



Power Generators

Powerful tools for fire departments.

Powerful, light, and easier to operate than ever before.

 **rosenbauer**

RS 14 power generators

More power in fire fighting operations.

Ready for operation. Always and everywhere.

The RS 14 series power generators combine powerful performance with a modern operating concept. Whether day or night, in heat or cold, mountains or valleys, the RS 14 and RS 14 SUPER SILENT power generators always ensure an optimal supply of power anywhere.

The power generators of the RS 14 series are always ready for operation anywhere. Even in extremely high ambient temperatures that can easily cause the instrument and fuel to overheat, the RS 14 power generator proves its resilience and endurance. They always perform reliably. It is precisely what makes it an indispensable tool in fire fighting operations.



Maximum resilience. Optimized for heavy starters.

The RS 14 power generators from Rosenbauer are the absolute power packs for fire fighting operations. These power generators and generator governors not only handle maximum loads, but are also oriented toward the operation of heavy starters unlike any other unit on the market. They allow firefighters to simultaneously operate devices with longer start-up times without problems (e.g., multiple submersible pumps at the same time). Firefighters have the security of being able to fully rely on the smooth operation of their instruments during an operation. Furthermore, operations are quick and efficient.

Lighter than ever before.

Another highlight: the RS 14 power generators are lighter than ever before. The new models are 6 kg lighter than previous versions. The low weight and compact size make it easy to load into the vehicle while also saving space for additional equipment. The power generator's low weight makes it easy to lift and carry. Therefore, the RS 14 series is and will remain the lightest generator series of the 14 kVA performance class.



Powerful fuel-injection engine.



Impact-resistant glass-fiber reinforced plastic while still being low weight.

Performance and functionality in every detail

Tried and tested components make the RS 14 power generators what they are. Solid power packs, essential in fire fighting operations.

- Reliable and powerful fuel-injection engine with many advantages: automatic height compensation, precise speed regulation, safe hot charge, optimised consumption and uninterrupted CAN communication
- Extremely powerful synchronous generator and generator governor for high starting currents
- Powerful and low-maintenance battery
- Easily accessible circuit breakers

Modern and with even more information.

The operating concept of the RS 14 power generator.

One operating concept for everything.

It is simple, but with a significantly higher information content. It is completely new, yet entirely familiar to firefighters. The digital control display delivers detailed information about utilization, voltage, and fuel level. Designed aesthetically in typical Rosenbauer fashion, the display makes intuitive, uniform and thus simple operation even easier, from portable fire pumps and ATs to power generators.

The new display. What it is and what it does.

Digital indicator:

The digital display is modern, intuitive and more flexible.

Four main screens:

main image, detail view, expert view, and service view not only deliver much more information than ever before. They are also easy to understand and perfectly legible for the user.

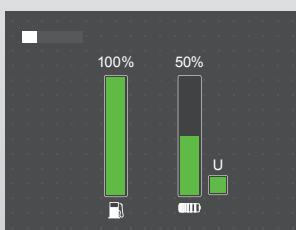
Improved error and message display:

errors are displayed with standardized messages.



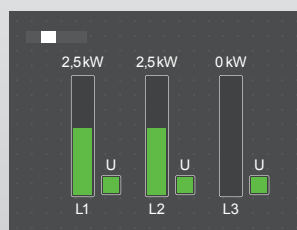


■ The display views in detail.

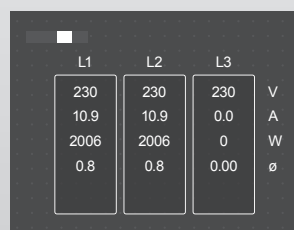


The **main image** provides the most important information at a glance:

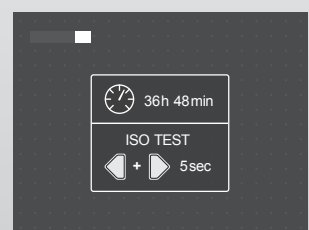
- Fuel level
- Total utilization
- Voltage in permissible range (green = ok, red = not ok)



The **detail view** displays the load distribution, i.e., power per phase and whether the voltage is within the permissible range. This view is especially important to firefighters, because in the event of an overload they can see exactly where it exists with just the push of a button and react immediately.



The **expert view** displays the current status of the attached consumers with even more details. Voltage, power, active power, and cosine phi are broken down for each phase. What once required a separate metering device is now visible directly on the device. This makes searching for the source of an error much easier.



The **service view** displays the operating hours indicator and test routine for the insulation error.



SUPER SILENT at full output

Innovative technology ensures extremely low noise emissions without losses in performance, functionality or safety:

- Noise-optimized exhaust gas system
- Completely newly developed suction system
- Complete glass-fiber reinforced plastic housing for additional noise insulation
- LED illumination of the sockets and the tank filling area ensure additional safety when operating the power generator
- High-quality finish paired with high technical quality



The glass-fiber reinforced plastic enclosure ensures very low operating noise.



LED illumination in the refueling corner

Safe refueling made easy.

The refueling area of a power generator can be dangerous. Which is why Rosenbauer has placed so much value on a completely optimized and compact refueling corner and the perfect design of all related components.

- Low-mounted tank
- Ergonomically positioned, large filling opening (separated and low-mounted)
- Plug for external refueling set
- Safety fuel cap
- Protected tank in a high-strength aluminum carrying pan
- Greatly reduced thermal load
- LED illumination for better overview
- Optical and acoustic warnings

Economic, safe and sophisticated.

Because success is in the details.

Innovative fueling concept.

The design of the refueling concept of the RS 14 power generator is revolutionary. Until now, firefighters had to manually switch to canister operations for external refueling using a 3-way valve. This is a thing of the past now. Pressing the “External refueling” button activates a fuel pump and supplies the power generator with fuel from the canister. The advantages of this concept are obvious:

- 30% longer operation without intervention
- Simple and safe refueling during operation
- Refueling independent of the fuel tank level
- Problem-free use at high ambient temperatures

Less noise, less consumption. With ECO mode.

The ECO mode (electronic speed reduction) ensures minimal noise and lower fuel consumption. If consumers are switched off, the power generator runs at reduced speed with low noise emission. Once consumers are switched on, the motor automatically increases to the nominal speed and the full output is available immediately. ECO mode is available as an option for all RS 14 series power generators.



ECO switch available as an option



12 V plug

For small consumers: the 12 V plug

A small yet incredibly practical detail is the 12 V constant voltage source, which is standard on the front side of every RS 14 series. It is not only intended for connecting RLS1000 and RLS2000 LED lighting heads; this 12 V plug is also an additional energy source for small consumers, such as chargers.

RS 14 and RS 14 SUPER SILENT

Options and accessories.

FIRECAN – interface for remote monitoring



All RS 14 and RS 14 SUPER SILENT units are fitted as standard with an interface to keep the power generator's battery charged. This allows for the power generator to be remotely monitored, started, and stopped at any time. The connection is made via CAN-bus. Functionality with different vehicle manufacturers is ensured thanks to standardized FIRECAN compatibility.

Example functions: remote start-stop, warnings, error indicator, power decrease, fuel level.

Insulation monitoring

Serves to monitor all connected users for insulation errors and occurrence of dangerous leakage currents. The insulation monitoring measures the resistance between ground, neutral conductor, and the phase of the attached consumer. As a new standard, the ISO test key for testing the insulation monitor can be called up in service view.

Two different versions are available:

- **Not shutting down:** The warning can be acknowledged acoustically.
- **Shutting down:** The power generator shuts-down automatically in the event of an insulation fault.



A wheel set makes is ready for transport immediately.

Wheel sets are optionally available for all Rosenbauer power generators. This enables easier handling and faster transport to the scene of the emergency. Thanks to the two transport wheels, the power generator can be transported to the scene of the emergency in just seconds.



RS 14 with connection line to the object's feed device



400 V feed socket



„Direct supply - system supply“ switch

Building feed for emergency power supply

The RS 14 power generators are now incredibly easy to use for supplying emergency power to buildings. If the power fails in the event of a disaster, the double-throw „direct supply - system supply“ switch toggles the energy from the front-side sockets to the feed socket on the front face. The supplied power cord connects to the building's power outlet.

This requires:

- Power generator with integrated IT – TN mains switch (under fuse cover)
- A third 400 V supply socket positioned on the front side (color: white, position of the protective contact: 1 h)
- Includes supply cable with fault current circuit breaker, length 10 m
- Corresponds to DIN 14684 – Firefighting and fire protection - Mobile generators for the supply of electrical equipment and for the building supply



Equipped with LED

Turns night to day: RLS1000 and RLS2000

The new power generators can be optionally equipped with multi-functional RLS1000 and RLS2000 LED lighting heads. High-power LED technology for illumination of the unit and the scene: 30 high power LEDs in 6 adjustable brightness levels, with signal flashing light in 5 different colours and lamp head swiveling in all directions.

Polarity reversing switch for a 400 V CEE socket

The easily accessible pole reversing switch enables a simple change of direction of rotation of a 400 V CEE socket.

Exhaust gas deflector

In special cases, the exhaust can be deflected upwards with the aid of the exhaust gas deflector. This means the power generator can also be installed on aerial ladders and aerial rescue devices.

Exhaust gas hose with practical bracket

The flexible and galvanized metal hose with connecting parts according to DIN 14752 keeps exhaust gases away from the vehicle and operator. Two heat-insulated wooden handles make it safe to position the line even when in operation.



Exhaust gas hose

■ Additional accessories

Battery temperature monitoring

For optimum battery charging, some chargers need to transfer the battery temperature into the vehicle. This is transmitted by the FIRECAN interface. This option is mandatory for non-Rosenbauer vehicles.

Starter battery 12 V / 18 Ah

Maintenance-free for RS 14 and RS 14 SUPER SILENT.

CITY three-phase socket, 400 V CEE

Additional third three-phase socket, front-mounted.

Magcode charging socket

Technical data

General	RS 14	RS 14 SUPER SILENT
Use	Fire departments or users who require a higher level of protection	
Specifications	ÖBFV-RL ET-01 8 kVA power generator with increased performance, DIN 14685-1	
Unit		
Dimensions	820 x 440 x 580 mm (8 DIN frame)	
Weight	144 kg incl. fuel for 1.5 operating hours.	149.5 kg incl. fuel for 1.5 operating hours
Performance	Pel, 3~ = 13.6 kVA / $\cos \varphi = 0.8$ / 10.88 kW Pel, 1~ = 4.5 kVA / $\cos \varphi = 0.8$ / 3.6 kW \sum Pel, 1~ = 3 x 4.5 kVA = 13.6 kVA	
Nominal current	19.7 A 3~ / 29.6 A 1~	
Line protection	16 A 3~ / 16 A 1~	
Noise level L_{WA}	97.7 dB(A)	94.1 dB(A)
Sound pressure (4 m no-load)	77.6 dB(A)	74 dB(A)
Protection class	IP54	
Tank capacity	12.0 l	
Running time under full load	approx. 2 hours	
Paint color	RAL 3000 (red) or RAL 1012 (yellow)	
External power supply	12 V plug for vehicle connection	
Generator		
Type	Synchronous with electronic controller	
Voltage	230 / 400 V	
Voltage stability	+/- 5 %	
Frequency	50 Hz	
Power factor	$\cos \varphi = 0.8$	
Nominal current	20.3 A 3~ / 30.4 A 1~	
Engine		
Manufacturer	Briggs & Stratton Corporation, USA	
Model	23 hp Vanguard EFI	
Type	2-cylinder OHV 4-stroke gasoline engine, cool cleaner	
Control behavior	+/- 5 %	
Ignition	electronic	
Fuel	unleaded gasoline min. 91 ROZ	
Exhaust gases	meets the 2002/88 EC exhaust gas standard	
Consumption	approx. 6 l/h under full load	
Fittings	Manual pull starter, 12 V electrical starting device, battery 12 V / 18 Ah, oil pressure monitoring warning system, no shut-down, plug for external refueling	
Control box		
Fittings	2x water pressure-tight sockets 400 V 3x water pressure-tight sockets 230 V 1x alternating current circuit breakers 16 A 3-pole with neutral connector and monitoring 3x alternating current circuit breakers 16 A 1-pole with neutral connector and monitoring 1x 12 V constant voltage source 1x CAN-bus socket FIRECAN 7-pole (charge retention and remote monitoring)	
Included in scope of delivery		
Tool bag	2 spark plugs, 1 spark plug wrench, 1 screwdriver, 1 ground wire testing cord with testing tip	
User information	with CE Declaration of Conformity, spare parts list and circuit diagram	

RS 9 power generator

9 kVA in 5 DIN frame.



Especially developed for firefighters, this power generator meets all your requirements. The RS 9 combines maximum performance with the smallest dimensions and is 100% DIN 14685-1 compliant. Experience shows that a long running time and the simple handling of all operating elements are most important. The RS 9 meets these requirements perfectly.

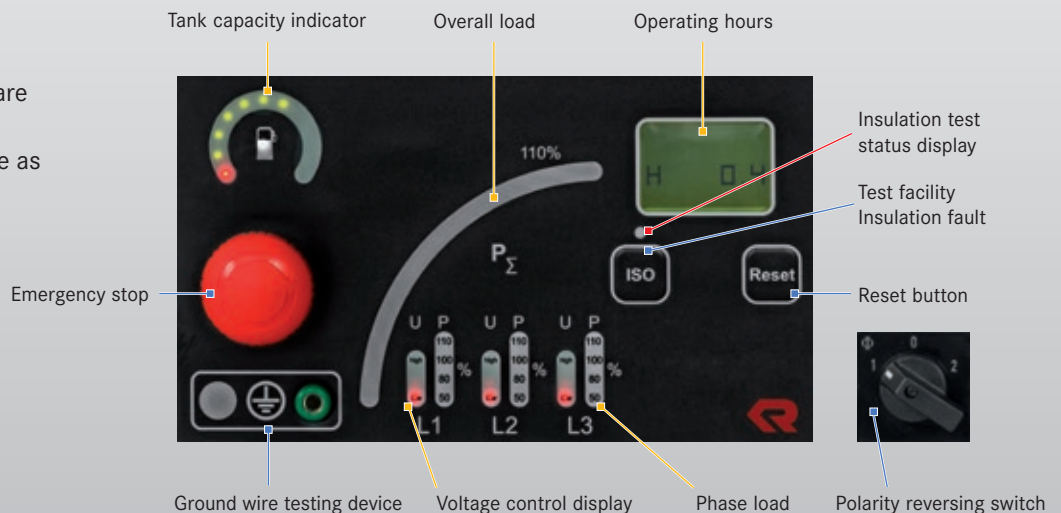
Maximum performance with minimum dimensions

- **Powerful generator:** High output power of 9 kVA 3-phase, $\cos \varphi = 0.8$
- **Small size:** The RS 9 can be housed in small DIN 5 frames.
- **Operationally safe:** High operational safety, maintenance, and service-friendly, dirt-resistant.
- **Tried and tested engine:** Air-cooled Briggs & Stratton 4-cycle industrial engine.
- **Supporting frame:** Robust tubular frame with new type of carrying frame for safe and ergonomic transport. Cold and heat insulating, slip-resistant carrying handle.

Comfortable operation

- All operating elements are arranged on the front
- Electrical starting device as standard
- Intuitive control panel – Everything in view

- Operating elements
- Warning signals
- Operating mode indicators

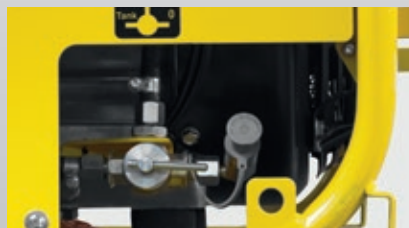


Technical data

General		RS 9
Use	Fire departments or users who require a higher level of protection	
Specifications	according to DIN 14685-1	
Unit		
Dimensions	700 x 440 x 580 mm (5 DIN frame)	
Weight	130 kg incl. tank filling	
Performance	$P_{el, 3\sim} = 9 \text{ kVA} / \cos \varphi = 0.8 / 7 \text{ kW}$ $\sum P_{el, 1\sim} = 5 \text{ kVA}$	
Noise level L_{WA}	95.3 dB(A)	
Protection class	IP 44	
Tank capacity	10.5 liters	
Running time under full load	approx. 1.5 hours at full capacity	
Paint color	RAL 3000 (red) or RAL 1012 (yellow)	
Generator		
Type	Synchronous generator with electronic controller	
Voltage	3 x 230 V / 2 x 400 V	
Voltage stability	± 1 %	
Frequency	50 Hz	
Power factor	cos φ = 0.8	
Nominal current	11.6 A 3~	
Protection class	IP 54	
Engine		
Manufacturer	Briggs & Stratton Corporation, USA	
Model	16 hp Vanguard	
Type	2-cylinder OHV 4-stroke gasoline engine	
Performance	10.6 kW at 3.000 rpm (DIN 6271 B)	
Control behavior	± 5 %	
Ignition	electronic	
Fuel	unleaded gasoline min. 91 ROZ	
Exhaust gases	the engine complies with USA exhaust gas standard CARB 94	
Consumption	approx. 4.2 l/h	
Fittings	Manual pull starter, 12 V electrical starting device	
Control box		
Equipment	2 water pressure-tight three-phase sockets CEE 16 A, 400 V, 3 water pressure-tight earthed sockets CEE 16 A, 230 V, 1 alternating current circuit breaker 16 A 3-pole with neutral line, 3 alternating current circuit breakers 16 A 1-pole with neutral line, 1 control panel with indicators for tank contents, load, voltage and faults, ground wire testing device, emergency stop button, start/stop switch, charging socket	
Accessories		
1 Tool bag	1 Spark plug wrench, 1 ground wire testing cord with testing tip, 2 spark plugs	
1 Operating instructions	with circuit diagram, spare parts list and Declaration of Conformity	



Insulated carrying system for increased wearing comfort



3-way fuel tap for continuous operation

Power Generators

Powerful tools for fire departments.



RS 14 order data

319642-001	RS 14
319606-001	Color option red – RAL 3000
319606-002	Color option yellow – RAL 1012
319606-003	Color option lime green
319606-004	Color option white – RAL 9010
319606-005	Color option ruby red – RAL 3003

RS 14 SUPER SILENT order data

319643-001	RS 14 SUPER SILENT
319607-001	Color option red – RAL 3000
319607-002	Color option yellow – RAL 1012
319607-003	Color option lime green
319607-004	Color option white – RAL 9010
319607-005	Color option ruby red – RAL 3003

Options and accessories for RS 14 and RS 14 SUPER SILENT

319608-001	FIRECAN remote monitoring
319618-001	Remote start/stop with 5 m connection cable
319618-002	Remote start/stop with 10 m connection cable
319610-003	ECO mode (automatic speed reduction)
319609-001	Pole-changing switch for one socket, 400 V CEE
319611-001	Insulation monitoring
319611-002	Insulation monitoring (engine stop)
319616-001	Battery temperature monitoring
319613-001	CITY three-phase socket, 400 V CEE
319615-001	Magcode charging socket
871528-001	Wheel set for RS 14 and RS 14 SUPER SILENT
654425	Trolley DIN-8 frame
319614-001	Adaptor for LED lighting heads
312307E03	LED lighting head RLS1000
312307E01	LED lighting head RLS2000
319621-001	Power supply USB
319622-001	Building feed for emergency power supply

Other voltages and frequencies, special sockets and individual paint on request.

RS 9 order data

840791	RS 9 red (RAL 3000)
84059201	RS 9 yellow (RAL 1012)

Options and accessories for RS 9

84061502	FIRECAN remote monitoring
84061501	ROSENBAUER remote monitoring
840612	Pole-reversing switch for a socket, 400 V CEE
84061301	Insulation monitoring shutting down
840613	Insulation monitoring with test function
840614	Nato socket
840648	Magcode charging socket
840639	RAL special paint
871528-002	Wheel set for RS 9

Accessories for all power generators

319617-001	RS 14 and RS 14 SUPER SILENT exhaust gas deflector
847521-001	RS 9 exhaust gas deflector
575079-001	Exhaust adapter For lateral deflection of the exhaust gas
567978-001	Refueling set for 3-way fuel tap 1.5 m long hose with bayonet catch for canister operation
651103	Fuel canister, red, capacity: 20 l
651300	Filler neck with flexible hose (300 mm long) for fuel canister
654400	Exhaust gas hose Diameter: 55 mm, length: 1.5 m
544561-001	Holder for exhaust gas hose
315890	Socket distributor 400 V
538272	Starter battery 12 V / 18 Ah