



PLANNING AND DESIGN GUIDE

Hydraulic Freight Elevators



Schumacher Hydraulic Freight Elevators:

- Car Frame and Platform are reinforced for extra stability.
- Car Enclosure panels are individually replaceable.
- Vertical Bi-Parting doors allow for easy loading of freight.
- Power or Manual doors are available.
- Signal Equipment and lighting are recessed for protection.
- Elevators are assembled before shipping for easy installation.
- Car enclosures are manufactured using #14 gauge steel.

Schumacher hydraulic freight elevators are built tough and dependable to stand up against heavy everyday use for years. Schumacher Elevator has the ability to produce your standard elevator package needs, while specializing in custom engineering with a complete design staff.

Schumacher Elevator manufactures five classes of freight elevators to best meet the needs of your building. All Schumacher freight elevators are designed in accordance with ASME A17.1, Rule 207.2b, according to the following specified load classification.

Class A: General Freight Loading

Where the load is distributed, the weight of any single piece of freight or of any single hand truck and its load is not more than one-quarter the rated load of the elevator, and the load is handled on and off the car platform manually or by means of hand trucks.

Class B: Motor Vehicle Loading

The elevator is used solely to carry automobile trucks or passengers automobiles up to the rated capacity of the elevator.

Class C1: Industrial Truck Loading

Where the truck is carried by the elevator.

Class C 2: Industrial Truck Loading

Where the truck is not usually carried by the elevator but used only for loading and unloading.

Class C 3: Other Loading with Heavy Concentrations

Where a truck is not usually used.

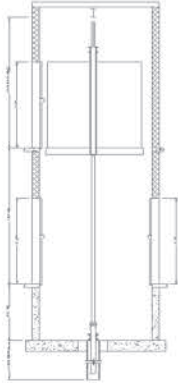


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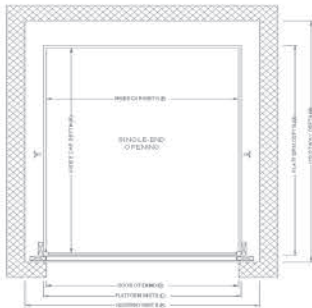
The charts and drawings show recommended sizes and capacities for typical building installations.



Pit and Overhead Dimensions

| | | | |
|---------------------|-------|-------|-------|
| Speed (FPM) | 50 | 75 | 100 |
| Overhead (O) | 14'6" | 14'6" | 14'6" |
| Pit (P) | 5'0" | 5'0" | 5'0" |

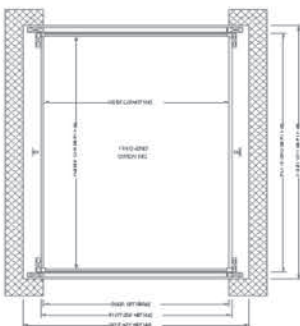
Single-End Opening



| | Hoistway | | Platform | | Inside Car | | Door | |
|----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|---------------------|
| Capacity | Width (A) | Depth (B) | Width (C) | Depth (D) | Width (E) | Depth (F) | Width (G) | Type |
| 3000 | 8'2" | 10'0" | 6'4" | 9'5" | 6'0" | 9'0" | 6'0" | Vertical Bi-Parting |
| 6000 | 10'2" | 13'0" | 8'4" | 12'5" | 8'0" | 12'0" | 8'0" | Vertical Bi-Parting |
| 10000 | 12'2" | 14'0" | 10'4" | 13'5" | 10'0" | 13'0" | 10'0" | Vertical Bi-Parting |
| 20000 | 14'2" | 23'0" | 12'4" | 22'5" | 12'0" | 22'0" | 12'0" | Vertical Bi-Parting |

Dimensions shown are for power operated doors of regular type with 8'0" clear opening and cab height. Changes required if other than above. Subtract 4 inches for manual doors.

Two-End Opening



| | Hoistway | | Platform | | Inside Car | | Door | |
|----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|---------------------|
| Capacity | Width (A) | Depth (B) | Width (C) | Depth (D) | Width (E) | Depth (F) | Width (G) | Type |
| 3000 | 8'2" | 10'4" | 6'4" | 9'6" | 6'0" | 9'0" | 6'0" | Vertical Bi-Parting |
| 6000 | 10'2" | 13'4" | 8'4" | 12'6" | 8'0" | 12'0" | 8'0" | Vertical Bi-Parting |
| 10000 | 12'2" | 14'4" | 10'4" | 13'6" | 10'0" | 13'0" | 10'0" | Vertical Bi-Parting |
| 20000 | 14'2" | 23'4" | 12'4" | 22'6" | 12'0" | 22'0" | 12'0" | Vertical Bi-Parting |

Dimensions shown are for power operated doors of regular type with 8'0" clear opening and cab height. Changes required if other than above. Subtract 4 inches for manual doors.

Dimensions should be used only as a preliminary planning guide. Please contact Schumacher Elevator or your Schumacher distributor for additional information before beginning construction.