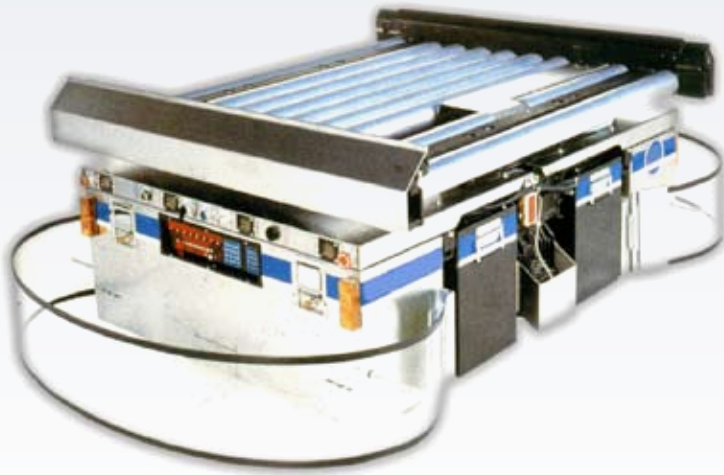


Patriot P320 Conveyor



Designed for efficient load transfers to conveyors and flow through racks. The Patriot P320 is equipped with a powered roller deck capable of handling loads up to 4,000 lbs. A custom dual roller deck can also be designed for your application to reduce system throughput and reduce the amount of automatic guided vehicles required per your system.

Bidirectional drive wheels, for differential type steering, and two swivel casters allow for a great deal of flexibility in movement and speed. The dual frame 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 P320 is equipped with a 48-volt battery power source, which is sized for more than a full shift of operation.

Features

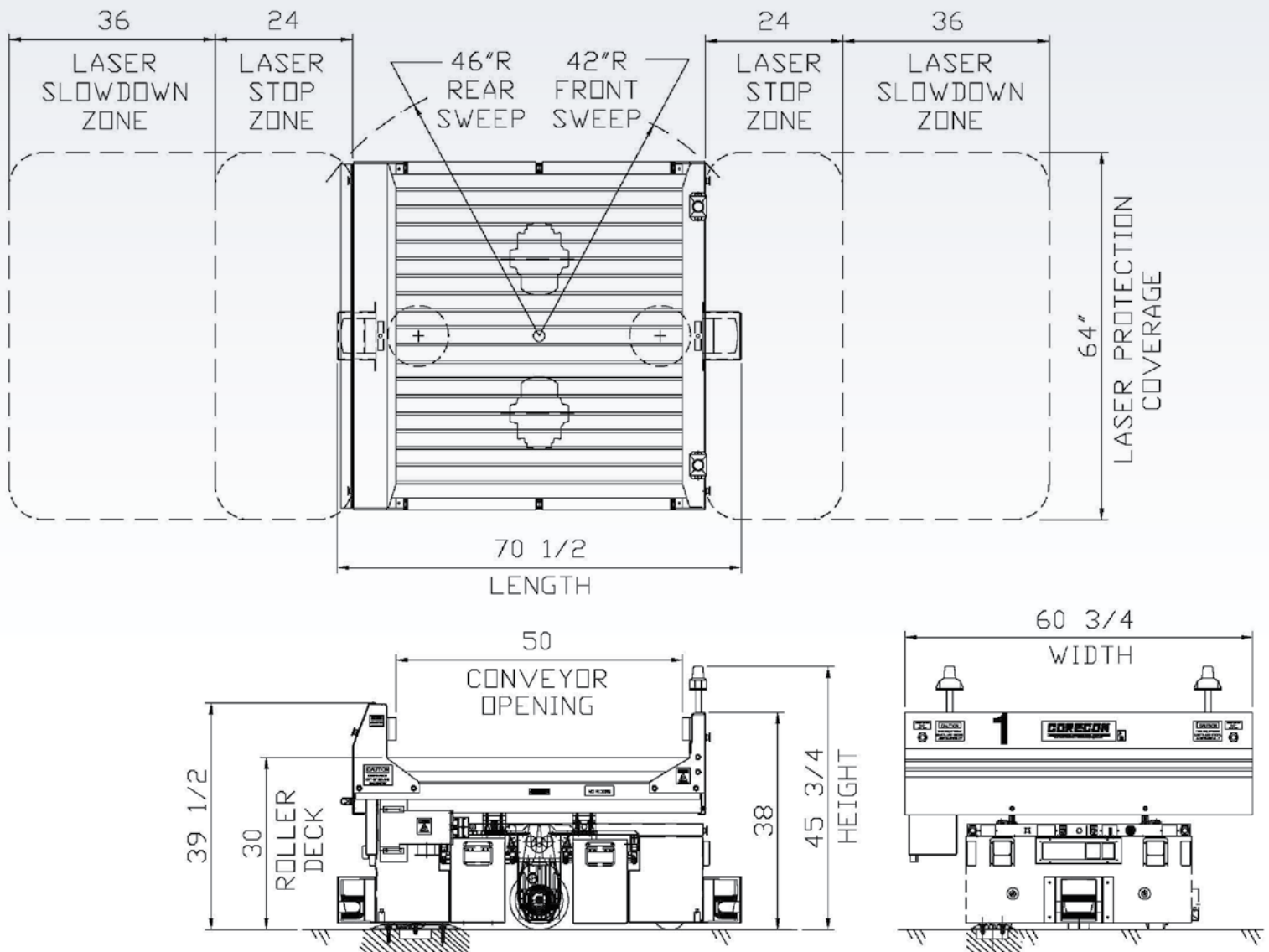
- ▶ The Pull out Cabinet Design Provides Access to All the Electrical Components.
- ▶ Retractable Lifting Arms are Provided to Make Lifting the Vehicle for Maintenance a Snap.
- ▶ Removable Battery Trays Allow Access to the Drive Units.
- ▶ Travel Drive Gearbox Gears are Hardened for Long Life.
- ▶ AGV 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

- ▶ 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
- ▶ 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:	200 ft/Min
Acceleration & Deceleration:	0-200 ft Min = 3 Sec. in 5 ft.
Rotate Vehicle 90 Degrees:	7 sec
Stopping and Repetitive Stopping Accuracy:	+/- 3/8 "
Minimum Cornering Radius:	36"
Roller Deck Speed:	30 ft/ min
Lift Capacity (standard):	4,000 Lbs.
Lift Capacity (Custom):	8,000 Lbs.
Battery Capacity Standard:	345 Amp/Hr

Size / Weight

Overall Length:	70.5
Overall Width:	60.8"
Overall Height:	45.8"

Conveyor

Top of conveyor roller form Floor:	30" Min
Standard Load Size:	48" x 54"
Roller Deck Speed (options):	30 ft/min
Roller Size:	2.5" Dia. -3" on Centers

