

DATASHEET



RID 30 B-SERIES S RENTAL DIESEL GENERATOR 30 KVA

symbolic image



Power rating

| Output power | |
|--------------|-------------------|
| Power | 30 kVA 24 kW |
| Current | 43,3 A 34,6 A |
| Voltage | 230 / 400 V |
| Frequency | 50 Hz |
| Power factor | 0,8 cos φ |

Product overview

| | | |
|--|-------------------------|----------------------|
| Order number | 712231 | |
| Alternator model | Linz PRO18S C/4 | LeroySomer TAL 042 C |
| Engine type | Hyundai DM01VP (StageV) | |
| 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 | 2366 mm | 940 mm | 1780 mm | 1100 kg | 200 l |

Noise level

| | 1 Meter | 4 Meter | 7 Meter | 10 Meter |
|-------------|------------|------------|------------|------------|
| Noise level | 69,4 dB(A) | 63,7 dB(A) | 59,5 dB(A) | 57,4 dB(A) |

Fuel consumption

| | 25% load | 50% load | 75% load | 100% load |
|-------------|----------|----------|----------|-----------|
| Consumption | 2,2 l/h | 3,8 l/h | 5,6 l/h | 7,4 l/h |

Engine technical data

| | |
|---------------------------|-------------------------|
| Engine output | 29,6 kW |
| Engine type | Hyundai DM01VP (StageV) |
| Engine size | 3-Cylinder, in-line |
| Rotational-speed range | 1500 u/min |
| Speed regulation | electricial |
| Displacement | 1,794 l |
| Engine w/o cooling system | 238 kg |

Alternator data

| | | |
|---------------------|-----------------------|-----------------------|
| Alternator model | Linz PRO18S C/4 | LeroySomer TAL 042 C |
| Insulation Class | H | |
| Regulation type | AVR | |
| Execution | brushless | |
| Protection class | IP 23 | |
| Airflow Requirement | 588 m ³ /h | 360 m ³ /h |

Intake and exhaust system

| | |
|------------------------------|---------------------|
| Silencer type | industrial |
| Max. exhaust gas temperature | 504 °C |
| Exhaust gas flow | - |
| Max. exhaust back pressure | 100 mbar |
| Air filter type | replaceable element |

Engine lubrication

| | |
|----------------------|---------------------|
| Oil type | RID 10W30 |
| Oil filter type | replaceable element |
| Total oil volume | 6,3 l |
| Max. oil temperature | 135 °C |

Engine cooling

| | |
|-------------------------|-------------|
| Cooling system | water + air |
| Cooling system capacity | 8,4 l |
| Fan power consumption | 2,2 kW |
| 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