



FANERGY

High performance fan for PPV with integrated water spray device.

Powerful, Reliable, Compact

 **rosenbauer**

FANERGY High Performance Fan

Fast clear visibility in critical moments.

Developed for extreme operations.

Ventilation of burning structures with high performance fans is among the most critical practices in modern firefighting. High performance fans of the FANERGY series quickly provide clear visibility for fire fighters and rescue forces, remove smoke from escape routes, and lower temperatures. As a result, less time is needed for searching and extinguishing, victims are rescued faster and risks for rescue forces are minimized.

Whether used as positive pressure fan or for other tactical applications, Rosenbauer FANERGY high performance fans are ideal in all respects. Depending on the application and employed tactics, they may also be used with water or as a light foam generator.

**With air, water or foam ...
FANERGY offers a variety of
solutions.**





Many requirements. One solution.

FANERGY high performance fans are used in a variety of scenarios. Indispensable, especially in complex buildings or in case of extreme smoke formation.

- Fast smoke extraction
- Quick improvement of visibility for the crew
- Fast lowering of the ambient temperature
- Quick suppression of fire and smoke
- Shorter search times in the rescue of persons
- Lower risk for fire fighters and rescue forces
- Lower risk for damage to property

Powerful and reliable.

- FANERGY fans impress with premium materials and well thought-out, operation-proven details.
- Variety of models with electric motor or combustion engine.
- Thanks to the high-performance airflow and the large swivel range (- 8° to + 20°), safe ventilation is possible even with higher or lower lying doors, external entrance steps etc.
- All models are optionally available with an integrated water spray device. This means that FANERGY can be deployed with water or a light foam generator.

Powerful concept. Technically advanced.

Solutions that guarantee safety.

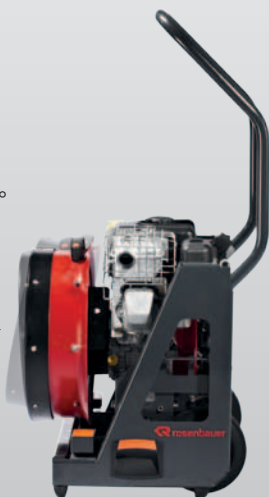
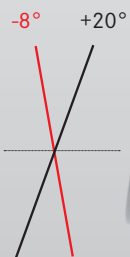
Swiveling and infinitely adjustable nozzle adjustment.

The fan wheel position can be adjusted in a generous range between -8° and $+20^\circ$. The angle setting is adjusted infinitely by a gas spring. This makes adjusting the angle very easy to handle and practical. The results: optimum ventilation even in difficult conditions.

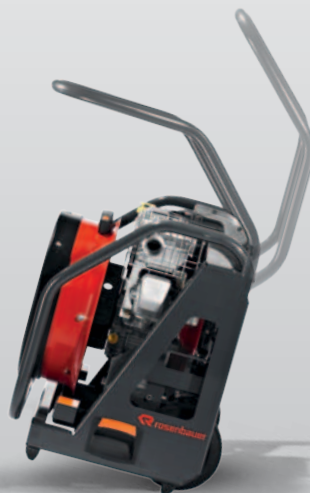


Easy handling. Rapid deployment.

In an emergency, the FANERGY can be deployed in a matter of seconds: simply fold up the handle and drag to the scene of the emergency just like a trolley. The large, smooth-running transport wheels (21"/24" models) are swivelled out automatically. Once there, it is safe and stable.



Swiveling and infinitely adjustable nozzle adjustment from $+20^\circ$ to -8°



Folding handles



Compact design

Extremely compact design.

With its handles folded in, the lightweight FANERGY high performance fan takes up very little space in the fire fighting truck compartment.

Low noise fan wheel.

The low-noise, direct-drive fan wheel guarantees a powerful airflow and is very quiet in the process, as well as maintenance free.

Maintenance and accessories.

The robust gas strut is maintenance free. Adapter for exhaust gas hose and door wedge included with scope of supply.



Low noise fan wheel



Door wedges are included in the scope of supply



Adapter for exhaust gas hose

FANERGY with water spray device. Set up in a flash and immediately ready for action ... because every minute counts.



Matching drive variants

FANERGY with combustion engine



V16

V21/V24

The high-power variant.

The FANERGY high performance fan with combustion engine is the extremely powerful and lighter option. It is available in three different sizes with 16", 21" and 24" diameters.



Full power with a gasoline engine



Technical data	V16	V21	V24
Drive motor	B&S 1 cylinder Vanguard 4.8 kW (6.5 HP) or Honda 1 cylinder GX200 4.8 kW (6.5 HP)		
Air outlet diameter approx.	16"/400 mm	21"/530 mm	24"/600 mm
Airflow	23,900 m ³ /h	35,000 m ³ /h	36,100 m ³ /h
Effective airflow output (injection principle)	> 50,000 m ³ /h	> 63,500 m ³ /h	> 65,000 m ³ /h
Dimensions (W x H x D mm)	575 x 635 x 491	695 x 705 x 480	735 x 780 x 495
Weight (with oil fill, without fuel)	approx. 40 kg (B&S) approx. 37.5 kg (Honda)	approx. 48 kg (B&S) approx. 45.5 kg (Honda)	approx. 51 kg (B&S) approx. 48.5 kg (Honda)
Fuel / tank capacity	Lead free gasoline >91 Octane / approx. 3.0 l		
Running time	with 1 tank filling approx. 110 min at full load		

FANERGY with electric motor

The quiet and environmentally-friendly alternative.

The FANERGY high performance fan with electric motor has a number of strong points: it is quiet, environmentally-friendly, and it does not emit any exhaust gases. The output is infinitely adjustable from 0-100% via a controller. The value can be read off conveniently from the display. The integrated start-up current limiter makes sure that the motor will work perfectly with a 5 kVA power generating set.

But both FANERGY models with electric motors, the E16 and E21, can just as easily be connected to any 230 V household socket. This makes them universally deployable and flexible in terms of positioning. You can even deploy them in building interiors without any worries.



E21



E16



Infinitely adjustable power controller from 0 to 100 %

Technical data	E 16	E 21	E16 Ex
Drive motor	230 V / 2,2 kW continuously variable		400 V / 1,85 kW
Air outlet diameter approx.	16"/400 mm	21"/530 mm	16"/400 mm
Airflow	14,900 m ³ /h	31,000 m ³ /h	14,900 m ³ /h
Effective airflow output (injection principle)	> 30,000 m ³ /h	> 61,000 m ³ /h	> 30,000 m ³ /h
Dimensions (W x H x D mm)	575 x 635 x 491	695 x 705 x 480	569 x 635 x 488
Weight (with oil fill, without fuel)	approx. 45 kg	approx. 54 kg	approx. 47 kg
Ex-protection	----	----	EX II 3G C T3

Integrated water spray device

Rapid deployment and immediately ready for use.

The well thought-out FANERGY high performance fan is not just limited to extracting smoke from buildings. Thanks to its integrated water spray device, which is optionally available for all models, the FANERGY can also be deployed to support fire extinguishing operations. This Rosenbauer solution is genuinely compact and designed for maximum functionality. The system is ready for operation with just a few easy steps.

The water spray device models have a stainless steel ring fixed in front of the fan wheel. It is this that makes them so easy to use at the emergency scene. Without any additional steps, you can immediately connect up the water supply to the fan.



FANERGY in operation with foam concentrate

Water on, including foam.

Additionally, the FANERGY can be used as a light foam generator. All you need for this is a foam net and a foam proportioner attached to the unit. The compact and handy foam net is available as an accessory for all FANERGY models.



Ordering data drive variants

	V16	V21	V24	E 16	E 21	E16 Ex
B&S engine without water spray device	512020	512010	512000	-	-	-
B&S engine with water spray device	512023	512012	512007	-	-	-
Honda engine without water spray device	512024	512014	512004	-	-	-
Honda engine with water spray device	512027	512017	512008	-	-	-
Electric motor without water spray device	-	-	-	512045	512050	51195001
Electric motor with water spray device	-	-	-	512046	512055	-

* with Honda motor D=510 mm

Ordering data Options / Accessories

512025	Integrated water spray device for 16" fan cpl. with Storz C coupling
512015	Integrated water spray device for 21" fan cpl. with Storz C coupling
512005	Integrated water spray device for 24" fan cpl. with Storz C coupling
512026	Foam net for 16" fan for light foam generation (Article No. 512025 required)
512016	Foam net for 21" fan for light foam generation (Article No. 512015 required)
512006	Foam net for 24" fan for light foam generation (Article No. 512005 required)
703500	Foam proportioner Z 2 with Storz C couplings for dry foam generation
703810	Suction hose 25 mm / 1.5 m for foam proportioner
201105	Discharge hose synthetic special 5 m with Storz C couplings
51181501	PAE air tube for fan 16" (400 mm) + 21" (540 mm), 20 m per roll, for light foam generation with attachment strap
51191001	PAE air tube for fan 24" (600 mm), per roll, for light foam generation with attachment strap
512060	Stable air tube for fan 21" + 24", 3 m
512061	Stable air tube for fan 16", 3 m
512062	Air baffle hood for fan 16" / 21" / 24"
654400	Exhaust hose
075715	Hourmeter for fan with combustion engine

Contact

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