



# MRL Family

## Low Rise

### The ADVANTAGE MRL™ (Hydraulic)

AVAILABLE IN TWO ARRANGEMENT OPTIONS:

#### ADVANTAGE MRL™ IPA

The In-Pit Arrangement MRL utilizes an in-pit power unit accompanied by an in-wall controller making this space saving configuration the ideal choice when every square inch of floor space counts.

#### ADVANTAGE MRL™ EDA

The Equipment Door Arrangement MRL utilizes engineered components and is a fantastic choice for service-minded building owners as it allows for easy access to many of the service components of the elevator equipment.

#### Advantages:

- Saves on valuable floor space
- Cost effective
- Low True cost of ownership
- Standard & custom dimensions/interiors available

#### Equipment Capabilities\*:

- Passenger cars
- Capacities from 2,100 - 4,500 lb
- Speeds up to 100 FPM
- Travel up to 41'2" based on adequate pit and hoistway space



# ALLIANCE

## ELEVATOR SOLUTIONS



# MRL FAMILY

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### Low Capacity Standard Dimension & Specification Chart

Capacity (lb)	Openings (Front/Rear)	Door Type and Width	Platform Size W x D	Hoistway Size W x D	Clear Inside W x D	Running Clearance Sill/Plat	Sill Depth Required
2100	F	SSSO 36"	6'-0" x 5'-1"	7'-4" x 5'-9"	5'-8" x 4'-3"	1 ¼"	5"
2100	F&R	SSSO 36"	6'-0" x 5'-7 ½"	7'-4" x 6'-8"	5'-8" x 4'-3"	1 ¼"	5"
2500	F	SSSO 42"	7'-0" x 5'-1"	8'-4" x 5'-9"	6'-8" x 4'-3"	1 ¼"	5"
2500	F&R	SSSO 42"	7'-0" x 5'-7 ½"	8'-4" x 6'-8"	6'-8" x 4'-3"	1 ¼"	5"
3000	F	SSSO 42"	7'-0" x 5'-6"	8'-4" x 6'-2"	6'-8" x 4'-6"	1 ¼"	5"
3000	F&R	SSSO 42"	7'-0" x 5'-10 ½"	8'-4" x 6'-11"	6'-8" x 4'-6"	1 ¼"	5"
3500	F	SSSO 42"	7'-0" x 6'-3"	8'-4" x 6'-11"	6'-8" x 5'-5"	1 ¼"	5"
3500	F&R	SSSO 42"	7'-0" x 6'-7 ½"	8'-4" x 7'-8"	6'-8" x 5'-5"	1 ¼"	5"
4000**	F	SSSO 42"	8'-0" x 6'-3"	9'-4" x 6'-11"	7'-8" x 5'-5"	1 ¼"	5"
4000**	F&R	SSSO 42"	8'-0" x 6'-7 ½"	9'-4" x 7'-8"	7'-8" x 5'-5"	1 ¼"	5"
4000H	F	2SSO 48"	6'-0" x 8'-5"	7'-4" x 9'-2 ½"	5'-8" x 7'-5"	1 ¼"	6 ½"
4000H	F&R	2SSO 48"	6'-0" x 9'-0 ½"	7'-4" x 10'-4"	5'-8" x 7'-5"	1 ¼"	6 ½"
4500H	F	2SSO 48"	6'-0" x 8'-9"	7'-4" x 9'-6 ½"	5'-8" x 7'-9"	1 ¼"	6 ½"
4500H	F&R	2SSO 48"	6'-0" x 9'-4 ½"	7'-4" x 10'-9"	5'-8" x 7'-9"	1 ¼"	6 ½"
5000H**	F	2SSO 48"	6'-0" x 9'-8"	7'-6" x 10'-7"	5'-8" x 8'-8"	1 ¼"	6 ½"
5000H**	F&R	2SSO 48"	6'-0" x 10'-4"	7'-6" x 11'-7"	5'-8" x 8'-8"	1 ¼"	6 ½"

#### OVERHEAD REQUIRED - QUICK CALCULATION

	SINGLE STAGE		TWO STAGE		THREE STAGE	
	100 FPM	125 FPM	100 FPM	125 FPM	100 FPM	125 FPM
Pit Depth	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
Overhead	12'-8"	12'-9"	13'-6"	13'-6"	13'-6"	13'-6"
Top Over Travel	4"	5"	10"	14"	10"	14"
Bottom Over Travel	6"	7"	7"	8"	7"	8"
Travel	13'-10"	13'-7"	24'-2"	22'-4"	38'-6"	36'-0"
Cab Height	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"

\*Minimum overhead subject to change based on project specifics

#### APPROXIMATE CLEAR INSIDE DIMENSIONS OF CAB

Width = Platform width less than 4"

#### Depth = Front Open Only

- SSSO & CO Doors = Platform Depth Less 10"
- 2SSO Doors = Platform Depth less 11 ½"

#### Depth = Front & Rear Open

- SSSO & CO Doors = Platform Depth Less 16"
- 2SSO Doors = Platform Depth less 19"

#### D.B.G. (Distance Between Guides)

Platform Width plus 3 ¼" 12#

#### STANDARD SIZES

- Our standard cab height is 8'
- Our standard pit depth is 4'
- Contact AES for machine room requirements

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

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

If 3 stage jacks are required, 2" additional Hoistway width is needed



\*EDA Configurations  
Add 8" to hoistway width,  
OR 12" to hoistway depth



Passenger & Hospital Cars Available