Maximize your safety, Minimize your risk!

EVERDIGM AERIAL RESCUE LADDER CATALOGUE
WHENEVER THERE IS A FIRE, EVERDIGM FIRE ENGINE WILL STAND BY YOU

Everyday firefighters all over the world save the lives or protect property at the risk of their own life. Since EVERDIGM began to produce Fire engine in 2004, we constantly have strived to develop our fire engines and provide maximum firefighters safety. We continuously have worked with firefighters in the world and listened to their voices. Our fire engine is designed based on the experience of fire fighters. We have tried to use the information acquired from them as much as possible in order to develop and improve our fire engine. We wish we can have more opportunity to meet fire fighters and customers from the world. And we promise to do our best for continuous customer satisfaction, quality and best service.
The EVERDIGM Aerial Rescue Ladder is designed for effective rescue and fire fighting in high rise buildings on fire. The ERL design includes telescopic ladder assembly, auxiliary foldable step, telescopic waterway, water monitor, etc. and it can operate to rescue people and extinguish fires in high rise buildings on fire and high fire risk areas. All components of ERL are manufactured of approved products, steadily improved and developed which guarantee reliable, long-lasting performance and safe operation.
1. The material of ladder is composed with strengthened light-weight steel and the side cover of ladder made of steel keeps a fine ladder condition.

2. The lift ascends with a speed of 1.0 m/s and descends with a speed between 0.5 and 1.5 m/s. Maximum 3 people are able to board the lift and rescuers are ready to perform a rescue and a fire-fighting operation within a minute.

3. Water monitor is made of light alloy fitted with nozzle and attached to the end of the ladder. And, it is controlled electrically from the main control panel. Video camera with zoom and focus facility is mounted at a top of the monitor. The picture from camera transmits to the main control panel so as to provide fire fighters the clear vision of fire scene.

4. Overload warning sensor is installed in order to prevent any accident by a lift overload. Obstacle warning sensor installed at the end of the ladder against any collision. If any obstacle is detected by the sensor, the ladder operation is automatically stopping. Also, speed-reducing system activates and automatically reduces its speed for the safe arriving in the event that the lift gets to either the highest or the lowest position.

5. Auxiliary lift guide rail is extended by two cylinders to the ground. Rescuers can directly board on the lift by using auxiliary lift guide rail so as to enable a quick and an effective operation.

6. Auxiliary foldable step works as a bridge to connect between the building and the end of the ladder. And it enables rescuers to quickly enter the building and rescue occupants.
7. Aerial ladder is capable of working as a mobile crane by installing the hook and the ladder can lift or lower a load of maximum 2 tons. It offers full functions and the easy operation.

8. Telescopic waterway is basically installed in the EVERDIGM telescopic ladder. It is made of aluminum and anodized for anti-corrosion. Diameter of waterway is 65mm.

9. EVERDIGM aerial rescue vehicle with cage is being newly developed at the moment. It designs that Maximum 3 people can get on the Cage. Cage with the control stand and entrance gates at the centre of the cage according to practical experience. Capable to mount for additional devices on the cage, e.g. automatic water monitor, Subordinated control panel, 40A hose connection, self-defense water spray system, auto balancing system of the cage and obstacle sensor.

10. EVERDIGM Aerial Rescue Ladder and Aerial Platform vehicle are manufactured in accordance with provisions of Korea Fire Institute of Industry and Technology under Korean government and the international Quality Management System, ISO9001.

11. Outrigger is fully extended and completed by auto-leveling system within 30 sec. After the vehicle is paralleled to the ground, the vehicle is lifted maximum 700 mm from the ground to the tire. And each outrigger leg can be actuated either separately or co-jointly according to the road condition so as to enable operator easy to adjust the outrigger.
1. Some parts of the body are composed with Fiber-glass Reinforced Plastic which is non-corrosive and impact resistance so as to reduce cost of maintenance.

2. To improve durability and stability of EVERDIGM aerial apparatus vehicle, EVERDIGM uses internationally certified and authorized components.

3. Aluminum check plates are partially used in the body for anti-slip and anti-corrosion. It ensures a long lasting protection from corrosion.

4. Our detailed structure and intensity analysis give the possibility to predict the effects of loads on physical structures and their components. Through the analysis, we therefore can prevent the deformation of ladder and boom so as to guarantee the long-lasting performance.
1. Spray nozzles for self-defense installed at the end of the ladder helps to prevent interior fire attack and cool down an approaching target.

2. The main body covered with a non-slip aluminum plates and ladder rungs are coated with anti-slip material.

3. Standby engine provides an independent hydraulic power back up in case of failure of vehicle engine.

4. In case of lift wire snapping, Cam-Roller type double Brake-system immediately works to prevent the lift crash. We divide the brake-system into two. This means that if one of the systems fails, the other can be used for safe. It is world first brake-system for the ladder and guaranties operators’ safety.

5. Various sensors are attached in order for protecting from any hazardous such as wire tension, overload, leveling angle, wind speed sensor, etc.
1. LCD touch screen set in the main control panel makes operators easy to navigate menus, precisely control the machine. It also displays and indicates working diagram and all data for the current status of the ladder. User-friendly multilingual voice alarm is provided to help the operators to get the instructions in their respective language.

2. Rear view camera assists operators with an extremely effective and easy to detect any obstruction while driving the vehicle in reverse.

3. Turntable extendable platform offers operators a great accessibility and convenience to board the main control stand.

4. In case of failure of main engine, a standby engine supplies auxiliary hydraulic power and the ladder safely carries on operating by manual operation.
5. Air mat compartment easily opened and closed by pushing the button and it is designed to assist users easily handle heavy air mat.

6. EVERDIGM promises you the quickest delivery time in the world (for 7 months, CIF), unless otherwise chassis is not available.

7. Customization of EVERDIGM Ladder Truck
   Our aerial rescue ladder truck can be customized as per customer’s requirements mounting water tank, fire pump, etc.
1. Accumulated know-how on designing the fire engines enables to overcome extreme condition and environments such as the cold regions and tropical regions.

2. Most of Korean fire fighters choose the excellence of EVERDIGM Aerial rescue Ladder and its market share has been marked at about 95% since 2010.

3. Since EVERDIGM begins to produce fire engines in 2004, overall we have delivered to fire brigades and industrial customers more than the hundreds of aerial apparatus vehicles and pumpers. The sales have been significantly increased year by year.

4. EVERDIGM applies our fire engines to various uses as customer’s request such as water tower with aerial ladder, fire pump and water tank. Even now they are operating in many countries with totally different working environment.
1. Our operation and maintenance training programs for end-user are designed to enable the customers to competently manage and operate EVERDIGM aerial apparatus vehicle.

2. In-house training service offers customers the flexibility to shape a training agenda to match their learning requirements and existing skill set. We also conduct our own research and can offer customers advice on appropriate agendas based on the challenges they face. The service provides our customers with the necessary skills to configure, operate, troubleshoot, and repair our products to a level that will meet.

3. All parts and labor are covered under warranty for the first two years of the life of the product. Also, customer service team visits the end-user and provides preventive maintenance inspection and performance test once a year within the warranty period.

4. Almost all of spare parts which are available within short time and it will be delivered to our customers within one week anywhere in this world. Also, we guarantee all of the spare parts are available for more than ten years.
**EVERDIGM Aerial Rescue Ladder 33(ERL33)**
Working height 32.5M
4 telescopic ladders
H type outrigger

**EVERDIGM Aerial Rescue Ladder 46(ERL46)**
Working height 46M
5 telescopic ladders
H type outrigger

**EVERDIGM Aerial Rescue Ladder 53(ERL53)**
Working height 53M
6 telescopic ladders
H type outrigger

**EVERDIGM Aerial Rescue Ladder 53(ERL53C)**
Working height 53M with cage
6 telescopic ladders
H type outrigger

*All specification can be customized as per clients’ request.*