CANADA CUSTOM ELEVATOR

Residential Elevator

Premier™

Manufactered By Custom Elevator Inc.

Specifications:

Roped Hydraulic Residential Elevator - Model Premier

GENERAL:

SCOPE: To furnish all labour, materials and equipment necessary or required to fully complete the installation of a residential elevator. The specification is intended to cover the complete installation of a "Premier" residential elevator.

SYSTEM DESCRIPTION: The residential elevator assembly shall consist of a power unit, car, guide system, 1:2 roped hydraulic lifting device, control system, signals and alarms , electrical wiring, and parts and accessories necessary to provide required performance, operation, code and safety requirements.

QUALITY ASSURANCE: The "Premier" residential elevator shall meet and/or exceed applicable codes and regulations of all governing agencies and be in conformance with the most current codes/ standards:

a) CSA B44-00 National Safety Code for Elevators, Section 5.3-Private Residence Elevators.
b) Canadian Electrical Code Part 1. and the Ontario Electrical Code consisting of CSA C22.1 -02
c) Local Codes and regulations as required

PREPARATORY WORK BY OTHERS: Suitable hoist way enclosure including pit, landing doors with hardware and guide rial mounting supports. 120/1/60 volt power source including manually operated fused line disconnect. Provide clear access to elevator installation location and remove all obstacles prior to elevator delivery and installation. Machine room with self closing door with lock.

PRODUCT DATA:

A.) The residential elevator shall be the "Premier" Manufactured by Custom Elevator Inc.

Dealer: *Canada Custom Elevator Inc.*
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Mississauga, Ontario. L5N 6M6
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Rated Load: 750 lbs (341 kg.) Or 950 lbs (432 Kg.)
Travel: Up to 50 ft.15.2M.
Speed: 40 feet per minute (0.20 m/s)
Stops: Maximum of (6) six stops.
Pit: Minimum (8") eight inches deep pit is required.
Overhead: For a normal installation with a standard 6ft.-8 in.(80") cab height, 8 ft.(96") space is required between the top floor and the ceiling. 104" and 112" for 88" and 96" high cab respectively
Car Enclosure: Distinctively crafted Car shall be constructed of raised natural oak hardwood and veneers. Car walls to be stain finished. (8 colours to choose from)or solid lacquer finishes. A brushed brass handrail shall be located on one wall. A telephone installed in a flush mounted telephone cabinet shall be furnished in the elevator car for emergency communication. Car ceiling shall be a minimum 3/4"thick stained oak veneer or plastic laminate faced with (4) recessed down lights.(car shall have no extrusions) Floor is (unfinished) plywood ready to accept finished flooring by others.
Car Operating Panel : Car operating panel shall consist of metal lens call push buttons and red LED halo lighting for each landing, an alarm button, emergency stop button, light over ride switch and a digital car position indicator with car direction arrows all mounted unto a brushed brass faceplate. (polished brass or stainless optional)
Car Gate: Shall be natural hardwood oak panel construction accordion type folding gate, finished to match car wall panels (8 stain colors to choose from) or all Acrylic panelled Visifold with an approved positive contact safety gate switch that prevents elevator operation with the car gate open. Gate sill to be brass extruded aluminum.
Landing Controls Each landing station shall consist of metal lens call button and a "car here" indicator with red LED halo lighting mounted on a brushed brass faceplate (polished brass or stainless optional)

Specifications:

Door Locks: An electromechanical unit system contact and lock shall be furnished for each hallway entrance . the interlock shall prevent the elevator operation unless all the doors are closed and locked and prevent opening of any door when the elevator is not at that landing.

Car Frame: Heavy duty cantilevered design sling with (4) four high density synthetic guide rollers.

Car Suspension: The elevator cab frame shall be suspended by (2) two 3/8in diameter 6 X 19 aircraft cables and attached to cab safety device with wedge sockets.

Guide Rail: Shall be machined 8lb/ft elevator T-rail , securely fastened to the hoist way structure with steel brackets . All rail end sections shall be tongue and groove type with steel splice plates

Safety: Type "A" instantaneous slack cable car safety device that disconnects power to the control valve if a cable should become slack or broken. This is released only when the drive motor is energized . A Pipe rupture valve that automatically closes and brings the car to a smooth stop and holds the elevator when there is an oil line failure or the down speed exceeds the allowable limit shall be supplied.

Hydraulic Pump Unit: Shall include a submersible motor, a rotary screw type pump, two-speed control valve and oil reservoir with an oil level guage. The control valve shall include a safety check valve, up and down accerelation,deceleration,leveling, and soft stop adjustments, pressure rerlief valve,manual lowering valve, constant down speed regulation,pressure guage with shutoff, negative pressure switch, and manual shutoff valve all mounted and enclosed in a compact unit assembly with a key lockable cover.

Disconnect: Fused Mainline and 115 volt Cab light disconnect switches shall be supplied and wired by *Canada Custom Elevator Inc.* Fuses provided for electrical overload protection.

Electric Supply: 230 volts, 30 amp. Single phase, 60 hertz circuit is required for elevator motor. A 115 Volt, 15 amp. Single phase circuit is required for cab lighting.

Warranty: The Premier carries a manufacturers (2) two year limited manufacturers warranty on material and workmanship.

END OF SECTION