

DUAL HOLELESS JACK STANDARD SERVICE CAR ELEVATORS

Capacity 3500 - 5000 LBS
 Maximum Floor Travel: 1-Stage Jacks: 12'-8"
 (Standard Travels) 2-Stage Jacks: 23'-6"
 3-Stage Jacks: 33'-6"
 Car Speed: 80, 100, 125 & 150

Capacity (lbs.)	Opening Configuration FO - Front Only FR - Front Rear	1-Stage & 2-Stage Hoistway Size (Width x Depth)	3-Stage 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)
S3500	FO	7'-4" x 8'-7 1/2"	7'-8" 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"	7'-8" 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"	7'-8" 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"	7'-8" 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"	7'-8" 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"	7'-8" 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"	7'-8" 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"	7'-8" 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.
 Extended floor travels are available for dual 3-Stage jack hydraulic elevators. Contact AVT Lifts Sales Department for available travel and minimum overhead requirements

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

Minimum Pit Depths: 4'-0"

Minimum Clear Ovehead:		Up to 100 fpm	Over 100 fpm
(w/8'-0" standard cab height)	1-Stage	12'-3"	12'-6"
	2-Stage	12'-6"	12'-6"
	3-Stage	13'-0"	13'-0"

Note: For clear overhead requirements on hydraulic elevators with extended travels contact AVT Lifts Sales Department.

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.

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 Holeless 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%.