

# Traction Elevators

## Traction Elevator Components

Delta uses proven components throughout its traction elevator design:

The DMPC controller is designed by Delta and manufactured at our Kitchener, Ontario plant. It is reliable, upgradeable, easily serviced, and fully supported for all maintaining contractors.

Delta uses Hollister-Whitney or Torin machines for traction elevator installations, depending on the application. Hollister is a well-respected American manufacturer that has been supplying superior elevator components for

over 90 years, while Torin is the world's largest elevator machine manufacturer.

The Delta entrance system and applied panel cab finishes come standard on our elevators. They are designed in-house, are fully tested to meet all CSA requirements, and are manufactured at our Kitchener plant.

Fixtures and premium cab finishing options are sourced from high quality suppliers to ensure the final elevator appearance suits your building's aesthetics and durability requirements.



## A Long Term Investment in Your Building

The traction elevator configuration has shown its reliability and durability for decades in a variety of uses.

When combined with a preventive maintenance program, many installations operate for over 20 years before a modernization is necessary.

Traction elevators are ideal for applications that require a combination of rapid speed, high travel, and heavy lifting capacity. This includes mid to high rise residential buildings, office towers, hospitals, and universities & colleges.

The heart of the Delta traction elevator is the machine, located either in a rooftop penthouse or in a basement machine room when a penthouse location is not available.

Traction technology combines a smooth, quiet ride, accurate levelling ability, and energy efficiency through the use of counterweights.

As well, modern traction elevators use a variable voltage, variable frequency (VVVF) drive to improve ride quality and reduce energy consumption.

## Traction Passenger Elevator Specifications

Capacity (kg)	910	950	1134	1200	1365	1587	1587	1815	2050	2275	2500
Orientation	Wide	Deep	Wide	Deep	Wide	Deep	Wide	Deep	Deep	Deep	Deep
Cab Size											
Width (mm)	1726	1370	2032	1406	2023	1610	2032	1598	1598	1698	2032
Depth (mm)	1300	1726	1300	2032	1406	2032	1610	2364	2554	2554	2554
Height (mm)	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286
Door Width (mm)	914	914	1067	1067	1067	1067	1067	1219	1219	1219	1372
Hoistway Size											
Front Only Door											
Depth (mm)	2036	2302	2036	2608	2142	2608	2346	2940	3130	3130	3130
Width (mm)	2264	2098	2540	2134	2540	2338	2540	2426	2426	2576	2910
Hoistway Size											
Front & Rear Doors											
Depth (mm)	2036	2614	2036	2920	2142	2920	2346	3252	3442	3442	3442
Width (mm)	2540	2098	2845	2134	2845	2338	2845	2426	2426	2576	2910
Speed of 0.75 - 1.00 m/s											
Pit Depth (mm)	1626	1626	1626	1626	1626	1626	1626	1750	1750	1750	1750
Overhead (mm)*	4500	4500	4500	4500	4500	4500	4500	4575	4575	4575	4575
Speed of >1.00 - 1.75 m/s											
Pit Depth (mm)	1676	1676	1676	1676	1676	1676	1676	1750	1750	1750	1750
Overhead (mm)*	4675	4675	4675	4675	4675	4675	4675	4750	4750	4750	4750

\* Overhead is based upon 2438 mm cab height. For taller cabs, please contact Delta.

### Features

- Governed by the CSA-B44 Elevator Code
- Capacity: 910 – 2,500 kg
- Speed: 0.50 – 2.00 m/s
- Maximum floors: 31
- Maximum travel: 100 m
- Cab size: 2.36 – 5.19 m<sup>2</sup>
- Entrances: 1 or 2 speed or centre opening
- Safety features:
  - Infra-red door curtain
  - Emergency cab lighting
  - Emergency phone
  - Rope gripper
- Applications:
  - Mid and high rise residential & commercial
  - Hospitals
  - Universities & Colleges

### Custom Traction Elevators

*Need a custom traction elevator installation?*

*Interested in a traction freight elevator?*

**Call us – Delta has the resources to meet your custom application needs:**

- Delta's experienced sales staff will work with you and your architect to assess the elevator requirements for your building project.
- Our mechanical and electrical engineering staff will design the best solution for your specific needs.
- Your custom elevator will be manufactured at our ISO-certified production facilities located in Kitchener, Ontario.
- Our field operations staff will ensure that the elevator is installed to the highest standard.