



# MRL Family

## Mid - High Rise

### The EDGE MRL™ (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 - 5,000 lb
- Speeds from 100 FPM to 500 FPM
- Travel up to 300 ft

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



# MRL FAMILY

## The EDGE MRL™ (Building Supported - Traction)

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'-6" x 6'-5"	3'-0"	5'-8" X 4'-3"	X		
2100	F&R	6'-0" x 5'-7 1/2"	7'-6" x 6'-8"	3'-0"	5'-8" X 4'-4"	X		
2500	F	7'-0" x 5'-1"	8'-6" x 6'-5"	3'-6"	6'-8" X 4'-3"	X	X	
2500	F&R	7'-0" x 5'-7 1/2"	8'-6" x 6'-8"	3'-6"	6'-8" X 4'-4"	X	X	
3000	F	7'-0" x 5'-6"	8'-6" x 6'-8"	3'-6"	6'-8" X 4'-8"	X	X	
3000	F&R	7'-0" x 5'-10 1/2"	8'-6" x 6'-11"	3'-6"	6'-8" X 5'-1"	X	X	
3500	F	7'-0" x 6'-3"	8'-6" x 7'-0"	3'-6"	6'-8" X 5'-5"	X	X	
3500	F&R	7'-0" x 6'-7 1/2"	8'-6" x 7'-8"	3'-6"	5'-8" X 5'-5"	X	X	
4000**	F	8'-0" x 6'-3"	9'-7" x 7'-0"	4'-0"	7'-8" X 5'-5"	X	X	
4000**	F&R	8'-0" x 6'-9"	9'-7" x 7'-9 1/2"	4'-0"	7'-8" X 5'-5"			X
4000H	F	6'-0" x 8'-5"	7'-6" x 9'-3"	4'-0"	5'-8" X 7'-5"			X
4000H	F&R	6'-0" x 9'-1/2"	7'-6" x 10'-4"	4'-0"	5'-8" X 7'-5"			X
4500H	F	6'-0" x 8'-9"	7'-6" x 9'-7"	4'-0"	5'-8" X 7'-9"			X
4500H	F&R	6'-0" x 9'-4 1/2"	7'-6" x 10'-9"	4'-0"	5'-8" X 7'-10"			X
5000H**	F	6'-0" x 9'-8"	7'-6" x 10'-6"	4'-0"	5'-8" X 8'-8"			X
5000H**	F&R	6'-0" x 10'-4"	7'-6" x 11'-7 1/2"	4'-0"	5'-8" X 8'-8"			X

- 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 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 a Alliance Elevator Solutions representative.
- Clear inside will vary slightly dependent on door speed and interior finishes

\*\*Custom sizes. Contact your AES representative for accurate pricing.

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

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

Speed	P2100, P2500, P3000, P3500		P4000, S4000, S4500, S5000	
	Pit	O.H.	Pit	O.H.
100 FPM*	5'-0"	16'-1"/15'-8"	5'-0"	15'-7"/15'-2"
150 FPM*	5'-0"	16'-2"/15'-8"	5'-0"	15'-8"/15'-2"
200 FPM*	5'-0"	16'-4"/15'-9"	5'-0"	15'-10"/15'-3"
250 FPM**	5'-6"	16'-8"/16'-2"	5'-6"	16'-2"/15'-8"
300 FPM**	5'-6"	16'-8"/16'-2"	5'-6"	16'-2"/15'-8"
350 FPM**	5'-6"	17'-0"/16'-6"	5'-6"	16'-6"/16'-0"
400 FPM**	5'-9"	16'-9"/16'-3"	6'-0"	16'-9"/16'-3"
450 FPM**	6'-3"	17'-4"/16'-10"	6'-6"	17'-4"/16'-10"
500 FPM**	6'-3"	17'-6"/17'-0"	6'-6"	17'-6"/17'-0"

- Building Supported MRL is designed with a Torin TSM series machine which requires high voltage.
- 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.

\*Spring buffers for car and counterweight based on ASME A17.1.  
\*\*Oil buffers for car and counterweight based on ASME A17.1.

# ALLIANCE

## ELEVATOR SOLUTIONS