



MRL Family

Low Rise

The EDGE MRL™ (Rail Supported - Traction):

The EDGE MRL™ utilizes the Torin gearless machine and boasts the tightest non-proprietary hoistway dimensions in the industry.

Advantages:

- Saves on valuable floor space
- Greater power efficiency
- Superior performance and ride quality
- Reduction on the elevator power feeder
- Underslung assembly
- Standard & custom dimensions/interiors available

Equipment Capabilities:

- Passenger and service cars
- Capacities from 2,100 - 3,500 lb
- Speeds from 200 FPM to 350 FPM
- Travel up to 50 ft



MRL FAMILY

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Capacity (lb)	Openings (Front/Rear)	Platform Size W x D	Hoistway Size W x D	Clear Opening	Clear Inside W x D	SSSO Door	SSCO Door	2SSO Door
2100	F	6'-0" X 5'-1"	7'-8" X 5'-10"	3'-0"	5'-8" X 4'-3"	X		
2100	F&R	6'-0" X 5'-7 1/2"	7'-8" X 6'-8"	3'-0"	5'-8" X 4'-4"	X		
2500	F	7'-0" X 5'-1"	8'-8" X 5'-10"	3'-6"	6'-8" X 4'-3"	X	X	
2500	F&R	7'-0" X 5'-7 1/2"	8'-8" X 6'-8"	3'-6"	6'-8" X 4'-4"	X	X	
3000	F	7'-0" X 5'-6"	8'-8" X 6'-3"	3'-6"	6'-8" X 4'-8"	X	X	
3000	F&R	7'-0" X 5'-10 1/2"	8'-8" X 6'-11"	3'-6"	6'-8" X 4'-7"	X	X	
3500	F	7'-0" X 6'-3"	8'-8" X 7'-0"	3'-6"	6'-8" X 5'-5"	X	X	
3500	F&R	7'-0" X 6'-7 1/2"	8'-8" X 7'-8"	3'-6"	6'-8" X 5'-5"	X	X	

- Note: Clear inside will vary slightly depending on door speed and interior finishes
- Hoistway dimensions are minimum clear inside requirements. Shorter installation times can be obtained by increasing these dimensions by up to 2". For seismic zone 2 and and up, add 4" to hoistway width to comply with Code requirements. Due to space limitations Rail Supported Elevator use compensation chain to avoid use of the counterweight guard.
- Use of 8mm and 10mm ropes for traction elevator was approved by ASME A17.7 - effective 1st July 2010.
- New York City Building Department has issued new rules governing the overhead requirements for MRL's. Please contact your AES representative.

Pit and Overhead Minimum Requirements for Cars with 8'-0" Cab Height

Speed	P2100		P2500		P3000		P3500	
	Pit	O.H.	Pit	O.H.	Pit	O.H.	Pit	O.H.
100 FPM*	5'-0"	14'-6"/14'-0"	5'-0"	14'-6"/14'-0"	5'-0"	14'-6"/14'-0"	5'-0"	14'-6"/14'-0"
150 FPM*	5'-0"	14'-6"/14'-1"	5'-0"	14'-6"/14'-1"	5'-0"	14'-6"/14'-1"	5'-0"	14'-6"/14'-1"
200 FPM*	5'-0"	14'-9"/14'-3"	5'-0"	14'-9"/14'-3"	5'-0"	14'-9"/14'-3"	5'-0"	14'-9"/14'-3"
250 FPM**	5'-6"	15'-0"/14'-6"	5'-6"	15'-0"/14'-6"	5'-6"	15'-0"/14'-6"	5'-6"	15'-0"/14'-6"
300 FPM**	5'-6"	15'-1"/14'-7"	5'-6"	15'-1"/14'-7"	5'-6"	15'-1"/14'-7"	5'-6"	15'-1"/14'-7"
350 FPM**	5'-6"	15'-4"/14'-10"	5'-6"	15'-4"/14'-10"	5'-6"	15'-4"/14'-10"	5'-6"	15'-4"/14'-10"

- Rail Supported MRL designed with Torin TPM series machine.
- *Spring buffers for car and counterweight based on ASME A17.1.
- **Oil buffers for car and counterweight based on ASME A17.1.
- O.H. Left column has spring or oil buffers with 6" Runby/Right Column has all oil buffers with 0" Runby.
- Note: For cars with tall cabs add 1" to O.H. for every inch of cab height added.

Note: Other hoistway sizes can be accommodated. Contact AES team for further information.