AVT LIFTS HYDRAULIC ELEVATORS

DATE: 12/03/2018 REV-3

DUAL HOLELESS JACK STANDARD PASSENGER CAR ELEVATORS

Capacity 2100 - 4000 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 Dimesions (Width x Depth)	Standard Entrance Width	Standard Entrance Height	Entrance Door Type(s)
P2100	FO	7'-4" x 5'-10"	7'-8" 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"	7'-8" x 6' -8"	6'-0" x 5'-8 1/2"	5'-8" x 4'-4"	3'-0"	7'-0"	SSO
P2500	FO	8'-4" x 5'-10"	8'-8" 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"	8'-8" x 6' -8"	7'-0" x 5'-8 1/2"	6'-8" x 4'-4"	3'-6"	7'-0"	SSO/SCO
P3000	FO	8'-4" x 6'-2"	8'-8" 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"	8'-8" 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"	8'-8" 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"	8'-8" 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"	9'-8" 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"	9'-8" 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. 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: SSO - Single-Speed, Side Opening,

SCO - Single-Speed, Center-Opening

Minimum Pit Depths: 4'-0"

Minimum Clear Overhead:		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 ovehead requirements on hydraulc 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.

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" strecther IBC Code requiement. A 4000 lb. capacity elevators must have eith a 4'-0" wide Single-Speed, Center-Opening, (SCO), or 3'-6" wide Single-Speed, Side-Opening, (SSO), doors to meet the 84" strecther IBC code requirement.

A safey/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 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 temperture range to be a 32 F minimum - 100 F maximum. The non-condensing relative humidity levels should range between 10-90%.