



US-60-1R

Technical Data

ELEVATOR

Elevator drive	Rack and pinion
Maximum passengers	30
Total base unit weight	15,656 lbs (7,116 kg)
Capacity	6,000 lbs (2,722 kg)

CAR/GATES

Car weight	5,600 lbs (2,545 kg)
Maximum car speed	150 ft/min (45.73 m/min)
Interior dimensions	12'4" L x 4'8" W x 7'2" H (3.76 m x 1.42 m x 2.18m)
Landing gates	Swinging Gates

TOWER

Maximum tower height	900' (274.32 m) Consult Factory for Greater Heights
Dimensions of tower	38" W x 28" L x 60" H (.97 m x .71 m x 1.52 m)
Weight of tower	300 lbs (136 kg)
Wall ties	Adjustable Strut
Tie-in intervals	30' (9.14 m)

MOTOR/POWER

Electrical motor	35 HP 26 KW
Power required	33 KVA, 480 VAC, 60 Hz, 3Ø
Motor control	Variable Frequency Drive
Electrical outlet	120 VAC In Car
Base disconnect	Circuit Breaker in NEMA 4 Enclosure
Full load current	39.5 Amps
Traveling cable	Multi-Conductor Type W – Tower Height Plus 30' (9.14 m)

BRAKES

Brake	Spring Set, Electrical Release Multiple Disc Brake
Safety overspeed governor	Centrifugal Actuated Multiple Friction Disc Brake
Stopping distance accuracy	+/- .6" (+/- 15.24mm)
Brake torque	175 ft./lbs. (102 Nm)

COUNTER-WEIGHT

Weight of counterweight	5,600 lbs (2,545 kg)
Counterweight wire ropes	5/8" (15.88 mm) 6x25 XIP-IWRC
Length of counterweight ropes	2 x Tower Height Plus 30' (9.14 m)

STANDARD BASE UNIT

- Fully assembled enclosed car
- Overspeed governor
- Two manually operated vertically bi-parting car gates
- Control and limit switches
- 20' of tower for 0 lifting height
- Hot Dipped Galvanized Car & Tower
- Counterweight & Cathead Assembly
- Variable Frequency Drive (VFD)
- Base fence enclosure
- Base disconnect box
- Buffer stand and springs
- Power cord guide trailing wheel assembly
- GFI Receptacle in Car
- Hand lever control
- Interior Car Lighting

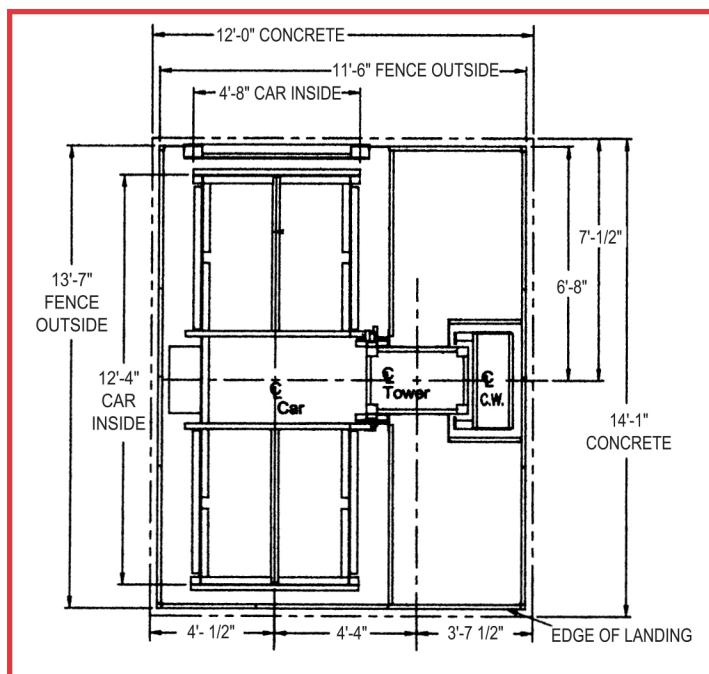
OPTIONAL FEATURES

- Base platform and stairs
- Building landing gates
- Landing call station
- Automatic control system
- Emergency lighting systems
- Additional tower sections
- Wall Ties
- Auxiliary manual hand control provision for opposite hand installation
- Gin pole with winch for tower erection
- Communication or signal system
- Alarm installation
- Pit light & switch
- Pit stop switch
- Car top light & switch
- Car top receptacle

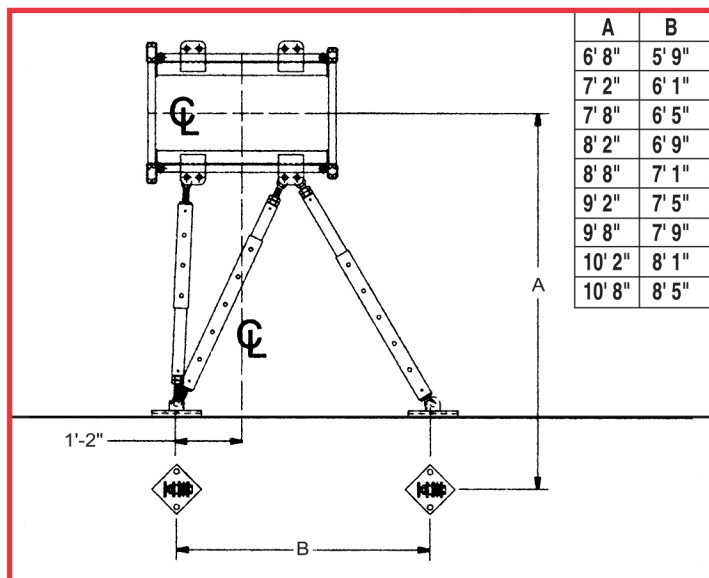


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FOUNDATION DIMENSIONS

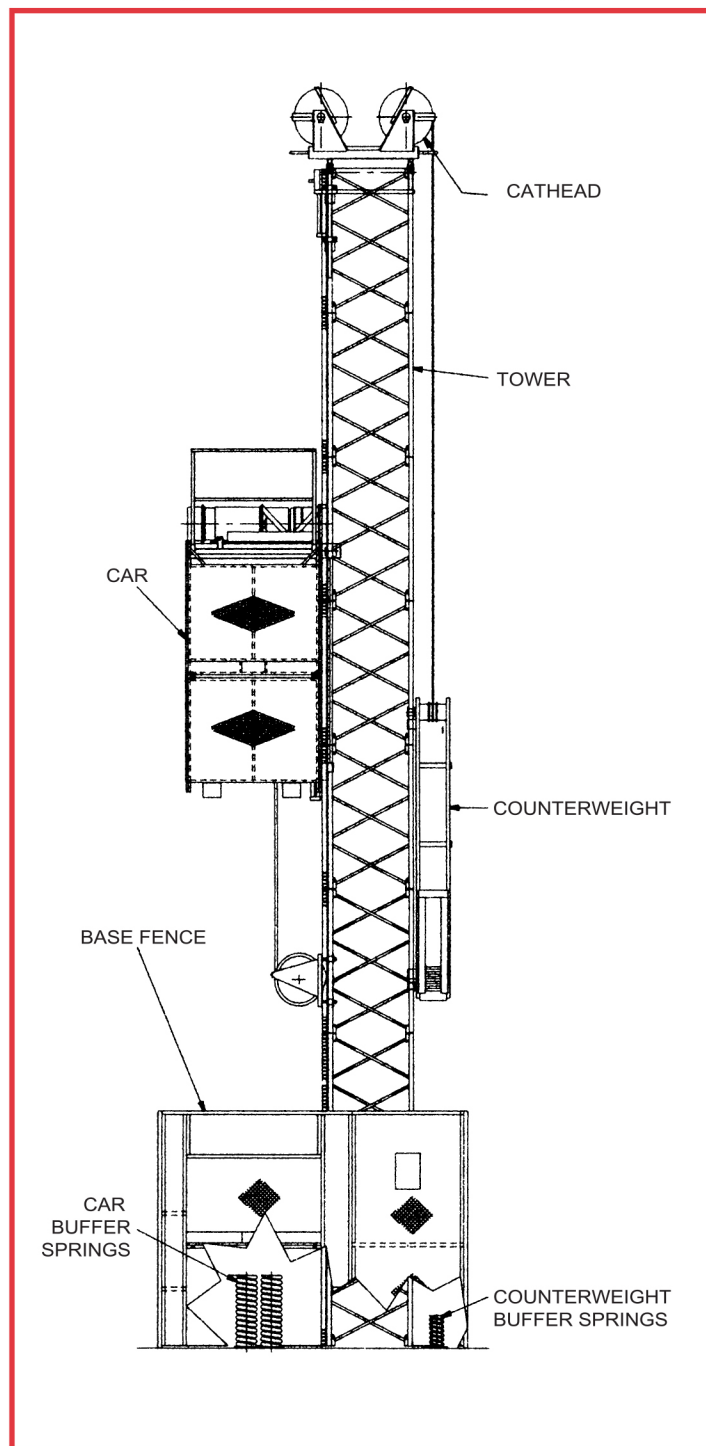


WALL TIE DETAIL



Dimensions are typical, please consult with engineering for specific configurations.

BASIC ELEMENTS



Champion Elevators are designed to comply with ANSI A10.4 and/or A17.1 Part XV. Use of products must conform to safe practice and applicable statutes, regulations, codes, and ordinances. Drawings are illustrative only and do not necessarily depict exact configurations of products offered at a particular time. Champion Elevators, Inc. has a policy of continuous product research and development, and reserves the right to change design and specifications without notice.