



品质 改变 世界



# 55-meter Aerial Platform Fire Truck



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## Product Introduction

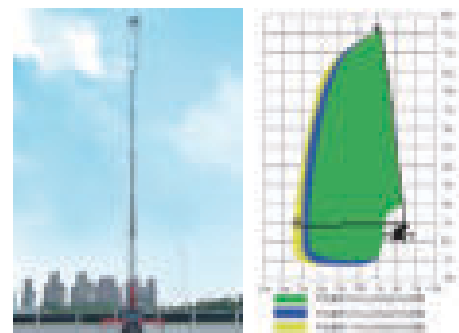
55-Meter Aerial Platform Fire Truck is Designed for urban building rescue and firefighting operations, this product features a comprehensively upgraded chassis, large tank capacity, high flow rate, and extended working height, significantly enhancing rescue capabilities. Its design philosophy emphasizes high reliability, enhanced efficiency, and intelligent operation, with leading comprehensive performance outperforming industry counterparts.



## Key Functions

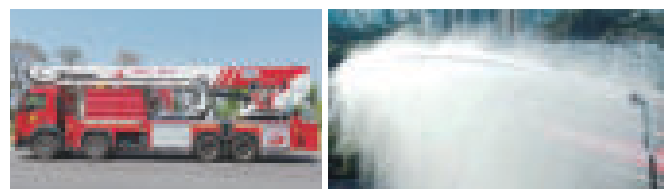
### 01 High Performance

- ◆ **Leading Vertical Rescue Height (55m) & Horizontal Reach (23m):** Superior to peers in its class.
- ◆ **High Load Capacity:** Work basket supports a maximum load of 500 kg, accommodating up to 6 personnel simultaneously.
- ◆ **Multi-Configuration Rescue Curves:** Configurable operating curves for the work basket ensure expanded operational range.



### 02 Enhanced Fire Suppression

- ◆ **Capacity Leadership:** Liquid tank capacity is industry-leading, with a liquid load capacity of 6 tons.
- ◆ **Performance Excellence:** The fire monitor delivers a maximum flow rate of 70 L/s and achieves a maximum water range of 70 meters.



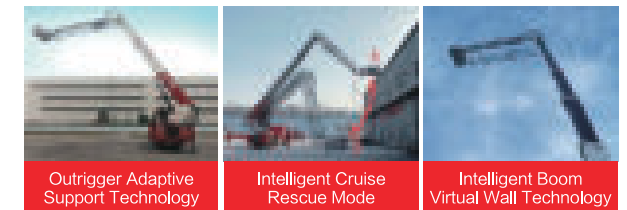
### 03 Multi-Scenario Adaptability

- ◆ **Ladder Rescue:** Rapid deployment of rescue access for trapped individuals, supporting up to 6 personnel.
- ◆ **Deep-Reach Rescue:** Work basket extends downward with a rescue depth of 6 meters.
- ◆ **Obstacle-Crossing Rescue:** Flexible boom structure enables 9-meter obstacle-spanning capability.
- ◆ **Auxiliary Heavy Lifting:** Base arm lifting capacity of 2 tons; hydraulic winch on the work basket enables deep-well rescue lifting.



### 04 Intelligent Operation

- ◆ **Outrigger Adaptive Support Technology:** Zoned safety control with 3.5-meter minimum span.
- ◆ **Intelligent Cruise Rescue Mode:** One-touch automated reciprocating motion (positional deviation within 0.5 meters).
- ◆ **Intelligent Boom Virtual Wall Technology:** Single-command vertical/horizontal movement for the work basket (deviation controlled within 0.5 meters).



### 05 Enhanced Safety

- ◆ **System Safety:** Redundant control system with dual redundancy on critical components, ensuring fail-safe operation.
- ◆ **Operational Reliability:** Pioneering mandatory safety protocols with over 50 integrated safety safeguards ensuring reliability under extreme conditions.

### 06 Precision Engineering

- ◆ **Advanced Material & Process Optimization:** Integration of innovative materials, advanced manufacturing processes, and streamlined structural design to significantly enhance component precision and system performance.
- ◆ **CMF-Driven Aesthetics:** Focus on CMF design, refining details to align with mass aesthetic preferences, injecting renewed vitality into the product.



## Technical Specifications

Product Model	SYM5430JXFDG55
Chassis Model	VOLVO FM500 CHINA VI 8 × 4
Dimension	12370mm × 2550mm × 3990mm
GVW	42600kg
Max Power	376Kw
Maximum Working Height	55m
Maximum Working Range	23m
Maximum Working Load	500kg
Fire Pump Brand	Hale
Fire Monitor Brand	Akron
Tank Capacity	4000L Water+2000L Foam
Rated Flow of Fire Pump	6000RPM
Rated Flow of Fire Monitor	4800LPM