

BUILDING SUPPORTED MRL TRACTION SERVICE CAR ELEVATORS

Capacity:	3500 - 5000 LBS			Minimum Pit Depths:		Minimum Clear Overhead:
Maximum Floor Travel:	300'-0"			150 & 200 fpm:	5'-0"	150 fpm: 15'-6"
Car Speed:	150, 200 & 350 FPM			350 fpm:	5'-6"	200 fpm: 15'-11"
						350 fpm: 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 Dimensions	Entrance Door Type(s)
S3500	FO	8'-2" x 8'-7 1/2"	5'-10" x 7'-9 1/2"	5'-6" x 6'-9 1/2"	4'-0" x 7'-0"	TSO
S3500	FR	8'-2" x 9'-8"	5'-10" x 8'-4 1/2"	5'-6" x 6'-9 1/2"	4'-0" x 7'-0"	TSO
S4000	FO	8'-2" x 9'-0 1/2"	5'-10" x 8'-2 1/2"	5'-6" x 7'-3"	4'-0" x 7'-0"	TSO
S4000	FR	8'-2" x 10'-1 1/2"	5'-10" x 8'-10"	5'-6" x 7'-3"	4'-0" x 7'-0"	TSO
S4500	FO	8'-2" x 9'-8"	5'-10" x 8'-10 1/2"	5'-6" x 7'-11"	4'-0" x 7'-0"	TSO
S4500	FR	8'-2" x 10'-9"	5'-10" x 9'-5 1/2"	5'-6" x 7'-11"	4'-0" x 7'-0"	TSO
S5000	FO	8'-2" x 10'-2 1/2"	5'-10" x 9'-4 1/2"	5'-6" x 8'-5"	4'-0" x 7'-0"	TSO
S5000	FR	8'-2" x 11'-3 1/2"	5'-10" x 10'-0"	5'-6" x 8'-5"	4'-0" x 7'-0"	TSO

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".

Door Types: TSO - Two-Speed, Side Opening, (Right-Hand or Left-Hand)

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 are 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

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%