

May 28, 2010

To the press

**Morita announces newly developed lightweight "Super Gyro Ladder MLL Series"
Turntable Ladder Truck equipped with the latest control system
To be exhibited at "INTERSCHUTZ 2010," in Leipzig, Germany – The world's
largest exhibition for Rescue, Fire Prevention, Safety, Security
*Patent pending**

Morita Corporation (head offices: Sanda, Hyogo and Tokyo; president Masahiro Nakajima), a 100% subsidiary of Fire Fighting and Rescue Vehicle Manufacturer Morita Holdings Corporation (head offices: Osaka and Tokyo; President: Masahiro Nakajima; stocks listed on section 1 of TSE/OSE), announced its newly developed lightweight Super Gyro Ladder MLL Series, which not only offers speedier extension/retraction of ladder but is also equipped with numerous most advanced technologies, such as recording of ladder operations to memory and replaying of the recorded ladder operations from the memory.

More than 95% of the ladder trucks currently used in Japan are Morita brand (Morita accounts for approximately 55% of all fire trucks in Japan). In 1933, Morita developed the first wooden ladder truck (18m) in Japan to meet the emergency needs of urban modernization. Since the company's founding in 1907, Morita continues to behold the ideal "to save as many lives as possible," of its founder and keeps evolving and developing technologies to that end.



These Super Gyro Ladder MLL Series trucks with top articulated ladder and water piping offer dramatically improved ladder retraction/extension speed and significantly expanded work range along with reduced ladder weight. The ladder trucks, designed with a great emphasis on the ease of use, are also equipped with a new control system that offers the fastest and the most efficient rescue and firefighting possible.



In particular, not to mention the device that suppresses ladder swaying, the vehicle is also equipped with a memory function to store ladder operation patterns so the same operations can be replayed from its memory repeatedly, automatic ladder extension/retraction control, and a function to move the basket horizontally and vertically.

***Features of Super Gyro Ladder MLL Series**

- Faster ladder extension/retraction
It takes approx. 30 seconds to extend the ladder to a height of 31 meters.
- Memory function
Stores ladder operation patterns so the same ladder operations can be performed from its memory repeatedly. By enabling the replay of ladder movements from the same place the memory function facilitates smooth rescue operations. The display shows the trajectory of the ladder in 3D.
- Basket movement function
Automatically controls ladder extension/retraction so the basket can be moved horizontally or vertically with a single lever operation.
- Conventionally the horizontal or vertical ladder movement required a skilled operator to move the ladder in horizontal/vertical direction while extending/retracting it, however, this new function makes it possible to achieve the same by operating a single lever.
- Basket load
360 kg capacity basket (270 kg with telescopic water piping) of overlapping type is stored at the top of the ladder
- Basket water cannon
A large volume monitor capable of discharging up to 3000 liters per minute can be mounted on the basket. Further, the monitor can be operated from the basket, main control station at the base of the ladder or from the operation seat on the ground. Telescopic water piping is available as an option.
- Lifter and basket can be used simultaneously.

Basket and the lifter, capable of handling up to 180 kg, can be used simultaneously. The lifter stops before the center of articulation when the ladder is articulated but can be raised past the center of the articulation when the ladder is straighten out.

- Multifunction display

High quality computer screen fitted at the operation seat offers clear visibility of information even in the daylight. Live images of rescue operations can be displayed on the screen by installing a camera in the basket. In this case the operation information and the feed from the camera are displayed together by utilizing superimpose function.

Super Gyro Ladder MLL Series 30 - 50 m

- Vehicle size (30 m class): Overall length approx. 10.7 m, overall height approx. 3.6 m, overall width approx. 2.5 m

- Total vehicle weight (30 m class): Approx. 19,800 kg

- Standard ground height (30 m class): Approx. 31.0 m

The vehicle will be exhibited at "INTERSCHUTZ 2010," The world's largest exhibition for Rescue, Fire Prevention, Safety, Security, in Leipzig, Germany, from June 7 - 12, 2010.

Booth Open-air-site (FG) Stand A33

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