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

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

ALLIANCE
ELEVATOR SOLUTIONS

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 ½"	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 ½"	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 ½"	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 ½"	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 Frame Building 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 Pit	P2100 O.H.	P2500 Pit	P2500 O.H.	P3000 Pit	P3000 O.H.	P3500 Pit	P3500 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.

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