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Automatic Emergency Escape Ladder (WM-01 Series)

Multi-story continuous vertical evacuation escape equipment

Available for hospital bed and/or wheel chair

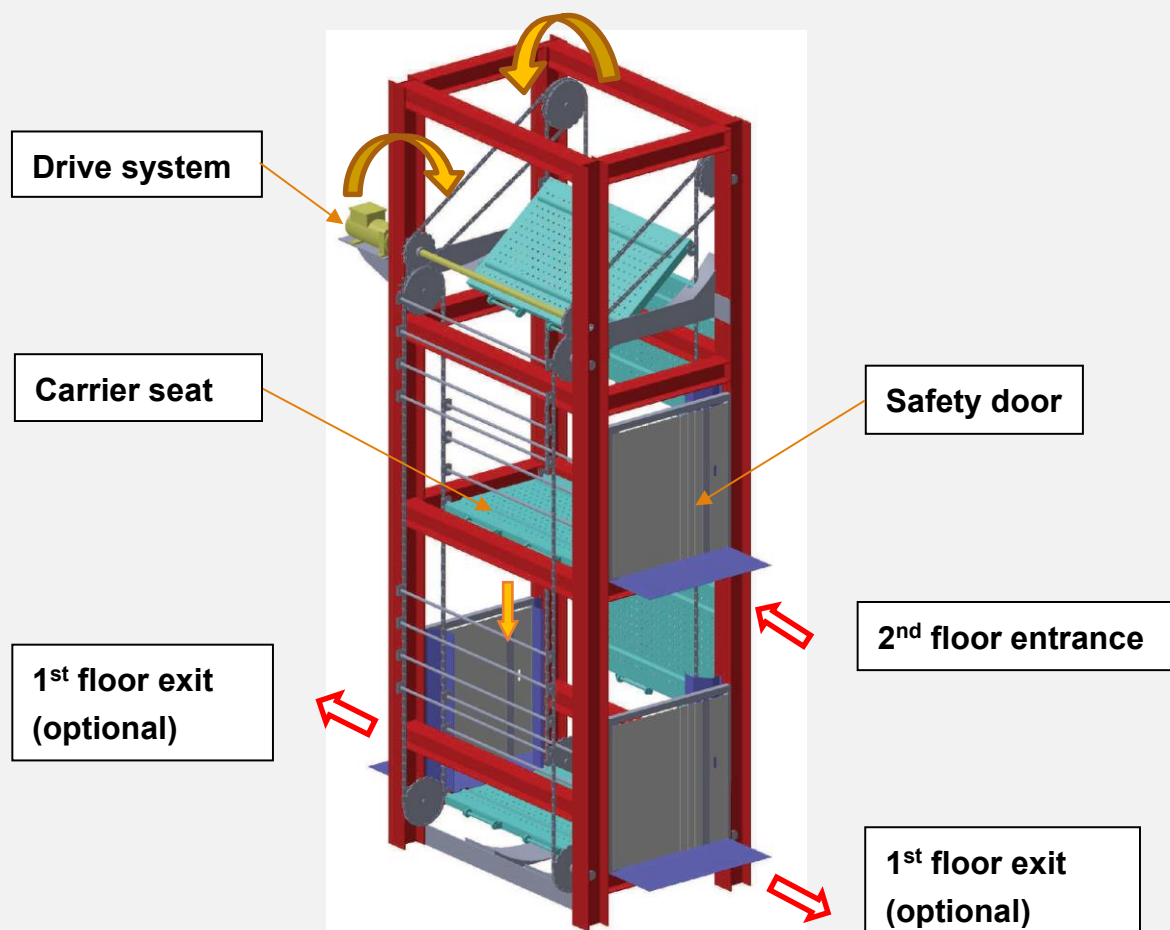


Description :

The emergency escape ladder is a vertical evacuation equipment erected on the outside or inside of the building. It has an automatic control system that can control the speed of descent and provide different transportation modes. The hospital bed and/or wheelchair can be directly accessed to escape. Evacuation personnel can be continuously and vertically evacuated in multi-story buildings quickly and efficiently, especially for buildings with inconvenient and vulnerable survivors, such as long-term care institutions, confinement centers, and medical buildings, which are the most stable and reliable escape equipment. Among the escape appliances, the evacuation efficiency is the highest.

Applicable sites :

Hospitals, nursing homes, confinement centers, and long-term care services, crowd gathering building, etc.



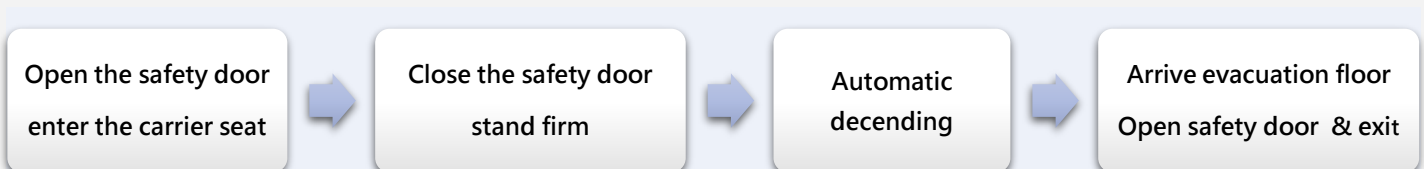
Schematic diagram of two floors

Design specification :

Item	Specification
Story	10 stories and higher
Total weight	About 30-50 tones for 10 stories
Total height	About 40 meters
Descent speed	0.36-0.6 m/s with soft landing
Bearing weight/seat	WM-01A: 200 kgs. ; WM-01B: 750 kgs.
*Bearing person/seat	WM-01A: max. 3 persons ; WM-01B: max. 10 persons
Evacuation efficiency	WM-01A: max. 9 person/min ; WM-01B: max.30 person/min
Footprint area	WM-01A: ~ 2m x 2m ; WM-01B: ~3m x 4m
Technical characteristics	Patented carrier seat slewing mechanism
Operation Mode	Auto/manual mode
Emergency power	ATS switch to diesel generator power supply
Protection facilities	(1) Falling prevention net (4) Intercom system (2) 1 st floor detecting sensor (5) Monitoring system (3) Emergency stop button

Note: WM-01A available for wheel chair ; WM-01B available for wheel chair and hospital bed

Easy Escape procedure :



Advantage :

- Auto/manual operation mode with high evacuation efficiency
- Patented carrier slewing mechanism no need for underground machine pit
- Automatic control reducing manipulative negligence in emergency escape
- Continuous evacuation and multi-story evacuation simultaneously
- Available for inconvenient and vulnerable personnel with a high sense of security

