

Traction Passenger Elevators for High-Rise Buildings

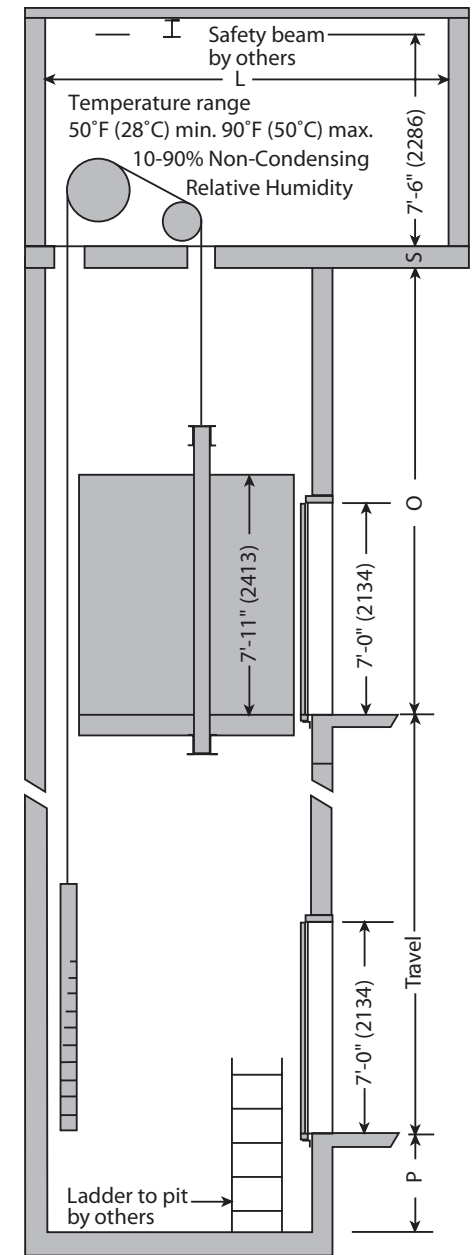
Capacity in Pounds	(A) Clear Inside Width	(B) Clear Inside Depth	(C) Center-Opening Door Width	(D) ¹ Hoistway Width	(E) ² Hoistway Depth	(F) ³ Duplex Hoistway	(G) Platform Width	(H) Platform Depth	(I) Single-Speed Car Door Width
2100 (953 kg)	5'-8" (1727)	4'-3" (1295)	N/A ⁴	7'-4" (2235)	6'-8" (2032)	15'-0" (4572)	6'-0" (1829)	5'-1" (1555)	3'-0" (914)
2500 (1134 kg)	6'-8" (2032)	4'-3" (1295)	3'-6" (1067)	8'-4" (2540)	6'-8" (2032)	17'-0" (5182)	7'-0" (2134)	5'-1" (1555)	3'-6" (1067)
3000 (1361 kg)	6'-8" (2032)	4'-9" (1448)	3'-6" (1067)	8'-4" (2540)	7'-2" (2184)	17'-0" (5182)	7'-0" (2134)	5'-7" (1773)	3'-6" (1067)
3500 (1588 kg)	6'-8" (2032)	5'-5" (1651)	3'-6" (1067)	8'-4" (2540)	7'-10" (2388)	17'-0" (5182)	7'-0" (2134)	6'-3" (1920)	3'-6" (1067)
4000 (1814 kg)	7'-8" (2337)	5'-5" (1651)	4'-0" (1219) ⁵	9'-4" (2845)	7'-10" (2388)	19'-0" (5791)	8'-0" (2438)	6'-3" (1920)	3'-6" (1067) ⁵

1 Add 4" (102) for seismic. 2 Add 2" (51) for seismic. 3 Add 8" (203) for seismic. 4 Center-Opening not available on this model, see I¹ for dimensions.
5 To meet the requirements of IBC Code for 84" stretchers, a 4'-0" (1219) Center-Opening or 3'-6" (1067) Side-Slide (Single-Speed) door is required. Contact Vertical Express for Code requirements in your jurisdiction.
NOTE: Hoistway dimensions are based on 1" (25) out of plumb and no occupied space below hoistway. If these conditions cannot be met, then consideration must be given for additional required space.

Minimum Machine Room, Overhead, Pit Dimensions

Capacity	Speed Feet Per Minute (fpm)	Length	Overhead	Pit*
2100 (953 kg)	200 (1.0m/s)	16'-0" (4877)	15'-0" (4572)	5'-0" (1524) ⁶
	350 (1.7m/s)	16'-0" (4877)	15'-0" (4572)	5'-0" (1524) ⁶
	450/500 (2.2/2.5m/s)	N/A	N/A	N/A
2500 (1134 kg)	200 (1.0m/s)	16'-0" (4877)	15'-0" (4572)	5'-0" (1524) ⁶
	350 (1.7m/s)	16'-0" (4877)	15'-0" (4572)	5'-0" (1524) ⁶
3000 (1361 kg)	450/500 (2.2/2.5m/s)	16'-0" (4877)	16'-0" (4877)	6'-6" (1981)
	200 (1.0m/s)	16'-0" (4877)	15'-0" (4572)	5'-0" (1524) ⁶
	350 (1.7m/s)	16'-0" (4877)	15'-8" (4775)	5'-0" (1524) ⁶
3500 (1588 kg)	450/500 (2.2/2.5m/s)	16'-0" (4877)	16'-0" (4877)	6'-6" (1981)
	200 (1.0m/s)	16'-0" (4877)	15'-0" (4572)	5'-0" (1524) ⁶
	350 (1.7m/s)	16'-0" (4877)	15'-8" (4775)	5'-0" (1524) ⁶
4000 (1814 kg)	450/500 (2.2/2.5m/s)	16'-0" (4877)	17'-2" (5232)	6'-6" (1981)
	200 (1.0m/s)	16'-0" (4877)	15'-0" (4572)	5'-0" (1524) ⁶
	350 (1.7m/s)	16'-0" (4877)	16'-0" (4877)	5'-0" (1524) ⁶
	450/500 (2.2/2.5m/s)	N/A	N/A	N/A

* Consult Vertical Express for travel over 250'-0" (76200).
6 5'-9" Pit may be required for 2000 Code compliance, if 48" retractable toe guard is not used.
NOTE: Pit based on chain compensation. Add 2'-8" (813) for rope compensation.



S = Concrete structural support slab by others. Machine room floor to support all elevator machine loads and floor loads per ASME A17.1.