



MRL Family

Mid - High Rise

The EDGE MRL™ (Frame Building 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 hospital cars
- Capacities from 2,100 - 3,500 lb
- Speeds from 100 FPM to 350 FPM
- Travel up to 200 ft

Note: Machine beam pockets are required in the hoistway walls.



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". Due to space limitations Frame Building Supported Elevator use compensation chain to avoid use of the counterweight guard.
- For seismic zone 2 and and up, add 2" to hoistway width to comply with Code requirements.
- 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"

- Frame Building 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.

ALLIANCE

ELEVATOR SOLUTIONS