

# DATASHEET

## RID 1500 E-SERIES DIESEL GENERATOR 1500 KVA



*symbolic image*



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*symbolic image*



## Power rating

| Output power |                     |
|--------------|---------------------|
| Power        | 1500 kVA   1200 kW  |
| Current      | 2165,0 A / 1732,0 A |
| Voltage      | 230 / 400 V         |
| Frequency    | 50 Hz               |
| Power factor | 0,8 cos $\varphi$   |

## Product overview

|                                                                |                         |
|----------------------------------------------------------------|-------------------------|
| Order number open                                              | 713182                  |
| Order number closed                                            | 713183                  |
| Alternator model                                               | Leroy Somer LSA 50.2 L8 |
| Engine type                                                    | MITSUBISHI - S12R-PTAA2 |
| 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   | 5300 mm    | 2100 mm   | 2600 mm    | 11900 kg | 1000 l |
| Closed | 8000 mm    | 2400 mm   | 2900 mm    | 14200 kg | 1000 l |

### Noise level

|        | 1 Meter    | 4 Meter    | 7 Meter   | 10 Meter |
|--------|------------|------------|-----------|----------|
| Open   | 106 dB(A)  | 104 dB(A)  | 102 dB(A) | 98 dB(A) |
| Closed | 80,5 dB(A) | 75,5 dB(A) | 72 dB(A)  | 70 dB(A) |

### Fuel consumption

|             | 25% load | 50% load | 75% load  | 100% load |
|-------------|----------|----------|-----------|-----------|
| Consumption | -        | 163 l/h  | 231,7 l/h | 308,9 l/h |

### Engine technical data

|                           |                         |
|---------------------------|-------------------------|
| Engine output             | 1314 kW                 |
| Engine type               | MITSUBISHI - S12R-PTAA2 |
| Engine size               | 12-Cylinder             |
| Rotational-speed range    | 1500 u/min              |
| Speed regulation          | electricial             |
| Displacement              | 49,03 l                 |
| Engine w/o cooling system | 5830 kg                 |

### Alternator data

|                     |                         |
|---------------------|-------------------------|
| Alternator model    | Leroy Somer LSA 50.2 L8 |
| Insulation Class    | H                       |
| Regulation type     | AVR                     |
| Execution           | -                       |
| Protection class    | IP 23                   |
| Airflow Requirement | 6480 m <sup>3</sup> /h  |

## Intake and exhaust system

|                              |                     |
|------------------------------|---------------------|
| Silencer type                | industrial          |
| Max. exhaust gas temperature | -                   |
| Exhaust gas flow             | 18720 m³/h          |
| Max. exhaust back pressure   | 58,8 mbar           |
| Air filter type              | replaceable element |

## Engine lubrication

|                      |                     |
|----------------------|---------------------|
| Oil type             | RID 10W30           |
| Oil filter type      | replaceable element |
| Total oil volume     | 180 l               |
| Max. oil temperature | -                   |

## Engine cooling

|                         |             |
|-------------------------|-------------|
| Cooling system          | water + air |
| Cooling system capacity | 202 l       |
| Fan power consumption   | 40 kW       |
| Cooling air flow        | 108000 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