



The new PANTHER

ARFF vehicles

Faster. Stronger. Safer.

Follow the next generation!

 **rosenbauer**

The new PANTH

Faster. Stronger. Safer.



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The new PANTHER.

The next generation.

The PANTHER from Rosenbauer is one of the most successful, efficient and variable ARFF vehicles of all time worldwide. Its multi-award-winning design and powerful performance makes it the most modern fire fighting vehicle today. Yet for Rosenbauer, success is no reason to stop, but rather inspiration to be even better.

Rosenbauer has continued to develop the PANTHER 4×4 and 6×6 vehicles in order to offer emergency crews even more safety, operating comfort and extinguishing power. The next generation of the PANTHER impresses with new and innovative features, with maximum power, safety and functionality.



The new PANTHER: the next generation of efficient fire fighting and disaster control at airports.

Your partner for innovative fire fighting vehicles.

Rosenbauer is the leading worldwide technology and service provider for defensive fire fighting and disaster control. For nearly 150 years, the name has been synonymous with significant innovations and ground-breaking technology in the manufacture of all types of fire fighting trucks and extinguishing systems. Rosenbauer offers integrated solutions and individually supports you through complex projects.

The majority of our employees are themselves experienced fire fighters. That's why they know what's important in operation. With Rosenbauer you talk expert to expert, right from the start. This know-how produces customized fire fighting trucks that are just right.

All for an effective operation.

Full service and competence.

Services from one source.

Rosenbauer achieves high system performance through the innovative concept of the PANTHER as well as comprehensive advice in regard to detailed solutions during the entire project. Right at the start, the on-site analysis in the framework of the professional order processing gives details of which requirements the new vehicle must fulfill. In the same way, Rosenbauer, as a competent partner, can put together the optimum vehicle configuration, help with calculation of the response time, and give support in the vehicle concept layout. Furthermore, production is run to the highest standards. The advantages of industrial production options are utilized with special system solutions. The PANTHER has had to pass many quality tests by the time until it is ready for delivery. Only then is the way clear for use by customers.



Rosenbauer is your single-source supplier for everything from chassis and vehicle body to extinguishing and other equipment. You benefit from highly efficient, integrated solutions that deliver exceptional performance.



Powerful fire fighting systems.

All fire fighting components are developed, manufactured, and optimally integrated into the vehicle body by Rosenbauer. This guarantees a reliable, powerful extinguishing system in any operational situation, which impresses with high user-friendliness, efficiency and low maintenance.

The concept of success.

Extinguishing performance of the highest level.

PANTHER ARFF vehicles.

The PANTHER has already written history through its performance, extremely safe handling and design. In the course of its development, a concept manifested itself which has stood the test of time to this day in all models. Rosenbauer's own chassis, the frame of which ensures best torsional stiffness, guarantees optimum handling in any situation with the single axle suspension. The low center of gravity and the almost uniform axle load distribution ensure a superior driving performance. Ergonomic operation is integrated in modern design. The most suitable materials were selected for every single element to achieve durability, longevity, corrosion resistance and an optimum total weight. The fire fighting components are stored in easily accessible large equipment compartments. Electronic control systems, developed by Rosenbauer, ensure the highest level of operational safety. And the driver's cab is a safe and ergonomic workplace for the operator and crew, which is equipped with a screen to monitor all functions.

With the PANTHER series, Rosenbauer offers the optimum system integration of chassis, body and fire fighting components from a single source, thus guaranteeing the long-term aftercare of the ARFF vehicles.

Tested for the toughest of operations.

The PANTHER series includes ARFF vehicles on 2-, 3- and 4-axle chassis with permanent all-wheel drive, engine outputs between 500 and 1.400 hp, as well as tank capacities of 5.600 to 19.000 l.

All models have already been tested during development for their practicality and durability with the most modern simulation methods and intensive tests.





The innovations of the new PANTHER.

More safety, performance, comfort and driving dynamics.

Tried and tested standard – new features.

The company's strength in innovation has made the PANTHER the most successful and well-known ARFF vehicle worldwide. The new PANTHER is also full of innovations, which make it even faster, stronger, and safer. Special attention has been paid to the highest driving and vehicle safety, maximum usage and operating comfort, as well as optimum driving performance.

With the Birdview System, for example, a realistic image of the whole environment of the vehicle is produced, which can therefore be extensively observed. This ensures greater safety in operation.

The user-optimized control panel enables a better view of the outside, and therefore of all the operational activities, through its reduced dimensions.

With the new features, the PANTHER meets and exceeds the requirements of the current worldwide standards, including Euro 6, as well as all airport requirements such as ICAO Level B, NFPA, FAA.



High quality technology and production.

The new PANTHER takes the previous visionary vehicle concept into the next generation. Its innovative features make it a state-of-the-art combination of application-oriented functionality and emotional design language. Production in the world's most modern fire fighting vehicle factory ensures a consistently high and tested quality at the highest technological level. Chassis, body and fire fighting components are optimally matched to each other, as their development and production take place completely within the Rosenbauer Group with standardized processes, sophisticated production methods, and an experienced production team.

The industrial roots of Rosenbauer are evidenced through a modern development process with computer aided 3D construction in conjunction with Finite Element calculations as well as simulations and a fully integrated DNC production process. These technologies are used to ensure the highest serial quality for custom orders.



*Optional, available from 2016.



More safety.

Achieving the best possible safety of a fire fighting truck and its occupants is a primary goal of the PANTHER's further development. New features like an optimized all-round view, the crash-test-proven cab, an innovative light design, Roll Stability Control and Anti Collision Guard make driving and extinguishing even safer for all crew members.

More performance.

All fire fighting components in the PANTHER are developed, manufactured, and optimally integrated into the vehicle body by Rosenbauer. This guarantees a reliable, strong extinguishing system in every operational situation. Newly developed components like the pump, proportioning system and turret significantly increase the fire fighting performance of the new PANTHER.

More usage and operating comfort.

When everything must be fast in an operation, every action must be correct. The new PANTHER offers more freedom of movement for the driver and team in the cockpit. The ergonomically optimized arrangement of the operating elements and the new design of the control handle simplify any operational situation.

More driving dynamics.

The new PANTHER goes from 0 to 80 km/h in under 28 seconds* thanks to its sporty concept with 750 hp Euro 6 engine and 8-speed gearbox. The lowered center of gravity of the vehicle allows an excellent driving dynamic in every operational situation - whether on paved roads or on inaccessible terrain.

*Depending on total weight.



Enlarged visual field through size-optimized A-column and control panel

Integrated additional displays for infrared and color cameras as well as EMEREC DEVS

User-optimized control panel

Folding center console

Illuminated turret operation



Rosenbauer is the world's largest fire fighting equipment supplier, with vehicles, extinguishing technology, equipment and telematic solutions, as well as being a pioneer in the sector with its enormous innovative strength.



Optimized service accessibility for cab electronics

High tech standard.

Many years of experience, creative minds, highly qualified technicians and industrial fabrication at the highest level are the foundation of the high-tech standard of the new PANTHER. Flexible fabrication possibilities allow for custom-tailored solutions.

Maximum saf

Proactive. Tested. Impressive.



ety.



Trendsetting components.

More safety. More protection. More power.

Innovations for maximum safety.

The newly developed FEM-optimized and crash-tested ECE R 29-3 driver's cab guarantees the best possible protection for the crew. The newly designed front gives the PANTHER a more distinctive appearance and provides the crew with improved all-round visibility. The lighting design not only sets creative accents, but also contributes to better vehicle safety. The cockpit instruments have a new arrangement, which is more ergonomic and functional, and also noticeably maximizes the use and operating comfort of the PANTHER.

The optional tire pressure control warns if tire pressure is too low and so allows the driver to react directly. Also the optional side airbags, as well as the belt-tensioner for the side and rear crew seats ensure even more passive safety during accidents by reducing the risk of injury from impacting the outer vehicle wall.



Crew/operation



Birdview screen



Driving through corners at high speed without / with RSC

Rosenbauer is currently the only manufacturer known to have actually crashed the driver's cab of an ARFF vehicle according to ECE R29-3, in order to ensure maximum occupant safety and best possible safety for the crew.



Cockpit: clear instruments



Light

More safety and efficiency in operation.

The improvements and innovative features of the new PANTHER ensure optimized view, highest protection for the occupants, and greater vehicle safety in dynamic driving borderline situations, and, above all, when the vehicle must go especially fast on the airfield.

Optimized safety.

Standard solutions:

- Crash-tested driver's cab
- User-optimized control panel

Optional additions:

- Birdview (camera-generated real image of the environment)
- RSC (Roll Stability Control)
- Anti Collision Guard
- Side airbags incl. belt-tensioner for the crew
- Tire pressure monitoring



Crash test

Best performance

Innovative. Powerful. Reliable.



ce.



Highest technological level.

More power. More performance. More options.



Increased power when extinguishing.

Rosenbauer has also developed the fire fighting components of the new PANTHER further with competence and many years of experience. New pumps, proportioning systems and turrets increase the extinguishing performance of the world's strongest ARFF vehicle.

The improvements and innovative features of the new PANTHER enable larger outputs, better ranges and the output of large amounts of extinguishing agent from ground level.



Innovations for best performance.

The development and production of fire fighting systems and extinguishing components is one of Rosenbauer's core competencies. For more than 100 years Rosenbauer has developed and manufactured their entire range of fire fighting systems.

The fire fighting components of the new PANTHER form a completely integrated powerful system. Pumps with an output of up to 9.000 l/min with suitable automatic foam proportioning systems, roof and bumper turrets for an output of up to 9.000 l/min for a throw range of up to 100 m, HRET booms, CAFS compressed air foam systems as well as high and ultra-high pressure extinguishing systems are possible variants. And the elements of the fire fighting components that have been developed further, such as turret, bumper-mounted turret, and pump, make the new PANTHER even more powerful.



The fire fighting components built into the PANTHER is a fully coordinated, powerful system that was completely developed and manufactured by Rosenbauer with the operational demands in mind.

Highlights:

- New RM 80 turret (adjusted to N 80 pump)
- New RM 35 turret (Optional)
- HVLA bumper boom turret with RM 35 (Optional)
- New N 80 centrifugal pump
- New Fixmix 2.0 proportioning system

Higher usage and

Flexible. Ergonomic. Intuitive.



operating comfort.



User-oriented functionality.

More room. Clearer overview. More efficiency.

Easier to operate – quicker to react.

The new, ergonomically-optimized control handle with backlit keys ensures clear and easy operation of the turret. And with the electrically darkened roof window, at the press of a button there is enough visibility overhead without the risk of glare. The folding center console enables a quick change between driver and passenger seat as well as a direct exit on the opposite side. The optimized loading room allows the loading of the rear compartment up to the lower body edge and quick handling through the new opening design. The full-height locker on the left side is significantly longer, creating more space for equipment. All important areas such as access, pump compartment, rear compartment and the full-height lockers are optimally illuminated.



Folding center console



Rear compartment



Storage compartment

Excellent maintenance and service-friendliness.

- Optimized maintenance access
- Easier access also to maintenance-intensive components
- Ability to check oil levels from the driver's cab at the press of a button
- Easy access to the electronics through folding control panel covers
- Removable floor mats for easy cleaning

Innovations for more usage and operating comfort.

The improvements and innovative features of the new PANTHER enable a better overhead view in the cockpit and simpler control of the turret. The driver's cab impresses with its space-optimizing design as well with additional storage compartments and stowage options

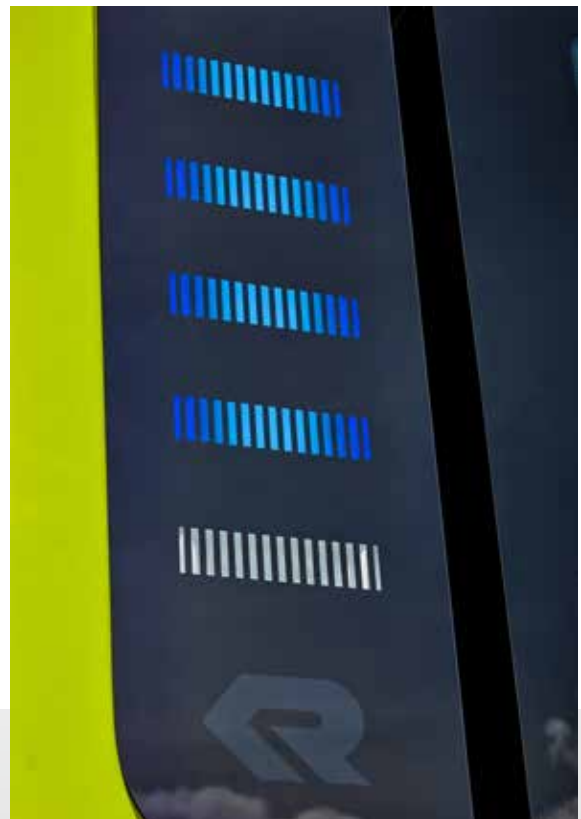


All innovations and improvements in the area of usage and operating comfort are aimed at better ergonomics, visibility and freedom of movement for the user in the new PANTHER.

Joystick



Cockpit with roof window



External tank indicator



Pump compartment illumination

Highlights:

- Consistent and intuitively backlit operating system with LCS 2.0 and new joysticks or control handles
- New external tank display that is visible better from all angles, even in daylight
- User-optimized ergonomic control panel, in which the switches sit exactly where they are needed and the operating sequence is observed

Impressive driving



ing dynamics.

Striking appearance. Fast. Safe.



The new PANTHER is available with different drive variants:

- Basic with Volvo Euro 5 engine
- Performance Package with new Euro 6 engine and 8-speed gearbox



Strong drive concept.

More acceleration. More power. More ride comfort.

Innovations for impressive driving dynamics.

The new PANTHER is even more maneuverable and faster than its predecessors. The lower center of gravity of the vehicle and a more even longitudinal distribution of the weight on all axles enables an optimum driving dynamic. The innovative undercarriage is balanced for the highest possible stability in the high speed range and maximum all-terrain ability. The optimized cab mounting allows a comfortable reaction in any situation. The new disk brake system is also available with 16R20 wheels.

Maximum maneuverability and mobility.

The new performance package with Volvo Euro 6 engine and 750 hp in combination with 8-speed gearbox ensures optimized acceleration from 0 - 80 km/h within 28 seconds and a top speed of 120 km/h.

Overview of innovations.

- 750 hp engine – 3.500 Nm, Euro 6 standard (optional)
- 8-speed gearbox (optional)



Service & support worldwide.

Our performance promise for your safety.

Committed to customer orientation.

Inspection and maintenance services ensure uniformly high quality of all Rosenbauer products. The focus is on flawless functionality, a long service life, and the safety of vehicles and equipment. This is achieved with a solid foundation of customized services that consistently focus on the customer's needs.

Full service, around the clock.

In operations, only 100% will suffice. Every piece of technology and equipment must work flawlessly. Every tool ready for action. And when something does fail, fire fighters want it back in operation as quickly as possible. One call to Rosenbauer is all it takes for a technician to arrive within 24 hours from the nearest Rosenbauer Service Station.



High service quality.

Every fire department has unique requirements. To address this effectively, Rosenbauer structures its services to be modular. Services are adapted optimally to the needs of each fire department. As a result, your fleet of vehicles and equipment is maintained and supported on-time and in the most optimal way possible.

Reliable partner.

You can expect fairness and customer-orientation throughout your dealings with Rosenbauer. Rosenbauer guarantees the availability of original spare parts for many years to come. This provides a solid foundation for high operational safety of all vehicles and equipment.

Highly qualified, practical, personal.

Technicians from Rosenbauer Service & Support are highly qualified experts who are ready to handle inspections, maintenance, repairs, and product training whenever you need them. Many of them are active fire fighters themselves and they know the requirements. This experience and years of collaboration with customers result in personalized communications and a solid foundation of knowledge about your vehicles and equipment.



■ Service Center ■ Service Partner ○ More than 50 service partners

Rosenbauer ensures that you can depend 100% on your vehicle and equipment during operations. To this end, Rosenbauer provides maintenance, after sales service, and refurbishments through a service network comprising its own branches and international service partners in over 100 countries worldwide.



