

## IN-GROUND JACK STANDARD SERVICE CAR ELEVATORS

Capacity                    LBS  
 Maximum Floor Travel: 60'-0"  
 (Standard Single-Stage In-Ground Jacks)

Car Speed:                80, 100, 125 & 150

Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	Hoistway Size (Width x Depth)	Platform Size (Width x Depth)	Clear Inside Car Dimesions (Width x Depth)	Standard Entrance Width	Standard Entrance Height	Entrance Door Type(s)
S3500	FO	7'-4" x 8'-7 1/2"	6'-0" x 7'-9 1/2"	5'-8" x 6'-9 1/2"	4'-0"	7'-0"	TSO
S3500	FR	7'-4" x 9'-8"	6'-0" x 8'-4 1/2"	5'-8" x 6'-9 1/2"	4'-0"	7'-0"	TSO
S4000	FO	7'-4" x 9'-0 1/2"	6'-0" x 8'-2 1/2"	5'-8" x 7'-3"	4'-0"	7'-0"	TSO
S4000	FR	7'-4" x 10'-1 1/2"	6'-0" x 8'-10"	5'-8" x 7'-3"	4'-0"	7'-0"	TSO
S4500	FO	7'-4" x 9'-8"	6'-0" x 8'-10 1/2"	5'-8" x 7'-11"	4'-0"	7'-0"	TSO
S4500	FR	7'-4" x 10'-9"	6'-0" x 9'-5 1/2"	5'-8" x 7'-11"	4'-0"	7'-0"	TSO
S5000	FO	7'-4" x 10'-2 1/2"	6'-0" x 9'-4 1/2"	5'-8" x 8'-5"	4'-0"	7'-0"	TSO
S5000	FR	7'-4" x 11'-3 1/2"	6'-0" x 10'-0"	5'-8" x 8'-5"	4'-0"	7'-0"	TSO

Notes:  
 Dimensions shown on chart above are for standad non seismic zone only per ASME A17.1 amd CSA B44. For seismic zone 2+ add 2" to hoistway width.

Minimum Pit Depths: 4'-0"

Minimum Clear Ovehead:                    Up to 100 fpm            Over 100 fpm  
 (w/8'-0" standard cab height)                    12'-1"                    12'-4"

Note: Inside clear cab height of 7'-6" from finish floor to suspended drop ceiling on standard hydraulic elevator 8'-0" overall high cab. Optional cabs with extended heights are availbllle, however the clear overhead heights must be increased. 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 mesured from the upper floor level finish floor height to the underside of the safety/hoisting beam.

## **Machine Room Sizing for In-Ground Jack Hydraulic Elevators**

### Single Car Elevator:

Submersible Power Unit: 7'-0" x 7'-0" w/ Minimum 3'-6" Wide x 6'-8" High Door

Dry Power Unit: 10'-0" x 6'-0" w/ Minimum 4'-0" Wide x 6'-8" High Door

### Dual Car Elevator:

Submersible Power Unit: 10'-6" x 10'-6" w/ Minimum 3'-6" Wide x 6'-8" High Door

Dry Power Unit: 15'-0" x 12'-0" w/ Minimum 4'-0" Wide x 6'-8" High Door

### Notes:

All machine rooms must have a clear floor to ceiling height of 7'-6"

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