type             | RID 10W30           |
| Oil filter type      | replaceable element |
| Total oil volume     | 11 l                |
| Max. oil temperature | 130 °C              |

## Engine cooling

|                         |             |
|-------------------------|-------------|
| Cooling system          | water + air |
| Cooling system capacity | 19,7 l      |
| Fan power consumption   | 5,0 kW      |
| Cooling air flow        | 9000 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