



ELEVATORS 14200

1. Product Name

- Elevette[®]500 Residential Elevators
- Elevette[®]400 Residential Elevators
- Elevette[®]300 Residential Elevators
- Elevette[®]200 Residential Elevators
- Elevette[®]100 Residential Elevators

2. Manufacturer

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3. Product Description

BASIC USE

Inclinator Company of America offers its innovative Elevette[®] line of custom designed and built elevators for residential. They are suitable for new projects or can be retrofitted into existing homes. Models include:

- Elevette[®]500 - These cars feature an aluminum frame with acrylic panels.
- Elevette[®]400 - These cars feature solid raised wood with veneer center panels.
- Elevette[®]300 - These cars feature smooth hardwood veneer walls with crown, chair, baseboard and picture moulding.
- Elevette[®]200 - These cars offer smooth hardwood veneer wall panels with square, flush corners.
- Elevette[®]100 - These cars provide aluminum frames with custom snap-in panels.

Elevette's typical, simple to specify requirements include 8' (2438 mm) 38" x 50" (965 x 1270 mm) OD car for Cable Drum and Hydraulic drives which translates to a finished 48" x 54" (1219 x 1372 mm) hoistway depending on local code requirements and car configurations.

Elevettes utilizing the Machine Roomless platform requirements include 8'6" (2591 mm) overhead, 8" (203 mm) pit, and a typical 38" x 50" (965 x 1270 mm) OD car which translates to a finished hoistway of 51.5" x 54" (1308 x 1372 mm) depending on local code requirements and car configurations.

COMPOSITION & MATERIALS

Elevette elevator cars are available in solid wood, hardwood veneer, laminate or acrylic finishes.

FINISHES

Standard wood finishes include:

- Cherry
- Birch
- Maple
- Mahogany
- Walnut
- Oak

A variety of exotic wood finishes, as well as acrylic panels custom painting and finish options, are available upon request.

GATE OPTIONS

- Collapsible gates – Available in anodized aluminum (brass, black, silver or bronze).
- Accordion folding gates – Available in wood and/or acrylic panels.

DRIVE SYSTEMS

- Winding Drum – This dependable, low maintenance, economical drive is offered in 500 lb (227 kg) or 750 lb (341 kg) lift capability.
- Monorail HydraRide – This patented, hydraulic monorail system is a quiet, smooth operation system with a 750 lb (341 kg) or 950 lb (431 kg) lift capability and an emergency battery lowering system.
- MRL - Machine Roomless drive that positions the drive motor in the shaft way thus eliminating the need for a machine room. This product type is offered in two drive systems, gear and non-gear with the non-gear type being virtually noise-free. Both styles have a 950 lb (431 kg) capacity.

ACCESSORIES

- Brass accents
- Custom flooring – including Wilsonart® surfaces and hardwood
- Custom lighting
- Telephone boxes – Available in decorative brass or stainless steel

SIZES

Elevette elevator cars are offered in custom sizes up to 12 ft² (1.1 m²) with larger sizes available up to 38" x 60" (965 x 1524 mm) depending on capacity and where approved by authority having jurisdiction.

VOLTAGE

Electrical requirements and capacity vary. Consult manufacturer or current published product information. 240V, 60 hz, single phase AC or 208 V, 60 hz, single phase AC supply requirements are typical. Control voltage is typically 24 V.

LIMITATIONS

Use and installation of these systems are design dependent. Do not exceed rated load capacity. Consult manufacturer for more information.

4. Technical Data

APPLICABLE STANDARDS

American National Standards Institute/American Society of Mechanical Engineers (ANSI/ASME) – ANSI/ASME A17.1 Part V, 2004 Edition

ENVIRONMENTAL CONSIDERATIONS

Metal components are presumed to be recyclable upon final disposition.

APPROVALS

Contact manufacturer for information on approvals by industry entities.

PHYSICAL/CHEMICAL PROPERTIES

Test reports and additional technical and product information are available to design professionals upon request.

5. Installation

Complete installation recommendations are available from Inclinator Company of America.

Preparatory Work

- Handle and store product components according to Inclinator Company of America recommendations.
- Furnish labor, materials and equipment necessary or required to fully complete the installation of the elevator as indicated on the drawings and specifications. The elevator must comply with ASME A17.1, 2004, elevator code and local codes that may govern the requirements of the installation.
- Provide a permanent 240 V, single phase, 30 ampere power to operate the elevator to a lockable fused/cartridge type disconnect switch with auxiliary contacts for battery lowering. Provide 120 V lighting supply and disconnect
- Provide an enclosed, plumb and square hoistway with smooth interior surfaces. Include fascias or furring of hoistway interior, doors, frames and door hardware. Rough openings should be shown on the elevator contractor's shop drawings.
- Install a substantially level pit floor slab to support the loads imposed, adequate supports for the guide rail fastenings, and a waterproof pit.
- Provide 8' (2438 mm) minimum overhead distance from upper floor level to the underside of the roof or finished ceiling and machine room area to meet codes. Shop drawings should show complete layout of lifting equipment detailing dimensions and clearance. Loads and reactions will be provided by the manufacturer.

METHODS

- Jobsite dimensions should be taken to ensure that tolerances and clearances have been maintained and meet local regulations. Inspect the construction and service requirements for work by others. These requirements will be included in drawings, diagrams, engineering data sheets and special instructions before the work commences.
- Installation of all components of the elevator should be carried out by an authorized elevator contractor in accordance with the installation and operating instructions provided by the manufacturer.

PRECAUTIONS

- Guide rail supports and all structural framing must be properly designed and installed to resist imposed loads.
- Normal terminal stopping devices should be located at the top and bottom of the hoistway to stop the car automatically.
- All limit switches and leveling devices should be inaccessible to unauthorized persons.
- Wiring and electrical connections must comply with applicable codes.
- Traveling cables should be adequately supported and flexible enough to prevent stress in the conductors.

BUILDING CODES

Installation must comply with the requirements of all applicable local, state and national code jurisdictions.

6. Availability & Cost

AVAILABILITY

Contact manufacturer.

COST

Installed cost will vary by specific installation. Budget installed cost information can be obtained from the manufacturer.

7. Warranty

Inclinor Company of America offers a 2-year limited warranty on products. The warranty is for replacement, at no cost, of defective parts, but does not include labor or the cost to replace the defective part or parts. For more information on warranty conditions, duration and remedies, contact the manufacturer.

8. Maintenance

A service contract with the installer is recommended. Additional maintenance requirements, including the items to be serviced, and how often, can be obtained from the manufacturer.

9. Technical Services

The manufacturer offers technical support to the specifier regarding equipment specifications, product warranties and cost estimates. For technical assistance, contact Inclinor Company of America.

10. Filing Systems

- Sweet's Catalog Files
- Additional product information is available from the manufacturer upon request.

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