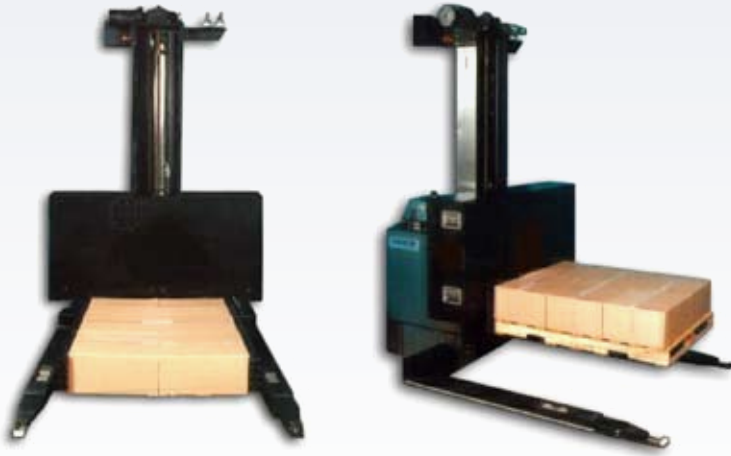


Patriot P325 Palletizing Box Clamp



Corecon's Patriot P325 forklift AGVs can be fitted with our rotating for box grab unit combining both palletizing and normal pallet pickup operations in one unit. With the forks rotated 90 degrees vertically the forks automatically shift in to act as a box clamp. With the forks in the normal horizontal position they act as a normal pallet handling forks.

A customer's stack of product boxes (6 boxes per layer) are picked up directly from a workstation or conveyor with the AGV's grab unit. The AGV's forks rotate 90 degrees to clamp the layer of boxes. The AGV then automatically takes the layer of boxes to a pallet and stacks them five layers high. Once the pallet is fully loaded the forks on the AGV are rotated back 90 degrees to their normal fork truck position and the AGV picks up the finished pallet and takes it to its final destination. The grab design uses shifting and rotating forks to handle both pallets and boxes.

Features

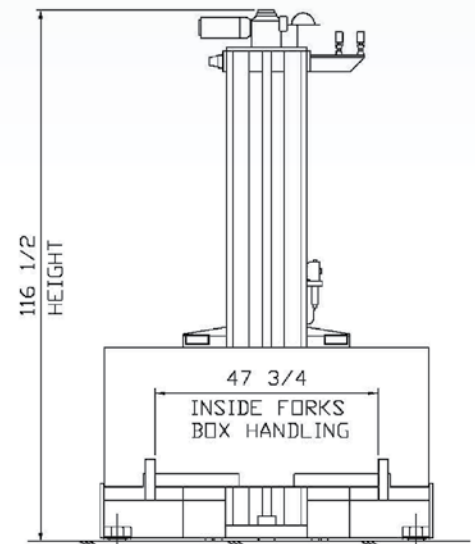
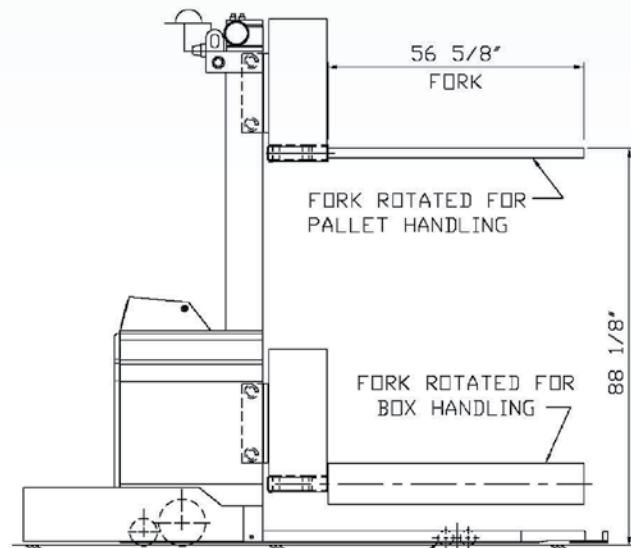
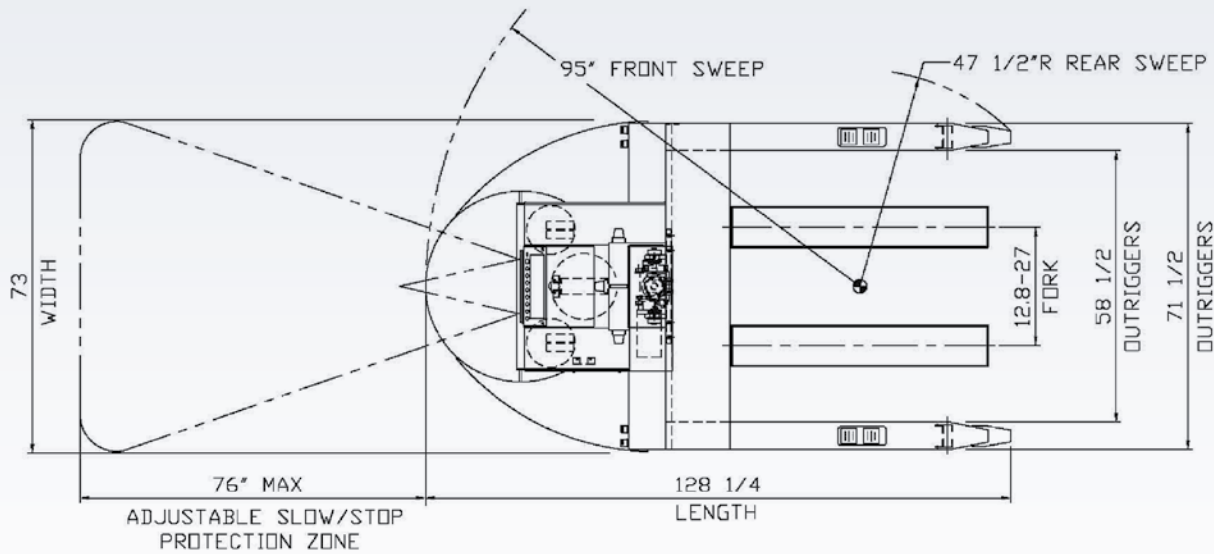
- ▶ Each Grab is Custom Engineered to Provide the Best Possible Solution for all your Pallet and Box Handling Requirements.
- ▶ Shifting and Rotating Forks Act as a Box Clamp for Palletizing and then can be Rotated 90 Degrees for Normal Pallet Pickup.
- ▶ Cabinet Design Provides Easy Access to the Electrical Components.
- ▶ Travel Drive Gearbox Gears are Hardened, Precision Ground, with Lubrication for Long Life and Quiet Operation.
- ▶ Idle Wheels have "Sealed for Life" Bearings and Hardened Axle Shafts.
- ▶ 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 AAGV 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
- ▶ 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:	100 ft/Min
Acceleration & Deceleration:	0-200 ft Min = 3 Sec. in 5 ft.
Rotate Vehicle 90 Degrees:	12 sec
Stopping and Repetitive Stopping Accuracy:	+/- 3/8"
Minimum Cornering Radius:	36"
Fork Lifting Speed:	2.2 in/sec
Lift Capacity:	2,000 Lbs.
Battery Capacity Standard:	240 Amp/Hr

Size / Weight

Overall Length:	182.2"
Overall Width:	73"
Overall Height:	116.5"
Service Weight With Batteries:	4,500 Lbs.

Rotating Forks Box Clamp

Width:	9"
Length:	56 5/8"
Centers (shifting):	12.87" to 27"
Lift Height single stage:	88 1/8"
Lift Accuracy:	+/- 1/8"

