Custom ELEVATOR

MANUFACTURERS

OF

Limited Use Limited Application Elevators

(LU/LA)

LU/LA Elevators

The founders of Custom Elevator Manufacturing Company, who introduced the first roped hydraulic commercial elevator to the U.S. market, are back to set the standards for LU/LA elevator systems. Our roped 1:2 hydraulic design provides the quietest and smoothest operation in the industry. This system utilizes components and devices that are tested and certified to the most stringent requirements and have been tried and proven on commercial mid-rise elevator applications subject to more frequent use. Our commitment to quality, safety, and dependability are unparalleled.

Our unique design minimizes hoistway space, machine room space, pit depth, and overhead clearances and operates on standard single phase power. This, combined with the flexibility to have the machine equipment located remotely and car sizes customized to fit most any conditions, makes our system ideal for remodeling projects or new construction buildings.

At Custom Elevator Manufacturing Company, our main focus is on service beyond the sale, state of the art technology, superior quality, product reliability, safety, and our top priority is always the customer.

A limited use/limited application (LU/LA) elevator is a power passenger elevator in which the use and application is limited by size, capacity, speed, and rise. These low-rise elevator systems bridge the gap between conventional commercial elevators and other undesirable lifts used to provide solutions for architectural barriers.

A LU/LA elevator from Custom Elevator Manufacturing Company is designed and manufactured in accordance with ASME A17.1 "Safety Code For Elevators and Escalators" and offers features to meet accessibility and fire protection guidelines, making this elevator a perfect, cost-effective solution for most small public building applications including churches, schools, lodges, restaurants, nursing homes, and more.

Standard Features

Characteristics

- Up to 1400 lb. capacity
- 30 fpm nominal car speed
- *Up to 4 stops
- *Up to 25'-0" travel
- Minimum pit depth of 3'-6" required (14" minimum with stopping device)
- Minimum overhead clearance of 11'-0" required (9'-6" minimum with stopping device for existing buildings)
- 42" wide x 60" deep x 81" high nominal inside car size
- 36" wide x 80" high fully automatic two-speed horizontal sliding doors

**Consult factory for other custom options.*

Equipment

- 1:2 roped hydraulic drive
- (3) 3/8" diameter hoist cables
- Single stage hydraulic piston and cylinder with pressure balanced self adjusting seal
- Heavy duty cantilevered design car sling with roller guide shoes
- 8 lb. per foot steel tee guide rail system
- 220 volt single phase power supply (three phase optional)
- Vibration free submersible pump/motor assembly with (5) Horsepower motor
- Two speed control valve with (4) solenoids, soft start and stop, and constant down-speed regulation
- Heavy duty DC Master door operator with field adjustable torque, fast speed and slow speed control

Safety Devices

- Type "A" instantaneous governor actuated car safety
- Pipe rupture valve
- Upper and lower terminal limit switches
- Top final limit switch
- Slack cable switch
- Emergency car lighting in cab
- Emergency keyed stop switch in cab
- Emergency push button alarm in cab
- Automatic car releveling device
- Floor selectable battery lowering device
- Emergency manual lowering valve
- Emergency telephone in cab
- Solid panel cab doors with approved safety switch
- Infrared door edge protection with automatic door reopen system
- Approved electro-mechanical hoistway door interlocks
- Impact buffers below elevator car
- UL and/or CSA certified electrical and hydraulic devices
- Manufactured in accordance with ASME A17.1 Safety Code
- Pit stop switch

Control/Pushbutton Fixtures

- Automatic pushbutton control
- Microprocessor based control system with uninterrupted battery back-up emergency lowering with automatic door operation
- Light-up push buttons in car and hall with Braille
- Digital floor position indicator with direction arrows in car
- Floor "Stop/Pass" audible signal in car
- Automatic cab lighting with override switch
- Automatic indicator light time-out feature
- Automatic "Home Park" feature to designated floor
- Low oil protection timer circuit
- Top of car inspection operation
- Fire service phase I with alternate return floor
- Hands-free ADA compliant telephone w/elevator communications failure
- Car travel lantern with audible signal

Cab Finishes and Accessories

- Fire rated wood core wall panels with black filled reveals to simulate applied panels faced with plastic laminate available in several solid, textured, and wood grain finishes
- Car entrance including strike column, return panel, and transom are #4 brushed stainless steel finish
- Two speed reinforced hollow metal horizontal sliding car doors with #4 brushed stainless steel finish
- Steel canopy with fire rated thermoclear panel suspended ceiling and fluorescent lighting above
- 3/8" x 2" #4 brushed stainless steel handrail on (1) side wall
- Extruded aluminum car sill
- #4 brushed stainless steel certificate frame
- Unfinished plywood sub-floor in cab

Hoistway Doors

- Two speed horizontal sliding fire rated door and frame assemblies with prime (paintable) finish and extruded aluminum sills

Cab Options

- Wide variety of plastic laminate color choices
- Steel with baked enamel finish wall panels
- #4 brushed stainless steel wall panels
- #4 brushed stainless steel base (kickplates)
- Protection pads and hooks
- Car top emergency exit
- Exhaust fan
- Plastic laminate faced car door(s)
- #4 brushed bronze metal finishes
- Custom car sizes (consult factory)

Shown: Standard cab with Wild Cherry plastic laminate finish.

Other Options

- 208/230/480 volt, 3 phase power
- Car top/bottom stopping devices (for minimum clear overhead and/or pit depth clearances)
- Tank heater

Controls/Pushbutton Options

- Digital hall position indicators with direction arrows incorporated into the hall call station
- #4 brushed bronze faceplate/button finishes
- Keyed control switches in car and/or hall

** Check with local code authorities for specific accessibility and fire protection code requirements*

Shown: Car operating panel with brushed stainless steel finish. Shown with hands-free phone and fire service Phase I.

Shown: Optional digital hall position indicator with direction arrows incorporated in the hall call station(s) with brushed stainless steel finish.

Shown: Optional keyed control hall call station with brushed stainless steel finish.

Shown: car travel lantern with audible signal and brushed stainless steel finish.

Custom ELEVATOR
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WWW.CUSTOMELEVATORINC.COM

Your Authorized Representative: