



POWER GENERATOR

- Safety
- Function
- High-performance

 **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.



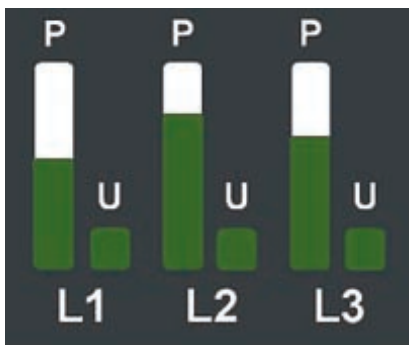
■ Increased safety:

- 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

■ 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



Phase: Power display and phase load indicator of every individual phase, phase and voltage control of every individual phase is possible.



Tank gauge: Allows taking action in time to ensure your safety (e.g. switching to canister operation in time).



Frontal layout of all the functional and operational elements



■ 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.

■ 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.

* available as an option



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.





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



Polarity reversal switch, easily accessible



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

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
Specifications	ÖBFV-RL ET-01, pursuant to DIN 14685	
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:	13,6 kVA / 10,88 kW (cos phi 0,8)	
Rated current:	19,7 A 3~ / 29,6 A 1~ (short term 53,2 A 1~)	
Current 1~ circuit breaker:	16 A	
Noise level L_{WA} :	99 dB(A) (speed reduction on)	94 dB(A) (speed reduction on)
Acoustic pressure (10 m, idle):	62 dB(A) (speed reduction on)	58 dB(A) (speed reduction on)
Tank capacity:	12,5 l	
Operational period at full load:	approx. 2 h	
External power supply:	12 V socket for connection to a vehicle	
Generator		
Type:	synchronous generator with electronic controller	
Output:	14 kVA 3~ / 7 kVA 1~	
Voltage:	230 / 400 V	
Voltage constancy:	+/- 5 %	
Frequency:	50 Hz	
Power factor:	cos phi = 0,8	
Rated current at 400 V:	20,3 A 3~ / 30,4 A 1~	
Type of protection:	IP54	
Motor		
Type:	Briggs & Stratton, 23 hp Vanguard, 2-cylinder OHV 4-stroke, Cooler Cleaner	
Dynamic performance:	+/- 5 %	
Ignition:	electronic	
Fuel:	lead-free, ROZ 91 petrol	
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 (available as an option), no shut-down oil pressure monitoring	
Switchbox		
Features:	2 x watertight sockets 400 V 3 x watertight sockets 230 V 2 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, crane lifting lug	
User information:	with spare parts list and CE conformity declaration	

RS 14 and RS 14 SUPER SILENT

Order Numbers, Options and Accessories

Order No

538270-001	RS 14 red / anthracite (RAL 3000 und RAL 7016)
538270-002	RS 14 yellow / anthracite (RAL 1012 und RAL 7016)
571579-001	RS 14 SUPER SILENT red / anthracite (RAL 3000 und RAL 7016)
571579-002	RS 14 SUPER SILENT yellow / anthracite (RAL 1012 und RAL 7016)



Options for RS 14 and RS 14 SUPER SILENT

RS 14 541951-001	RS 14 SUPER SILENT yellow / anthracite For the transfer of information and control on CAN-BUS displays in the vehicle
RS 14 SUPER SILENT 541951-002	Remote start/stop (incl. automatic chocke) Warnings (oil pressure, temperatures, ...) To control the performance of load, fuel indicator and warnings
538350-001	Automatic speed reduction Electronically regulated speed control: for quiet no load operation and immediate availability of the full performance when loads are activated.
541952-001	Pole changing switch for one CEE socket 400 V Switch for one CEE-socket, 380 V, 16 A, 3-ph
541953-001	Insulation monitoring Function of insulation monitoring: acoustical and optical warning. Measures the electrical resistance between earth and phase of the consumer. Built-in in the generator. According IEC 60364-7-717 to use mobile generators in vehicles in EU member states.
538346-001	Automatic choke for RS 14 For more comfort. (Available as an option for RS 14. Comes with the RS 14 SUPER SILENT as standard accessory).

Accessories for RS 14 and RS 14 SUPER SILENT

541955-001	Exhaust deflector For use with Turn-Table-Ladders and Hydraulic Platforms.
570030-001	Exhaust adaptor
567978-001	Jerry can operation hose 1,5 m suction hose with instantaneous coupling for jerry can operations. Allows for continuous operations.
651103	Petrol can 20 l (RAL 3000)
651300	Filler neck for petrol can Comes with flexible hose, 300 mm long. Weight: 0,4 kg.
654400	Flexible exhaust hose, length: 1,5 m 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. Weight: 2,2 kg.
544561-001	Distance control for exhaust hose Keeps the hot exhaust hose away from the ground or flammable surfaces. Weight: 0,2 kg.
315890	Mobile connection box For CEE 400 V socket with 2 CEE sockets 16 A, 5 poles 400 V.



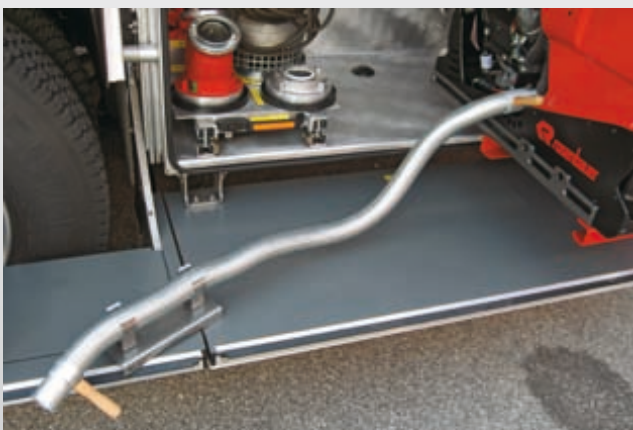
567978-001 / 651103



651300



315890



654400 + 544561-001

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

5 kVA and 8 kVA power generators

The most important features concerning the power generators are safety, a long operating time and simple handling of all operating elements. Special protective devices and many other features guarantee a long service life. All models are approved according to ÖBFV and DIN.

ALL TYPES

- OEBFV approved
- According to DIN 14685
- Maintenance free, short circuit-proof synchronous generator
- Polarity reversing switch
- Electric starter
- Service set included



POWER GENERATOR 5 kVA

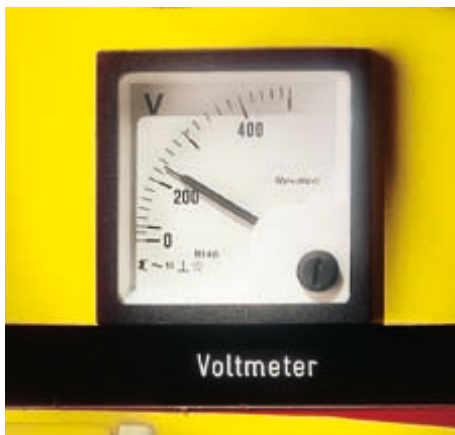
red: Order No. 319300

yellow: Order No. 31930001

POWER GENERATOR 8 kVA

red: Order No. 319305

yellow: Order No. 31930501



Constant voltage (only +/- 1% at 400 V and 230 V)



Emergency stop button (for your safety) and electric starter



Noise absorption: Covers with insulation matting reduce noise



Very large tank

Order No.	5 kVA at 3000 rpm, 400/230 V	8 kVA at 3000 rpm, 400/230 V
red (RAL 3000)	319300	319305
yellow (RAL 1012)	31930001	31930501
General		
Use:	Especially firebrigades or users who require a higher level of protection	
Standards:	ÖBFV-RL ET-01, according to DIN 14685	
Aggregat		
Dimensions (LxWxH):	700 x 440 x 580 mm	820 x 440 x 580 mm
Weight incl. filled tank:	99 kg	134 kg
Noise level:	98 LwA	100 LwA
Protection class:	IP 44	
Tank contents:	6 liter	10,5 liter
Running time under full load:	approx. 2 hours	approx. 2.5 hours
Color:	RAL 3000 (red) or RAL 1012 (yellow)	
Nato plug:	Fixed to the unit frame	
Generator		
Type:	Synchronous generator with electronic controller	
Protection class:	IP54	
Output:	5 kVA at 400 V 4000 W 3~ /3700 W 1~	8 kVA at 400 V 6400 W 3~ /4500 W 1~
Voltage:	3 x 230 V/1 x 400 V	3 x 230 V/2 x 400 V
Voltage fluctuation:	± 1% with 230 V/ 400 V at 3000 1/min + 6 % / -10 %	
Frequency:	50 Hz	
Power factor:	cos φ 0,8	
Rated current at 400 V:	7,3 A	11,6 A
Motor		
Manufacturer:	Briggs & Stratton Corporation USA	
Model:	10 PS Vanguard	16 PS Vanguard
Type:	1-cylinder OHV 4 cycle gasoline engine	2-cylinder OHV 4 cycle gasoline engine
3000 rpm (DIN 6271 B):	6,3 kW	10,6 kW
Regulation:	± 5 %	
Ignition:	Electronical	
Fuel:	Unleaded gasoline ROZ 91	
Exhaust:	The engine fullfills the US-Standard CARB 94	
Fuel consumption:	approx. 3 l / h	approx. 4.2 l / h
Equipment:	Recoilstarter 12 V electric starter without battery	Recoilstarter, 12 V electric starter without battery oil pressure shut-down system with control lamp
Switchbox		
Protection class:	IP 44	
Equipment:	1 waterproof three phase CEE 16A socket	2 waterproof three-phase CEE 16A sockets
	3 waterproof sockets with protective plug reception 1 alternating-current automatic cut-out 16A- 3 poles with neutral wire 3 alternating-current automatic cut-out 16A- 1 pole with neutral wire 1 voltmeter / load indicator shift key 1 hourmeter 1 testing tin 1 emergency stop button 1 polarity reversing switch (not with 31930001) 3 phase control lamps	
	start key	1 start-/stop switch
Accessories		
1 tool bag:	Contents: 1 sparking plug wrench, 1 testing cord with probe, 1 or 2 sparking plugs	
1 instruction manual:	With wiring diagram, spare parts list and manufacturers declaration	
Options		
Starting battery (built-in):	Order No. 319320	
Starter battery retrofit kit (battery and cables):	Order No. 319323	
Three way gasoline tap, incl. hose with coupling for petrol can:		Order No. 319321
Insulation monitoring with indicator:	Order No. 319322	
Exhaust hose:	Order No. 654400	
Green painted fuel canister, 20 l:	Order No. 651300	

Power Generator



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