

## Patriot P340 High Lift Side Loader



Designed for narrow aisle applications requiring a high lift such as warehousing and rack storage. The Patriot P340 Automatic Guided Vehicle utilizes a hydraulic mast capable of reaching heights of up to 22 feet. The Patriot P340 AGV can navigate aisles as narrow as 74”.

Two bidirectional steered drive wheels allow quad travel (forward, reverse, and sideways) for a greater flexibility in movement and speed. The wheel suspension keeps the drive wheel 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 P340 is equipped with a 48-volt battery power source, which is sized for more than a full shift of operation. Vehicle object detection sensors reduce vehicle speed and stop vehicle travel when an obstruction is in the travel path of the vehicle.

### Features

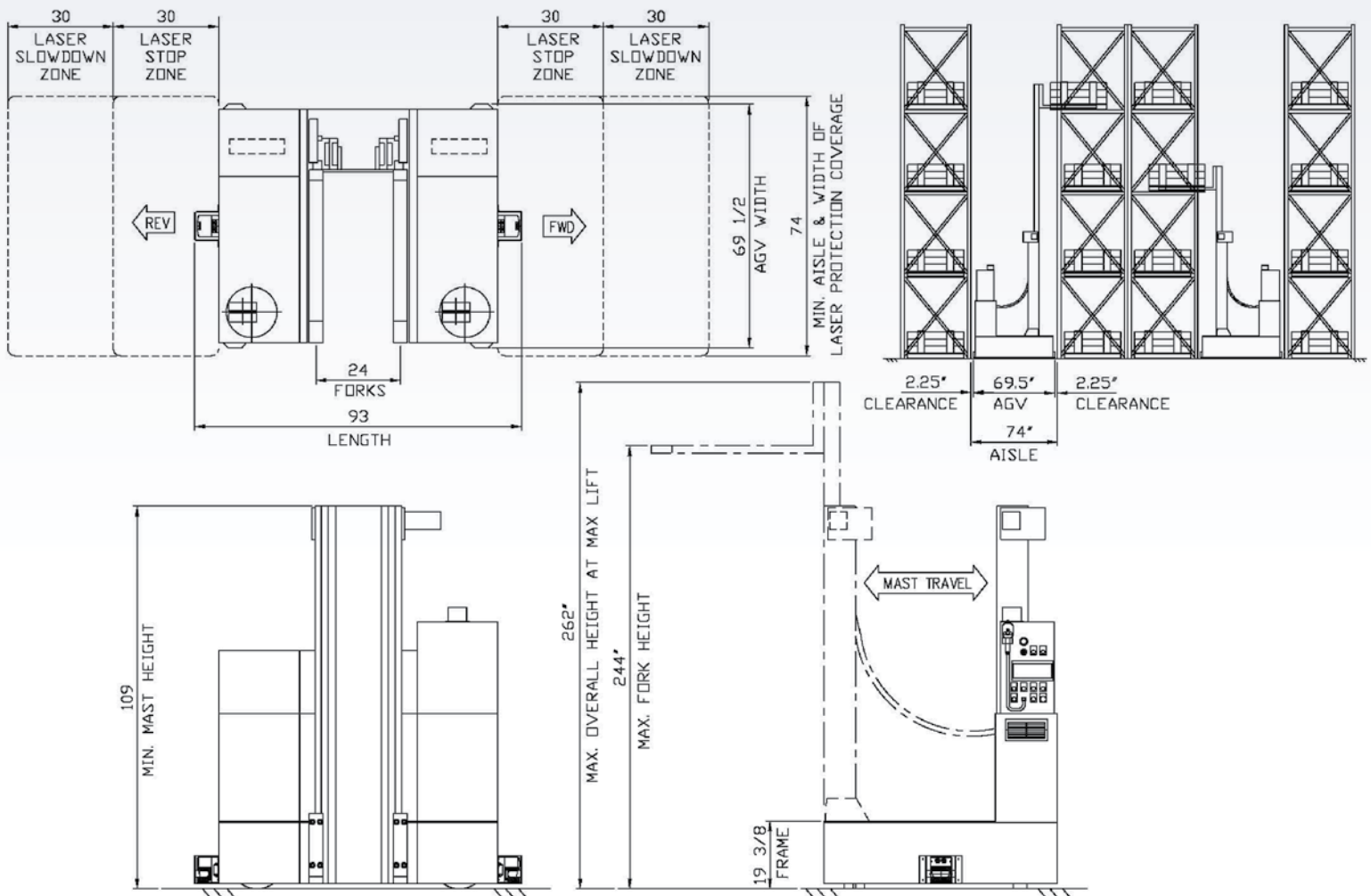
- ▶ Cabinet Design Provides Easy Access to All the Electrical Components.
- ▶ Travel Drive Gearbox Gears are Hardened for Long Life.
- ▶ AGV Frame is of Welded Construction Using Heavy Wall Structural Tubing which Provides High Bending and Torsion Strength and Stiffness.
- ▶ Corecon's Modular Control System separates AGV Functions, making Problem Diagnosis Quicker, Reducing AGV Downtime
- ▶ Laser Bumpers reduce Mechanical Bumper Replacement Cost, Increase Safety, and can be Easily Programmed to Modify the Sensor Pattern for Each Application.
- ▶ AGV Safety Devices Meet and Exceed ANSI and OSHA Standards for AGVs.

### Benefits

- ▶ Long Life Design (15+ Years of Life)
- ▶ Low Cost of Ownership
- ▶ Low Maintenance
- ▶ Access to All Major AGV Components
- ▶ Modular Design for Faster Diagnosis & Quick Repair
- ▶ Reduced Risk of Environmental Contamination since Hydraulic Systems are Eliminated
- ▶ Opportunity Charging System Eliminates Battery Handling
- ▶ Simple AGV Deployment

### 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:	200 ft/Min
Acceleration & Deceleration:	0-200 ft Min = 3 Sec. in 5 ft.
Stopping and Repetitive Stopping Accuracy:	+/- 3/8 "
Minimum Cornering Radius:	48"
Fork Lifting Speed:	30 ft/min
Lift Capacity at 24" Center:	3,000 and 4,000 Lbs.
Battery Capacity Standard:	400 Amp/Hr

## Size / Weight

Overall Length:	93"
Overall Width:	69.5"
Overall Height:	109"
Service Weight With Batteries:	7,400 Lbs.

## Forks

Width:	4"
Length:	47.5"
Centers:	24"
Lift Height standard:	244"
Lift Height Optional to:	288"
Lift Accuracy:	+/- 1/8"

