

Schumacher Home Elevator



www.schumacherelevator.com

Schumacher Home Elevator

Homeowners put forth a challenge for elevator manufacturers to design an elevator that offers style and accessibility while easily fitting into home construction. Schumacher Elevator grabbed hold of this challenge with both hands and put its more than 65 years of experience to work. Their resulting success produced the Schumacher Home Elevator, a system that provides the quality, design, and craftsmanship Schumacher exemplifies in the commercial elevator industry, while offering homeowners an affordable option to add luxury, accessibility and value to their home.



Wrap-Around Door

- Two sizes designed to fit your home
- Interiors to complement any décor
- Environmentally friendly "holeless" hydraulic design
- Operates on normal household current
- Engineered safety and emergency features, with battery backup
- Computer controlled operation for a smooth ride
- Automatic car doors
- Affordable
- Schumacher limited one-year warranty

Each elevator is equipped with automatic controls for easy operation and a smooth ride and is manufactured with commercial grade components to ensure quality, performance and longevity. To help keep passengers safe, electromechanical interlocks are used to prevent elevator movement while the doors are open and also prevent hallway doors from opening while the car is not at a landing. Other engineered safety features throughout the Schumacher Home Elevator include emergency light and alarm, handrails, and battery powered safety descent in the event of a power failure. The Schumacher Home Elevator has a whisper quiet hydraulic drive, quieter than most home appliances, with the motor and operating mechanism located out of the way on the lower level.

Schumacher Luxury Car

The Schumacher Luxury Car is hand-crafted from solid hard woods custom stained to match any decor. The SLC comes with such standard amenities as a stainless titanium car station, phone box, and hall stations available in several finishes as well as matching hard wood handrail. An optional automatic car door is also available for added convenience.



Precision crafted raised panel construction is highlighted by a halogen lighting system.



Shown with optional trim

The SLC package adds elegance and sophistication to any decor. You will see the reflections of your own high standards in the quality and craftsmanship of this elevator.



Standard Laminate Cab

The Schumacher Home Elevator exceeds safety codes as established by The American Society of Mechanical Engineers (ASME A17.1). The elevator carries a limited one-year warranty on materials and workmanship, and has been proven for reliability and durability. We invite you to compare the Schumacher Home Elevator to any competitor because we are confident you will find this elevator superior in design, quality, and workmanship.

Our standard cab is built of wood core construction finished with your choice of quality laminate. Fixtures are provided in #4 stainless steel. Standard amenities including stainless steel handrail and phone cabinet, emergency lighting, and other engineered safety provisions provide security and comfort in this attractive cab.



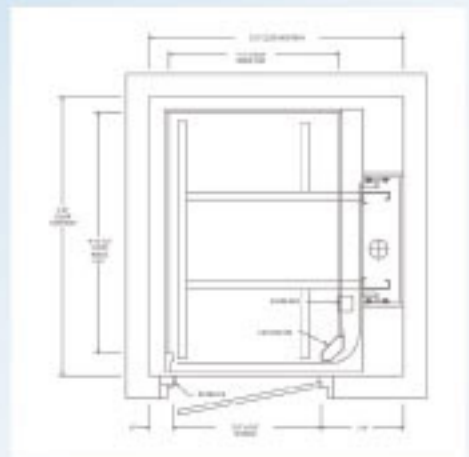
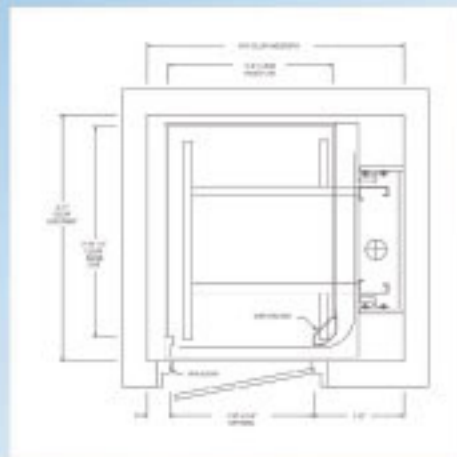
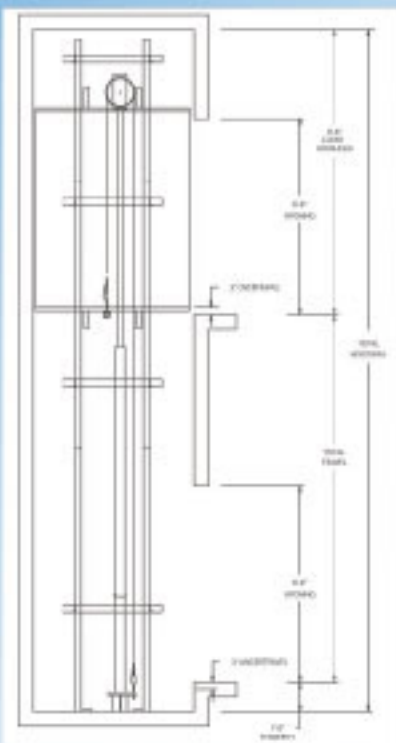
Drawings

Schumacher Home Elevators fit into the space of an average size closet and are adaptable to existing conditions in most locations. The "holeless" design does not require excavation for the hydraulic cylinder, lowering construction time and cost. Schumacher offers custom interiors and two models to better fit your home's style and needs. The 7000 Series Home Elevator is designed to be more adaptable when space is limited. The 9000 Series is our full sized home elevator offering a spacious 18 square feet of room.

7000 Series

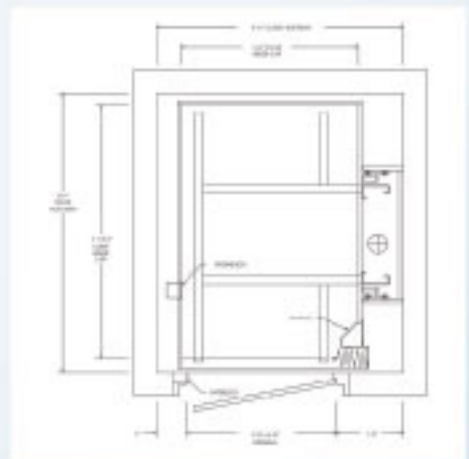
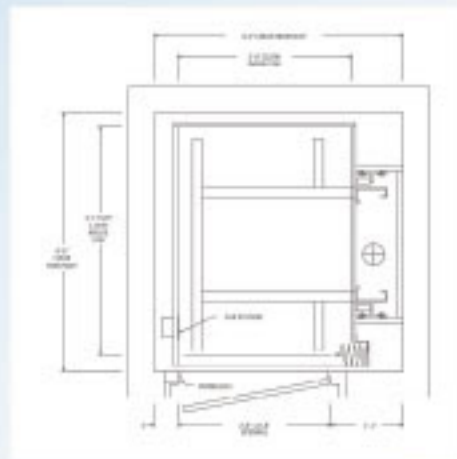
9000 Series

Side View



Automatic Car Door

Automatic Car Door



Manual Car Door

Manual Car Door

Specifications

Permits and Inspection

The work required under these specifications is limited to furnishing and installing a complete roped oil-hydraulic passenger elevator system which complies with the safety standards set by the American National Standards Safety Code A17.1. The elevator contractor shall obtain and pay for necessary municipal or state inspections and permits, as required, and make tests as called for by the regulation of such authorities.

Standard Systems and Machinery

Speed:	40 feet per minute
Travel:	Up to 45'
Stops:	Up to five stops
Openings:	Front, rear or side
Machine Type:	Roped hydraulic
Machine Location:	Adjacent lowest level
Minimum Pit Depth:	1'0"
Minimum Overhead:	9'6"
Power Supply:	220 volts 1-phase 60 cycle
Car Design:	Plastic Laminate Cab
Car Door:	Folding door
Control System:	One button collective

7000 Series

Capacity:	700 pounds
Car Size:	3'0" wide x 4'0" deep*
Hoistway Doors: (By Others)	2'8" wide x 6'8" high, swing

9000 Series

Capacity:	900 pounds
Car Size:	3'6" wide x 5'0" deep*
Hoistway Doors: (By Others)	3'0" wide x 6'8" high, swing

Power Unit

- Self-contained with a structural steel outer base with tank supports
- Inner base for mounting motor and pump assembly
- Oil reservoir
- Oil hydraulic pump
- Electric motor
- Valve
- Negative pressure switch
- Oil control unit
- Shut-off valve mounted on the tank

Roped Hydraulic Jack Unit

- Sufficient size to lift the gross load to the height specified
- Factory tested for strength and freedom from leakage
- Plunger made of heavy steel tubing accurately turned and polished
- Stop ring welded to plunger
- Internal guide bearing
- Packing
- Drip ring
- Outer casing made of steel tubing
- 1:2 roping arrangement
- Mechanically actuated safeties provided to positively stop the car if an over-speed in the down direction occurs
- Automatic pipe shut-off rupture valve to stop elevator in case of pipe breakage, overspeed in down direction, or a 10% drop in no-load operating pressure

Cable

- If required, 1/2" 8 x 19 Seale (pre-formed) traction steel rope with minimum breaking strength of 8200 lbs. each

Landing System

- Tape selector landing system
- Leveling and slowdown within 1/4" of the landing
- Mounted in hoistway

Microprocessor Elevator Logic Control

- Control program contained in nonvolatile, programmable, read only memory
- Safety circuits monitored and controlled by the programmable logic control

One Button Collective Operation

- Elevator operated by appropriately labeled pushbuttons
- Pressing the car operating station or hall station button shall bring the car to the desired landing

Guide Rails

- 8 lb. t-rail, erected plumb, and securely fastened

Car Frame and Platform

- Car frame made of 7 gauge formed structural steel members
- Equipped with guide shoes
- Platform made of 1-1/2" wood core construction, backed with fire retardant laminate

Car Enclosure

- Walls made of 3/4" wood core construction faced with plastic laminate and backed with fire retardant laminate
- Car ceiling made of 1" wood core construction faced with plastic laminate and equipped with proper lighting
- Car operating panel mounted in corner
- One stainless steel handrail will be provided
- Provided fixtures include: car station, hall stations, emergency light and provision for the telephone
- Fixtures come standard with #4 stainless steel finish
- Car openings consist of a folding door

Hoistway Doors and Frames

- Doors and frames provided by owner
- Must be proper dimension to match car openings
- Must comply with applicable codes

Emergency Provisions

- Emergency stop switch
- Alarm bell with an alarm button
- Emergency lighting
- Sealed nickel cadmium battery with automatic solid state charging
- Battery powered safety descent system to lower the car in the event of a power failure
- Telephone compartment with wiring to controller

Warranty

- Elevator contractor will replace any part found to be defective during the first year, beginning with the date of final acceptance
- Damage caused by improper use or due to improper care is not warranted

Obligations of Owner

- Suitable fire rated hoistway conforming to local building code and ANSI A17.1
- Suitable guide rail mounting supports
- A 5' x 6' fire rated machine room with 7' overhead and 3' x 6'8" B rated self closing, self-locking access door
- Fire extinguisher in machine room
- 220 volt, single phase 60 hertz power supply terminated in a 3 polled fused disconnect switch located adjacent to the elevator controller
- 115 volt light and outlet in the hoistway and machine area
- Hoistway entrance doors
- Suitable machine area
- Telephone line to machine room and telephone in the car
- All cutting, patching, finishing, and finished flooring
- All work by owner must comply with applicable codes

Manufacturers dimensions are subject to change. Before beginning construction, please contact Schumacher Elevator or your Schumacher distributor.

One Schumacher Way, Denver, Iowa 50622
Phone: 319-984-5676 or 800-779-5438 Fax: 319-984-6316
e-mail: elevators@schumacherelevator.com Internet: www.schumacherelevator.com

