



High-performance fans

Rosenbauer Technical Equipment

Versatile. Powerful. Compact.

Protects emergency crews. Saves lives.

 **rosenbauer**

One for all.

Ventilate. Cool. Generate foam.





RTE AX B16

WAMPL J.

rosenbauer

Fighting fires right from the start.

Essential for the safety of emergency crews.

More safety for SCBA crews

Use of the fan as an integral part of operational tactics in firefighting supports emergency crews so that they can execute an interior fire attack as quickly and risk-free as possible. In certain situations, the fan is the only thing that makes an interior fire attack possible. Better visibility thanks to efficient ventilation enables SCBA crews to operate more quickly on scene. This leads to many critical advantages for the safety of emergency crews:

- Shorter operating times
- Quicker location of missing persons
- Increased sense of safety for the emergency crews (no panic due to zero visibility)
- Better and quicker orientation

The fan, the first device on scene

Toxic smoke, poor visibility, and high temperatures: many times there are difficult conditions that SCBA crews have to master when first attacking a fire in a burning building. A high-performance fan can provide enormous relief in precisely these types of operations. As the first piece of firefighting equipment set up in front of the air intake and activated, it brings great advantages and increased safety for both the emergency crews and for the people being rescued:

- Immediate supply of fresh air for emergency crews and persons trapped by smoke
- Better visibility through rapid smoke evacuation from the building
- Smoke control of escape and rescue routes
- Minimizing the risk of flashover

Our name is our bond: Rosenbauer

For over 150 years, Rosenbauer led the way as a pioneer and a partner for emergency services. We are unique in our ability to deliver effective solutions for every single decisive moment in fire and disaster control. From preventative fire safety systems to all types of emergency vehicles, from digital applications to personal and technical equipment.

As a system provider, Rosenbauer handles all these fields with competence and experience. For Rosenbauer, perfection means preserving our legacy as a driver of progress. That's why we continue to set new standards with our technological innovations in fire and disaster control. Through in-depth conversations with our clients, we develop exactly the right solutions so that we can be at your side when you need us most. Worldwide. Everything you need to be optimally equipped for that decisive moment.



Less damage to property and belongings

Tactical ventilation ensures

- Less damage to the building due to faster firefighting
- Lower water damage due to more targeted release of extinguishing agents
- Lower costs for fire damage restoration

The all-in-one fan.

Versatile. Reliable. Clever.



The high-performance fans work best at a distance of two steps from the air inlet.

Airflow technology

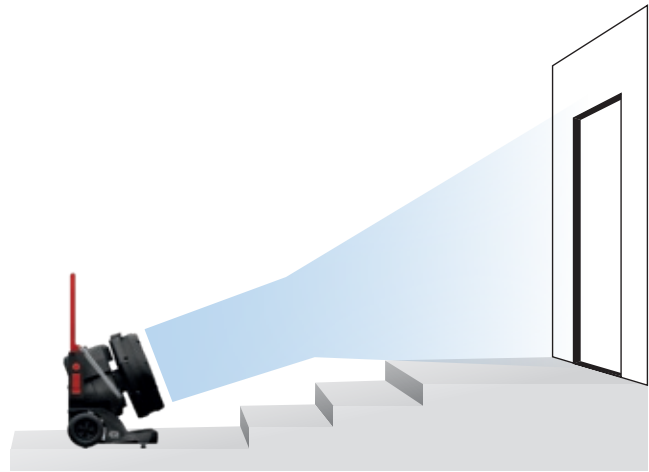
At the heart of the high-performance fan is the fan unit. The patented fan control unit minimizes turbulence and the aerodynamically designed fan wheel ensures an even, powerful air flow with optimum flow pattern.

Perfect handling: compact and lightweight

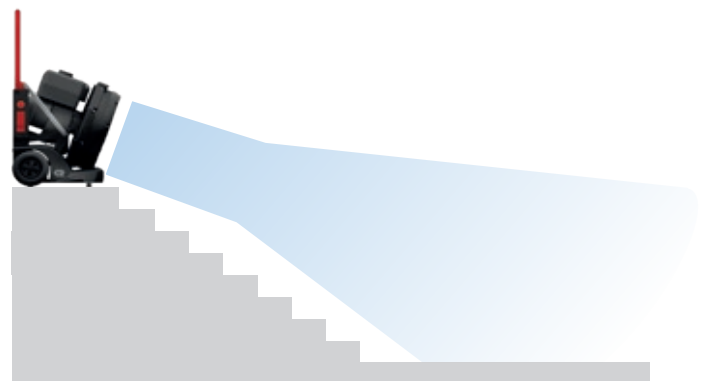
Although the Rosenbauer fans score highly with performance, they are also the most compact and lightest in their class. On the one hand, this saves storage space in the emergency vehicle, and on the other hand it means that the fan can even be used at locations that are difficult to reach.

For every scenario: 40° adjustment angle

Thanks to the maintenance-free gas strut, the fan unit can be adjusted continuously and without tools within a range of 40°. This ensures great flexibility and short set-up times in operation. The maximum angle of inclination of +20° is ideal for overcoming obstacles, the large negative angle of max. -20° is ideally suited for the downward ventilation of stairs, cellar areas, and air shafts.



Initial attack position (+20°)



Basement outflow (-20°)

For good visibility: LED light package

A sophisticated LED system ensures safe operation of the fan. The working area and the operating elements are well lit while simultaneously preventing glare.



More than air: water mist

The water mist unit is located in the center of the fan. Thus the fan becomes a generator for water mist. Temperature-sensitive goods can also be cooled at greater distances thanks to the large throw range.



Also included: chocks for doors

Keeping the ventilation openings clear is important for building ventilation. In order to fix doors or windows quickly and securely, Rosenbauer fans offer space for up to four chocks – space-saving and well fastened directly to the device.



Also on board: a foam net

All fans can also generate firefighting foam. The necessary net is space-saving and always at hand under the drive unit in a specially designed compartment.

**For a breath of
fresh air.**





Operation without hurdles.

Uniform. Self-explanatory. Lightweight.

Excellent handling

All fans can be moved, put into operation, and controlled by a single person. Thanks to its low weight and shoulder strap, the RTE AX B16 battery-powered fan can even be carried effortlessly over stairs. The ingenious design also makes an extremely fast start possible. On the E and V models, the handle is folded upwards and the nozzle automatically swivels to the most frequently used attack position (+20°).



The RTE AX B16 can be safely transported over stairs with the carrying strap.

Compact and light

When developing the fans, Rosenbauer engineers took care to create multifunctional devices that are extremely compact and lightweight despite their high performance. The result is the smallest fan in the 16" class when folded and an extremely compact battery-powered fan. Its minimal footprint leaves more space in the vehicle for equipment.

Well-known

The operating concept is well-known. It can be found in many Rosenbauer products. This brings with it a quick recognition value and thus reduces the training effort, since many emergency crews are very quickly familiar with the new product. This in turn makes operation easier, especially in stressful situations, thereby reducing mistakes.

Intuitive logic

Apart from the fact that the high-performance fans can be operated like many other Rosenbauer products: an intuitive logic was at the forefront of the designers' minds during development. This makes operation as simple as possible. An example: the green button starts the fan, the red button stops operation. This means that effective operation is guaranteed even if the operator had little training and is under stress.

Operation is easier and safer than ever before.



The E and V models can be brought into the first attack position (+20°) with a single movement.



Integrated fault indicator

The latest generation of high-performance fans now communicates even better with the emergency crews. If there is an issue with the device - e.g., the battery level drops too low - the fan signals this via the LED display as well as via a buzzer tone. Nothing stands in the way of targeted and rapid problem solving.

Water mist and foam use.

It's all about attention to detail.

Multifunctional use

In terms of operational tactics, two further characteristics of the high-performance fans are relevant: both water mist and expansion foam can be produced. The mobile high-performance fan is equipped with a central water spray unit. Due to the high throw range of the water mist, buildings, gas cylinders, hazardous goods containers, batteries, etc. can be cooled and protected from a safe distance. Effective suppression of dangerous gases and steam is also possible using the water mist. In addition, the fan performs a valuable service as an expansion foam generator.

Central water spray unit

Through the central placement of the water spray unit in the center of the nozzle, the water mist can be applied with more air power. With the high-performance fans, a throw range of up to 20 m can be achieved. At a pressure of around 5 bar, the flow rate is approx. 200 l/min. The fan can be handled very quickly and with intuitive logic: no extra accessories, no adapters, and compatibility with the usual equipment of fire departments. The fire hose can be connected directly to the fan via a Storz C-connection, through which the fan is supplied with water, thus discharging a water mist.



Throw ranges of up to 20 m are possible.



Central water spray unit.



With air hose to introduce foam into cellars and underground facilities.

The fan as foam generator

The fan can even produce expansion foam with the help of a foam net. The net for the V and E models is stored in a small compartment directly at the bottom of the fan housing and can therefore always be brought along. It is simply pulled over the fan unit and fixed in a single step. Expansion foam can be produced by using a supplemental standard Z2 proportioner. Expansion foam for firefighting can be introduced by air hoses in basement areas or underground facilities. Alternatively, the fan can also be used from above mounted on turntable ladders for the foaming of hall roofs or sources of fire.



Mount the foam net over the fan unit.

**The best solution
for every situation.**





AX B16

Genbauer

The ease of ventilation.

That's how flexible the RTE AX B16 is.



The tried and tested high-performance battery ensures a long service life.

One powerful battery

The lithium-ion battery of the RTE AX B16 is extremely efficient and a lasting energy supplier. It is among the most modern on the market and - thanks to its intelligent battery management system - ensures a long service life and long running times. The battery delivers 953 watt hours, which corresponds to continuous operation for 60 min at full power. This makes it easy to master every operational situation.

Two operating modes

The RTE AX B16 can be powered by a rechargeable battery or via the power grid. This enables fast commissioning at the beginning of an operation. Even if the 60 minutes running time at full power of the fan is sufficient for most applications: should it take longer, an uninterrupted change from battery to mains operation during operation is possible. If even more air volume is required at short notice, BOOST mode is also available.

Technical data	RTE AX B16
Motor output/battery capacity	1.25 kW/26.1 Ah
Air outlet diameter	approx. 16"/410 mm
Air flow rate according to ISO 5801	5,154 m ³ /h
Thrust according to ISO 13350	21.6 N
Dimensions (W x H x D)	520 x 600 x 355 mm
Battery operation running time at 100 %	60 min
Battery operation running time BOOST	30 min
Weight	approx. 25 kg



■ The RTE AX B16 battery-powered fan.

■ Centrally integrated water spray unit

Optionally available for the generation of water mist or expansion foam.

■ Integrated fan control unit with protective grill

Provides a powerful and effective airflow.

■ Ultra-light and robust

The primary focus in the development of the RTE AX B16 was to reduce its weight while making it indestructible at the same time. The result: 50 % weight saving compared to non-battery-powered devices.

■ Steplessly adjustable fan unit

The fan unit of the RTE AX B16 can also be infinitely adjusted and covers angles of inclination from -10° to $+20^{\circ}$.

■ Trolley wheels

Thanks to the transport wheels, the battery-powered fan can not only be carried, but also pulled easily.



■ Lightweight. Independent. Powerful.

■ High-performance battery

The lithium-ion rechargeable battery provides 60 min running time at full power. Switching to an external power supply by means of a cable is possible at any time.

■ Main switch

To safely activate and deactivate the high-performance fan, the main switch must be operated.

■ BOOST mode

The speed control is infinitely variable. If even more power is needed, BOOST mode comes into play.

■ LED light package

The illumination of operating elements and fan operating range is energy-saving and glare-free.

■ Powerful and clean

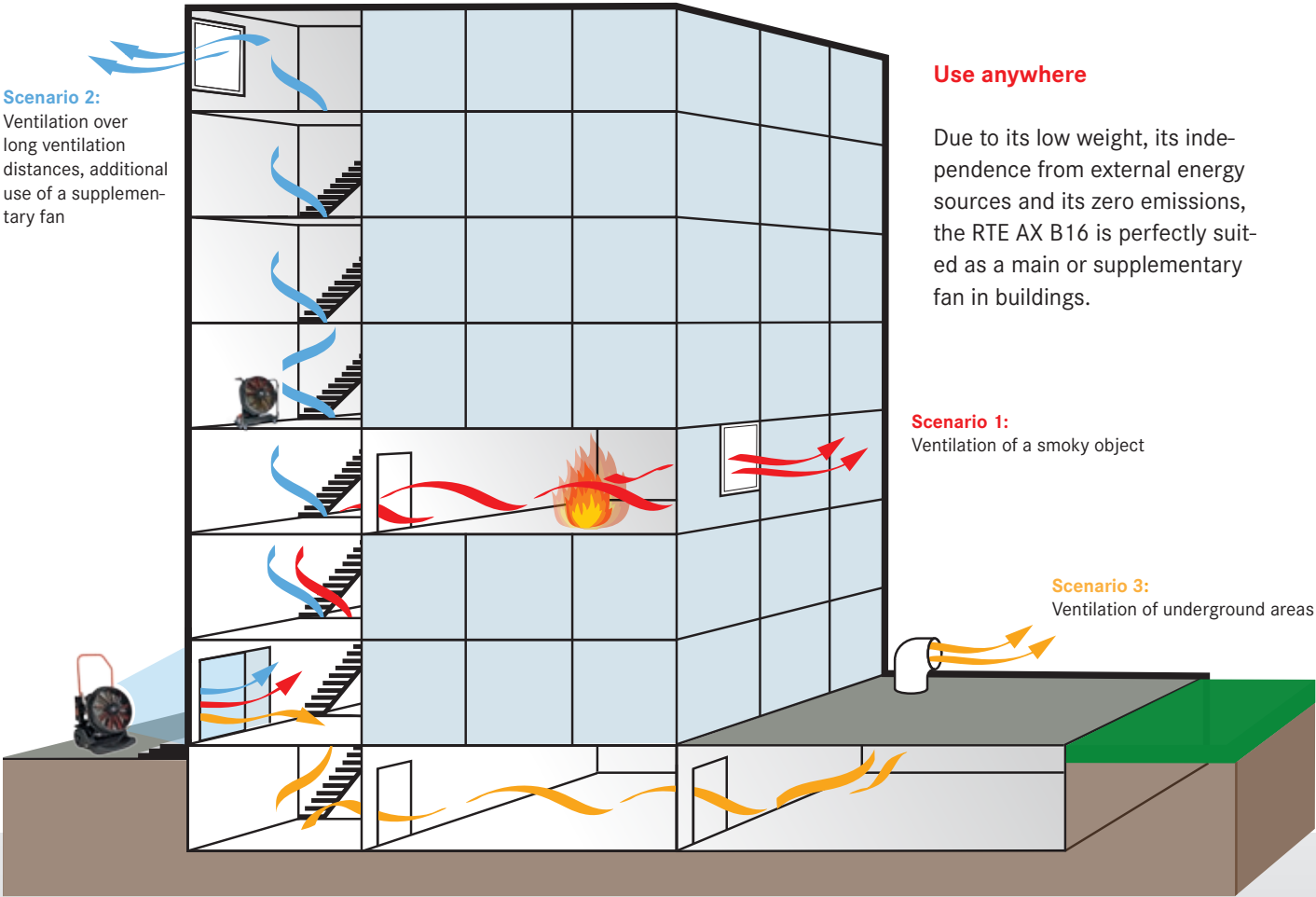
The electric motor is powerful, quiet and, above all, emission-free. This ensures additional safety for the emergency crews during ventilation.

■ Chock

To block doors, windows, elevators, and shafts, a chock made of non-slip silicone is part of the equipment.



Wide range of applications.



Duct Ventilation

Due to its sophisticated design, the RTE AX B16 can be used for duct ventilation.



Two drive variants.

■ Combustion engine

The powerful version

The high-performance fan with combustion engine is an extremely powerful model. It is available in two different sizes with 16" and 22" diameters. Two 1-cylinder engines are available: from Briggs & Stratton or from Honda.



FANERGY V16



FANERGY V22 with Briggs & Stratton engine

Technical data	FANERGY V16	FANERGY V22
Propulsion engine	B&S 1-cylinder 4.8 kW (6.5 hp) or Honda 1-cylinder GX200 4.8 kW (6.5 hp)	
Air outlet diameter	approx. 16"/410 mm	approx. 22"/560 mm
Air flow rate according to ISO 5801	5,981 m ³ /h	13,672 m ³ /h
Thrust according to ISO 13350	27.5 N	69.8 N
Dimensions (W x H x D)	545 x 490 x 545 mm	640 x 695 x 500 mm
Weight (filled with oil, empty fuel tank)	approx. 45 kg	approx. 49 kg
Fuel/tank capacity	Lead-free gasoline ≥ 91 octane/approx. 3 l	
Runtime with full tank	approx. 110 min at full-load	

■ Electric motor

The universal, silent, and environmentally friendly alternative

High-performance fans with electric motors have a number of strengths: they are quiet, environmentally friendly, and exhaust-free. The power is steplessly adjustable from 0-100 %. The value is shown on a convenient display, which is also visible in the dark. The integrated starting current limiter ensures that the drive functions smoothly with a 5 kVA power generator. Fans with electric motors can also be connected to any 230 V household socket using the Schuko plug. Even indoor installation is possible.

The greatest advantage of the electric fan is that it can operate in any orientation, and its airflow can be used vertically and horizontally. For example, the fan can be placed facing a basement or sewer opening. This makes it universally applicable and flexible in terms of positioning.



FANERGY E16

Technical data	FANERGY E16	FANERGY E22	FANERGY E16Ex Explosion protection Ex II 3G C T3
Propulsion engine	230 V, 2.2 kW continuously adjustable		400 V/1.85 kW
Air outlet diameter	approx 16"/410 mm	approx. 22"/560 mm	approx. 16"/410 mm
Air flow rate according to ISO 5801	5,606 m ³ /h	9,733 m ³ /h	5,606 m ³ /h
Thrust according to ISO 13350	25.8 N	35.8 N	25.8 N
Dimensions (W x H x D)	545 x 490 x 545 mm	640 x 695 x 500 mm	569 x 630 x 460 mm
Weight	approx. 51 kg	approx. 53 kg	approx. 47 kg

High-performance fans

Versatile. Powerful. Compact.



Order data for battery-powered high-performance fan

RTE AX B16	
514080	Standard version
514081	with water spray unit
Connecting cables for RTE AX B16:	
513090	Connecting cable power supply type SCHUKO
513091	Connecting cable power supply type NEMA
513092	Connecting cable power supply type BRITISH STANDARD
513093	Connecting cable power supply type CEE
513094	Connecting cable power supply type SWITZERLAND
513095	Connecting cable power supply type AUSTRALIA
Optional accessories for RTE AX B16:	
11869A	Voltage converter 12 VDC/24 VDC/4 A for 12 V vehicles
514086	Additional Lithium-Ion battery for RTE AX B16
514089	External battery charger
514087	Wheel set and trolley handle
513088	Shoulder strap

Order data for high-performance fans with electric motor

	FANERGY E22	FANERGY E16	FANERGY E16Ex
Standard design	514050	514040	51195001
with water spray unit and light package	514053	514043	-

Order data for the high-performance fans with combustion engine

	FANERGY V22 with B&S engine	FANERGY V22 with Honda engine	FANERGY V16 with B&S engine	FANERGY V16 with Honda engine
Standard design	514030	514031	514020	514021
with water spray unit and light package	514036	543037	514026	514027
Optional accessories for FANERGY V models:				
Exhaust gas hose for all V models			654400	
Service hour meter and revolution counter			075715	

Order data accessories for all high-performance fans

512026	Foam net for fans 16"	51191001	PE air tube with belt for fan 22", length approx. 20 m
512016	Foam net for fans 22"	512061	Rigid air tube with belt for fan 16", length approx. 3 m
703500	Z2 proportioner	512060	Rigid air tube with belt for fan 22", length approx. 3 m
703810	Dip tube, approx. 1.5 m length	601031	Ceiling hook
201105	Pressure hose SYNTHETIK SPEZIAL, approx. 5 m length	513020E08	Chock