Schumacher
RESIDENTIAL ELEVATOR

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Schumacher Elevator Company designs and builds one of the best residential elevators in the market, offering superior quality, craftsmanship, and design that can be integrated into new or existing architecture. Schumacher Elevator Company offers home-owners an affordable vertical transportation option that adds accessibility, comfort, and value to their homes. Schumacher residential elevators are available in two sizes that are offered as standard packages or luxury models.

Schumacher offers two types of residential elevators: 7000 series and 9000 series. The 7000 series is designed to be more adaptable when space is limited; the 9000 series is a full-size residential elevator. Schumacher offers standard cabs as well as Luxury Cars.

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

LUXURY CAR
The Schumacher Luxury Car (SLC) is hand-crafted from solid hard woods and is custom stained to match any decor. The SLC comes with standard amenities including a stainless titanium car station, phone box, hall stations, and a matching hard wood handrail. An optional automatic car door is also available.

The Schumacher residential elevator exceeds safety codes as established by The American Society of Mechanical Engineers (ASME A17.1). This elevator carries a full one-year warranty on materials and workmanship. Schumacher elevators have displayed quality, reliability, and durability for over 75 years in the commercial elevator industry.
- Equipped with automatic controls for easy operation and a smooth ride
- Commercial grade components and fixtures are used to ensure quality performance.
- Electromechanical interlocks prevent elevator movement while doors are open and also prevent hallway doors from opening while the car is not at a landing.
- An emergency light and alarm are included.
- Engineered safety and emergency features include battery backup to ensure riders’ safety.
- Whisper quiet hydraulic drive, quieter than most home appliances.
- The motor and operating mechanism are located out of the way on the lower level.
- Standard or customized cab interiors will complement any decor.
- The “holeless” design does not require excavation for the hydraulic cylinder, lowering construction time and cost.
- The computer–controlled operation creates a smooth ride.
- A battery powered safety descent system lowers the car in the event of a power failure to prevent entrapment.

<table>
<thead>
<tr>
<th>SERIES</th>
<th>CAPACITY (LBS.)</th>
<th>HOISTWAY WIDTH</th>
<th>PLATFORM WIDTH</th>
<th>INSIDE CAB WIDTH</th>
<th>DOOR TYPE</th>
<th>DOOR SIZE</th>
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<tr>
<td>7000</td>
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Minimum Pit Depth: 1'0"
Minimum Overhead: 9'6"
Cab Height: 6'8"
**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 A 17.1. 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' stop
- Stops: Up to five stops
- Openings: Front, rear, or side
- Machine Type: Roped hydraulic
- Machine Location: Adjacent lowest level
- Power Supply: 220 volts 1–phase 60 cycle
- Car Design: Plastic Laminate Cab
- Car Door: Folding door
- Control System: One button collective

**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, over--speed in down direction, or a 10% drop in no--load operating pressure

**CABLE**
- If required, 1/2” 8x19 Seale (pre–formed) traction steel rope with minimum breaking strength of 8200 lbs. each

**LANDING SYSTEM**
- Tape selector landing system
- Leveling and slowdown within 1/2” of the landing
- Mounted in hoistway

**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, baked with fire retardant laminate

**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 push buttons
- 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 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 A 17.1
- Suitable guide rail mounting supports
- A 5’x6’ fire rated machine room with 7’ overhead and 3’x6’8” 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.*