

IN-GROUND JACK STANDARD PASSENGER CAR ELEVATORS

Capacity 2100 - 4000 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 Dimensions (Width x Depth)	Standard Entrance Width	Standard Entrance Height	Entrance Door Type(s)
P2100	FO	7'-4" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-4"	3'-0"	7'-0"	SSO
P2100	FR	7'-4" x 6' -8 1/2"	6'-0" x 5'-8"	5'-8" x 4'-4"	3'-0"	7'-0"	SSO
P2500	FO	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-4"	3'-6"	7'-0"	SSO / SCO
P2500	FR	8'-4" x 6' -8 1/2"	7'-0" x 5'-8"	6'-8" x 4'-4"	3'-6"	7'-0"	SSO / SCO
P3000	FO	8'-4" x 6'-2"	7'-0" x 5'-6"	6'-8" x 4'-9"	3'-6"	7'-0"	SSO / SCO
P3000	FR	8'-4" x 7' -1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-9"	3'-6"	7'-0"	SSO / SCO
(1) P3500	FO	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-5"	3'-6"	7'-0"	SSO / SCO
(1) P3500	FR	8'-4" x 7' -9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-5"	3'-6"	7'-0"	SSO / SCO
(1) P4000	FO	9'-4" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-5"	3'-6" / 4'-0"	7'-0"	SSO / SCO
(1) P4000	FR	9'-4" x 7' -9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-5"	3'-6" / 4'-0"	7'-0"	SSO / SCO

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.

Door Types: SSO - Single-Speed, Side Opening,
 SCO - Single-Speed, Center-Opening

Minimum Pit Depths: 4'-0"

Minimum Clear Overhead: Up to 100 fpm 8'-0" standard cab height) 12'-1"
 Over 100 fpm 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 available, however the clear overhead heights must be increased. Contact AVT Lifts Sales Department for details.

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 lb. capacity elevators must have either a 4'-0" wide Single-Speed, Side-opening or 3'-6" wide Single-Speed, Side-Opening doors to meet the 84" stretcher IBC code requirement.

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.

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%.