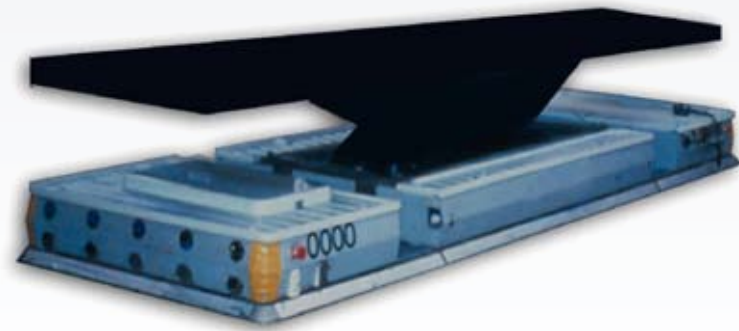


## Patriot P310 Scissors Lift

Designed for applications requiring a low profile automatic guided vehicle. The Patriot P310 is equipped with a scissors lift capable of handling loads up to 3,000 lbs and has a vertical lift stroke of 48 inches, which allows assembly personnel to raise or lower the lift platform to its desired height.

A bidirectional single drive unit allows for a great deal of flexibility in movement and speed. The single wheel suspension keeps the drive wheels in contact with the floor at all times. All wheels feature extra thick polyurethane tread for long life and quiet operation. Electromechanical brakes are included as an integral part of the permanent magnet motor and sealed gearbox assembly. Each Patriot P310 is equipped with a 24-volt battery power source. Vehicle object detection sensors reduce vehicle speed and stop vehicle travel when an obstruction is in the travel path of the vehicle.



### Features

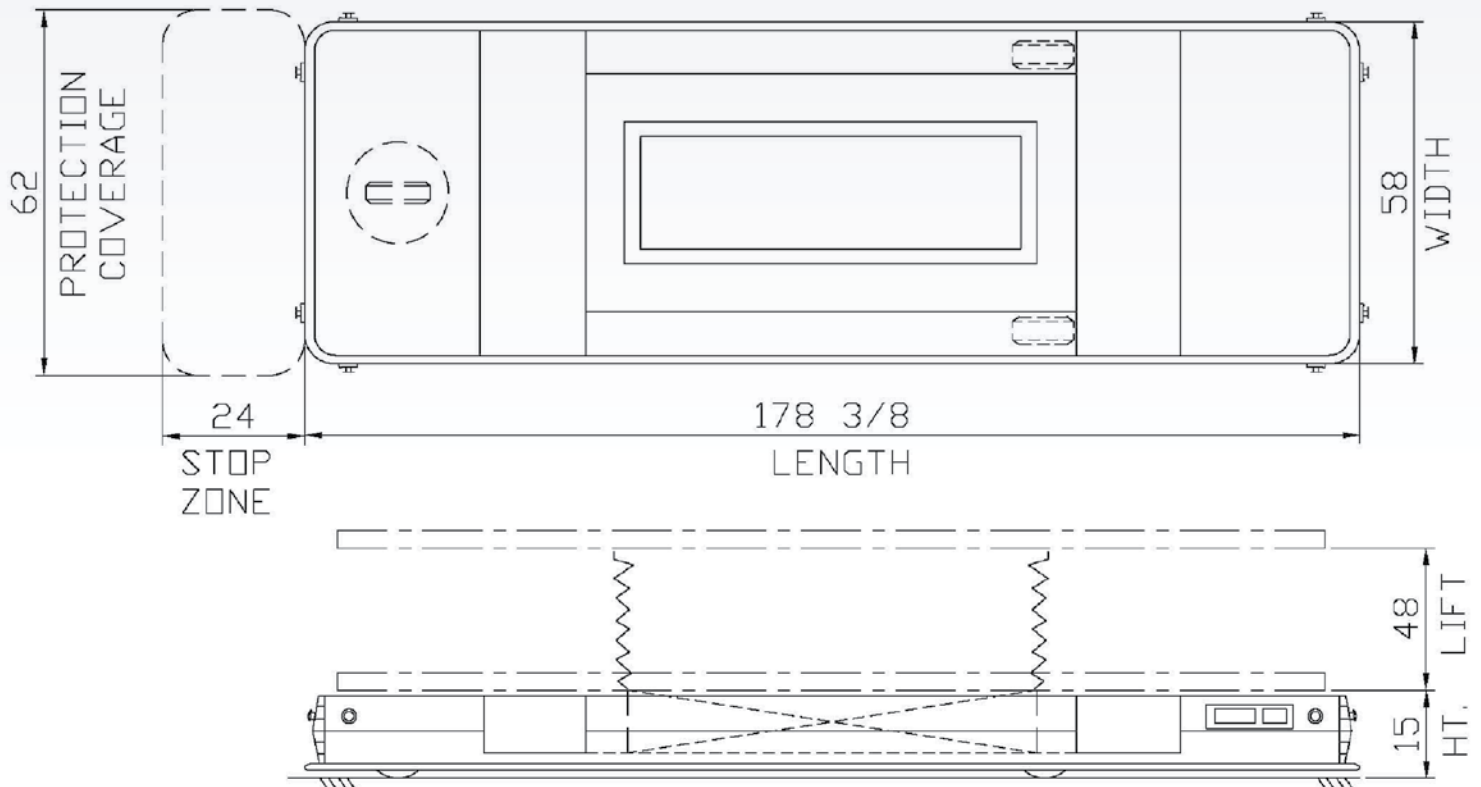
- ▶ Electrical Cabinet Design Provides Access to All the Electrical Components.
- ▶ Travel Drive Gearbox Gears are Hardened for Long Life.
- ▶ AGV Frame is of Welded Plate Construction.
- ▶ Corecon's Modular Control System separates AGV Functions, making Problem Diagnosis Quicker, Reducing AGV Downtime.
- ▶ AGV Safety Devices Meet and Exceed ANSI and OSHA Standards for AGVs.

### Benefits

- ▶ Low Cost of Ownership
- ▶ Low Maintenance
- ▶ Access to All Major AGV Components
- ▶ Modular Design for Faster Diagnosis & Quick Repair
- ▶ Opportunity Charging System Eliminates Battery Handling
- ▶ Simple AGV Deployment
- ▶ Variety of Tooling Available for Many Patriot AGV Applications

### AGV Options

- ▶ Opportunity Charging
- ▶ Optical Communication
- ▶ Radio Communication
- ▶ Sealed Batteries
- ▶ Laser Safety Sensor
- ▶ Quick Charge Batteries



## Performance

Speed Forward:	200 ft./Min.Max
Speed Reverse:	100 ft/Min
Acceleration & Deceleration:	0-200 ft Min = 3 Sec. in 5 ft.
Stopping and Repetitive Stopping Accuracy:	+/- 3/8 "
Minimum Cornering Radius:	36"
Lift Capacity at 24" Center:	3000 Lbs.

## Size / Weight

Overall Length:	178"
Overall Width:	58"
Overall Height to top of Covers:	14"
Overall Height Lowered:	15"
Overall Height Raised:	63"

## Scissors Lift

Lift Stroke:	48"
Lifting Speed:	6 ft/min.

