

AVT Lifts MRL BUILDING SUPPORTED MRL TRACTION STANDARD PASSENGER CAR ELEVATORS

Capacity:	2100 - 4000 LBS	Minimum Pit Depths:		Minimum Clear Overhead:	
Maximum Floor Travel:	300'-0"	150 & 200 fpm:	5'-0"	Speed	2100# - 3500#
Car Speed:	150,200,350 fpm	350 fpm:	5'-6"	150fpm	14'5"
				200fpm	14'10"
				350fpm	15'7"
					15'11"
					16'8"

Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	Hoistway Size (Width x Depth)	Platform Size (Width x Depth)	Clear Inside Car Dimensions (Width x Depth)	Standard Entrance Width	Entrance Door Type(s)
P2100	FO	7'-8" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2100	FR	7'-8" x 6' -8 1/2"	6'-0" x 5'-8"	5'-8" x 4'-4"	3'-0" x 7'0"	SSO
P2500	FO	8'-6" x 5'-10"	6'-10" x 5'-1"	6'-6" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P2500	FR	8'-6" x 6' -8 1/2"	6'-10" x 5'-8"	6'-6" x 4'-4"	3'-6" x 7'0"	SSO / SCO
P3000	FO	8'-6" x 6'-2"	6'-10" x 5'-6"	6'-6" x 4'-9"	3'-6" x 7'0"	SSO / SCO
P3000	FR	8'-6" x 7' -1 1/2"	6'-10" x 6'-1"	6'-6" x 4'-9"	3'-6" x 7'0"	SSO / SCO
(1) P3500	FO	8'-6" x 6'-11"	6'-10" x 6'-2"	6'-6" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(1) P3500	FR	8'-6" x 7' -9 1/2"	6'-10" x 6'-9"	6'-6" x 5'-5"	3'-6" x 7'0"	SSO / SCO
(1) P4000	FO	9'-6" x 6'-11"	7'-10" x 6'-2"	7'-6" x 5'-5"	3'-6" / 4'-0" x 7'0"	SSO / SCO
(1) P4000	FR	9'-6" x 7' -9 1/2"	7'-10" x 6'-9"	7'-6" x 5'-5"	3'-6" / 4'-0" x 7'0"	SSO / SCO

*Notes:

Hoistway Dimensions listed are for non-seismic zone; for seismic zone 2 and above, add 4" to hoistway width.

To improve installation efficiencies it is recommended to increase the hoistway widths 2" .

Custom sizes are available, contact the AVT Lifts Sales Department for details

Door Types: SSO - Single Speed Side Opening; SCO - Single Speed Center Opening
2100 lb. capacity elevators are not available with Single-Speed-Center-Opening, (SCO), doors.
(1) 3500 lb. capacity elevators must have 3'-6" wide Single-Speed, Side-Opening, (SSO), to meet 84" stretcher IBC Code requirement.
A 4000# passenger elevator must have 42" single slide or 48" center opening doors to meet stretcher requirements.

Overhead dimensions are based on standard 7'9" overall cab height and 7'3" clear cab height
For clear overhead requirements in areas enforcing pre ASME A17.1- 2008 Safety Code for Elevators,
contact AVT Lifts Sales Department for details

A safety/hoisting beam, which is to be provided and installed by others in the location designated on the AVT Lifts elevator shop drawings is required by OSHA 1926.502. Clear overhead is to be measured from the upper floor level finish floor height to the underside of the safety/hoisting beam.

Controller Closets for Guide Building Supported MRL Traction Elevators

Minimum Sizes	Simplex: 4'-4" Wide x 1'-8" Deep with (1) 3'-0" Wide x 6'-8" High Door Duplex: 7'-0" Wide x 5'-6" Deep with (1) 3'-0" Wide x 6'-8" High Door
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The optimal location for the controller closet is adjacent to the hoistway at the upper floor level. Controller closet can be located remotely and at different floor levels for an additional cost. Contact AVT Lifts Sales Department for more details

Controller closet temperature range to be a 32 F minimum - 100 F maximum. The non-condensing relative humidity levels should range between 10 - 90%