



# POWER GENERATOR

- Safety
- Function
- High-performance
- FireCAN-interface

 **rosenbauer**

# RS 14 and RS 14 SUPER SILENT

## RS 14 – Safety first!

The RS 14 series generators (RS 14 and RS 14 SUPER SILENT) set new standards with regard to functionality, performance and above all safety! The RS 14 SUPER SILENT extends the RS 14 range. It is one of the most powerful generators in its class.



### Increased safety

- low-mounted tank
- ergonomically positioned, large filling opening (separated, low risk during filling and refilling)
- safety tank lock
- protected tank in a high-strength aluminium frame
- greatly reduced thermal impact
- optical and acoustic warnings

# Operating surface

## Innovative, multi functional operating surface



- optical and acoustic warning and safety indicators, e.g.: engine temperature, fuel temperature, etc.
- operational hour counter with integrated fault code display
- power display and phase load indicator of every individual phase
- phase and voltage control of every individual phase
- tank gauge with reserve indicator
- earth conductor testing device
- main switch
- start button
- low noise speed reduction\*
- emergency/switch off



### Electronic speed reduction\*

The electronic speed reduction\* ensures quieter idle running. If consumers are switched off, the RS 14 runs quietly at approximately half speed. If consumers are switched on, the motor automatically switches to the rated speed and full capacity is immediately available! This means less noise, lower fuel consumption and a cut in exhaust gas emissions.

\* available as an option

### Safety first

No automatic generator shutdown in the case of an oil shortage or overload. On the basis of optical and acoustic warnings, you decide when the generator is to be turned off. This offers additional operational safety.



The RS 14 and RS 14 SUPER SILENT generators are fitted with a 3-way fuel tap as a standard equipment. This allows for continuous operation with fuel cans - another contribution towards improving safety and functionality during operations. (The fuel-filling attachment and cans are not included in the scope of delivery.)



Ergonomic, heat and cold insulated carry handles for optimum carrying properties



Maximum performance within a small frame

### RS 14 - quality, safety und functionality in every detail

- Reliable engine (Briggs & Stratton, Vanguard, Cooler Cleaner) with stainless steel exhaust for low-noise, life-long operation
- Extremely powerful synchronous generator
- Automatic choke: (Standard equipment with the RS 14 SUPER SILENT, automatic choke is optionally available for the RS 14)
- High performance materials
- Powerful and service-friendly battery
- Easily accessible circuit-breakers
- Tried and trusted manual start device: this means that you can start the generator in an emergency without a battery, or if the battery is defective.



All RS 14 and RS 14 SUPER SILENT generators have an interface for keeping the generator battery charged as standard equipment. Of course, a CAN BUS connection is supported for vehicles with a CAN BUS. This means that you can remotely monitor, start and stop the generator at any time. Remote monitoring\* / remote start/stop is offered as an option.

\* available as an option



Exhaust gas deflector\* for the upward conduction of the gas with turntable ladders



Polarity reversal switch, easily accessible



# RS 14 SUPER SILENT

The quietest generator in its class



## SUPER SILENT at full performance

Innovative technology ensures an extremely low noise emission level – especially with the optional speed reducer – and without impacting its performance, functionality or safety:

- Noise emission optimized exhaust system
- New air intake system developed from scratch
- LED illumination of the sockets and tank filling area provides additional safety in operating the generator
- Premium quality finish coupled with technological excellence



*Complete fiberglass reinforced plastic encapsulation of the RS 14 SUPER SILENT is one of the details that guarantees an extremely low operating noise level.*

## Technical data

General Information	RS 14		RS 14 SUPER SILENT	
Use	Especially firebrigades or users who require a higher level of protection			
Specifications	ÖBFV-RL ET-01, according to DIN 14685-1			
Unit				
Dimensions	820 x 440 x 580 mm (dimensions as for 8 DIN frame)			
Weight	150 kg including tank filling for 1.5 h of operation.		156 kg including tank filling for 1.5 h of operation.	
Continuous output	Pel, 3~ = 13.6 kVA / cos φ = 0.8 / 10.88 kW Pel, 1~ = 4.5 kVA / cos φ = 0.8 / 3.6 kW Σ Pel, 1~ = 3 x 4.5 kVA = 13.6 kVA			
Rated current	19.7 A 3~ / 29.6 A 1~			
Current circuit breaker	16 A 3~ / 16 A 1~			
Noise level L <sub>WA</sub>	92 dB(A) (speed reduction on)		88 dB(A) (speed reduction on)	
Acoustic pressure (10 m idle)	62 dB(A) (speed reduction on)		58 dB(A) (speed reduction on)	
Type of protection	IP54			
Tank capacity	12.5 l			
Operational period at full load	approx. 2 h			
Color	RAL 3000 (red) or RAL 1012 (yellow)			
External power supply	12 V socket for connection to a vehicle			
Generator				
Type	synchronous generator with electronic controller			
Voltage	230 / 400 V			
Voltage constancy	+/- 5 %			
Frequency	50 Hz			
Power factor	cos φ = 0.8			
Rated current	20.3 A 3~ / 30.4 A 1~			
Motor				
Manufacturer Model	Briggs & Stratton Corporation USA			
Type	22 hp Vanguard			
Art	2-cylinder OHV 4-stroke, cool cleaner			
Dynamic performance	+/- 5 %			
Ignition	electronic			
Fuel	min. ROZ 91 petrol, unleaded			
Exhaust gases	fulfils the 2002/88 EC exhaust gas standard			
Consumption	approx. 6.0 l/h at full load			
Features	recoil starter, 12 V electro-starter with battery (12 V / 18 Ah), no shut-down oil pressure monitoring three way gasoline tap			
Switchbox				
Features	2 x watertight sockets 400 V 3 x watertight sockets 230 V 1 x 16 A, 3-pole circuit breakers with PEN conductors and monitoring 3 x 16 A, 1-pole circuit breakers with PEN conductors and monitoring 1 x 12 V socket 16-pole (to keep the battery charged / for remote monitoring) 1 x CAN-Bus socket FIRE-CAN 7-pole (to keep the battery charged / for remote monitoring)			
Contained in the scope of delivery				
Tool kit	1 spark plug spanner, 1 test lead with test probes, 2 spark plugs			
User information	with spare parts list and CE conformity declaration			

# RS 14 and RS 14 SUPER SILENT

## Order numbers, options and accessories

### Order No.

576903-001	<b>RS 14 red / anthracite</b> (RAL 3000 and RAL 7016)
576903-002	<b>RS 14 yellow / anthracite</b> (RAL 1012 and RAL 7016)
571579-001	<b>RS 14 SUPER SILENT red / anthracite</b> (RAL 3000 and RAL 7016)
571579-002	<b>RS 14 SUPER SILENT yellow / anthracite</b> (RAL 1012 and RAL 7016)



### Options for RS 14 and RS 14 SUPER SILENT

848355-001	<b>Remote monitoring FIRECAN</b> For controlling and monitoring the generator from a central engineering station in the fire truck. The generator is connected via the standardized FIRECAN interface and includes an automatic choke for power generators. Communication between power generators and vehicle functions via CAN Bus. The FIRECAN compatibility ensures operation with various vehicle manufacturers.  Functions: remote start/stop (incl. automatic-chocke), warnings (oil pressure, temperatures, ...), to control the performance of load, fuel indicator and warnings	
847640-001	<b>Remote monitoring Rosenbauer</b> For controlling and monitoring the generator from a central engineering station in the fire truck. The generator is connected via the Rosenbauer interface and includes an automatic choke for power generators. The generator is driven by individual analog electrical signals.  Functions: remote start/stop (incl. automatic-chocke), warnings (oil pressure, temperatures, ...), to control the performance of load, fuel indicator and warnings	
538350-001	<b>Automatic speed reduction</b> Provides for quieter operation at no load. Without load the generator runs quietly at lower speed. When consumers are switched on or plugged in, the motor runs automatically at the rated speed and full power is supplied immediately. This means less noise, less fuel consumption and therefore longer duration.	
541952-001	<b>Pole changing switch for one socket, 400 V CEE</b> Pole changing for one CEE-socket, 380 V, 16 A, 3-ph.	
	<b>Insulation monitoring</b> Optically and acoustically "warning" on the display, the power outlets are still powered. To monitor all consumers for insulation faults and dangerous currents and contact currents. Measures the resistance between earth, neutral and phase of the attached consumer. Requirement of DIN 14685-1 and IEC 60364-7-717 in power generators in vehicles within the EU.	
541953-001	<b>Insulation monitoring Standard</b> Not turning off, the warning can be acknowledged acoustically	
541954-001	<b>Insulation monitoring Holland</b> If there is an insulation failure, the engine stops immediately.	
541953-002	<b>Insulation monitoring Swiss</b> Not turning off, the warning can be acknowledged acoustically. In addition, with test button for insulation monitoring.	
538346-001	<b>Automatic choke</b> For more comfort. (Caution: in RS 14 SUPER SILENT included by default)	
842312-001	<b>Battery temperature monitoring</b> For optimal battery chargers require some transfer of the battery temperature in the vehicle. This is transmitted via the standard built FIRECAN interface. For non-Rosenbauer vehicles this option is mandatory.	
847972-001	<b>Socket CITY, 400V CEE</b> Additional 3rd AC socket, arranged on the front side.	

## Accessories for RS 14 and RS 14 SUPER SILENT

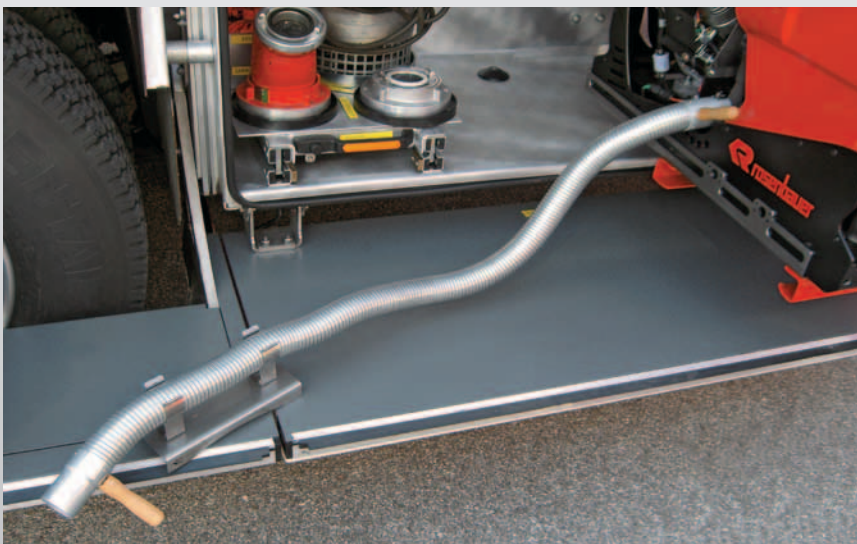
541955-001	<b>Exhaust deflector for power generator RS 14</b> To convey flue gas from building up a power generator on for use with turn-table-ladders and hydraulic platforms.
570030-001	<b>Exhaust adaptor</b> For the lateral redirection (45 °) of the exhaust gases.
567978-001	<b>Jerry can operation hose</b> 1,5 m suction hose with instantaneous coupling for jerry can operations. Allows for continuous operations.
651103	<b>Petrol can 20 l</b> (RAL 3000)
651300	<b>Filler neck for petrol can</b> Comes with flexible hose, 300 mm long for fuel can
654400	<b>Exhaust hose</b> As per DIN 14572. Total length 1.5 m, 50 mm diameter. With isolating type wooden handles. Can be connected to the exhaust pipe of generators or pump engines.
544561-001	<b>Distance control for exhaust hose</b> Keeps the hot exhaust hose away from the ground or flammable surfaces.
315890	<b>Mobile connection box</b> Portable plastic distribution 2 x 400 V, IP 44, with 3 m cable HO7RN-F 5G1 5 mm². Input connector 16 A, 5p, 400 V. Lamps 2 CEE sockets 16 A, 400 V.
538272	<b>Starter battery for generator RS 14</b> Maintenance free for power generators RS 14 and RS 14 SUPER SILENT



567978-001 / 651103



651300



654400 / 54400 + 544561-001



315890

*The distance control keeps the hot exhaust hose away from the ground or flammable surfaces.*

# RS 9 Power generator

## 9 kVA with DIN-5-frame

Specially designed for fire fighting operations, adapted for your requirements. RS 9 combines maximum performance with smallest dimensions. Experience shows that the most important features are a long operating time and simple handling of all operating components. Rosenbauer power generators meets this requirements perfectly. According to DIN 14685-1.



### Advantages RS 9

All models are equipped with a maintenance-free, short-circuit-proof synchronous generator, 3-way fuel tap and an electric starter.

Scope of delivery:

- 1 tool kit (contents: 1 spark plug spanner, 1 test cable with testing tips, 2 spark plugs)
- 1 user information with circuit plan, spare part list and CE conformity declaration



Large, double vented tank for more safety



Electric starter including battery



Brandnew carrying system with insulated handles



3- way fuel tap for continuous operation

### Easy handling guaranteed

- Electric starter with rotary switch
- Front control panel - all operating elements at the front side - perfect for fixed mounting
- Emergency stop button - stops the engine when pushing the button for your safety
- Ergonomic, cold- and heat insulated handles
- Constant voltage - at 400 V and at 230 V only +/- 1% accuracy
- Control lamps
- Sound-reduced exhaust system

## Technical data

General	RS 9 Order No. red (RAL 3000) 840591	RS 9 Order No. yellow (RAL 1012) 84059101
Application	for fire brigades or users requiring high grade protection	
Specification	according to DIN 14685-1	
Aggregat		
Dimensions	700 x 440 x 580 mm (DIN-5-frame)	
Weight	130 kg incl. tank content	
Performance	Pel, 3~ = 9 kVA / cos φ = 0.8 / 7 kW Σ Pel, 1~ = 5 kVA	
Sound level L <sub>WA</sub>	95.3 dB(A)	
Protection type	IP 44	
Tank capacity	10.5 litre	
Running time at full power	approx. 1.5 at full power	
Colour	RAL 3000 (red) or RAL 1012 (yellow)	
Generator		
Type	synchronous generator with electronic governor	
Voltage	3 x 230 V / 2 x 400 V	
Voltage stability	± 1 %	
Frequency	50 Hz	
Performance factor	cos φ = 0.8	
Rated current	11.6 A 3~	
Protection class	IP 54	
Engine		
Manufacturer	Briggs & Stratton Corporation USA	
Model	16 PS Vanguard	
Type	2-cylinder OHV 4-stroke petrol engine	
Output	10.6 kW at 3,000 rpm/min (DIN 6271 B)	
Control behaviour	± 5 %	
Ignition	electronic	
Fuel	unleaded, min. ROZ91 petrol	
Exhaust gases	the engine meets the CARB 94 USA exhaust gas standard	
Consumption	approx. 4.2 l/h	
Fittings	recoil starter, 12 V Electric starter	
Control box		
Fittings	2 watertight, CEE 16 A, 400 V sockets, 3 watertight, CEE 16 A, 230 V sockets, 1 16 A, 3-pole automatic circuit breaker with neutral wire, 3 16 A, 1-pole automatic circuit breakers with neutral wire, 1 Voltmeter 0-400 V, 1 load gauge with max. value marking, 1 operational hour meter, 1 protective conductor test device, 1 emergency switch-off, 1 phase control lamp, 1 start-/stop button	
Accessories		
1 tool bag	contents: 1 spark plug spanner, 1 test cable with testing tips, 2 spark plugs	
1 instruction manual	with circuit plan, spare part list and CE conformity declaration	

## Options for RS 9

840612	Pole changing switch
840613	Isolation monitoring
840614	Nato plug
840615	Remote start / stop
847521-001	Exhaust deflector

## Order No.

840591	<b>Rosenbauer Power Generator 9 kVA</b> colour: red
84059101	<b>Rosenbauer Power Generator 9 kVA</b> colour: yellow

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