

Counterbalance 2500

Automated guided vehicle

Versatile load handling



Rugged performance, improved efficiency

Ideal for handling pallets, racks, and rolls, our counterbalance automated guided vehicles (AGVs) excel in floor-to-floor and floor-to-rack transfers. However, they are not limited to floor operations and can interface with plant equipment: racks, conveyors, and AS/RS. Our counterbalance vehicles also provide excellent versatility.

CB2500 Features

- Interfaces with racks, conveyors, AS/RS, and other plant equipment
- Compatible with multiple fork attachments: double forks, single double forks, clamp, fork positioner
- In pushback racking, able to push heavier loads at higher rack locations
- Full lift height to 18ft (6m), reduced load capacity to 26ft (8m)*
- Load size and weight are lift-height dependent
- Load capacity 5,500lbs (2,500kg) at 24" (600mm) load center*

CB2500 Benefits

- Hydraulic lift provides fast movement of heavy loads
- Versatile horizontal and vertical load movement
- Ideal for load stacking and de-stacking
- Counterbalance design assures rack face access for loads
- Clean, sustainable battery power source with automatic charging
- Load detection increases load positioning accuracy

Typical Pick/Drops

- Heavier rack movement cell to warehouse
- Over/Under rack and rack stacking/de-stacking
- Floor-to-rack vertical transport
- Raw material to/from dock to point of use
- Multiple simultaneous load movement:
 - Single double forks carry 2 or 4 loads
 - Block stacking of loads

CB2500 Safety Features

- **Obstacle detection sensors**
Full 360° protection with safety-rated lasers
- **Look-down sensor**
Sees objects in vehicle's path above floor level
- **Warning lights**
Amber turn signals, blue running lights, and red emergency lights
- **Blue AGV-approaching warning light**
Shows AGV path and warns personnel in the area
- **Emergency stop buttons**
Red buttons stop the vehicle immediately
- **Load detection and positioning sensors**
Enhance safety by improving pick-up and drop-off accuracy
- **Manual safety reset button**
Human intervention is required to confirm vehicle OK status
- **Battery restraint plate sensor**
Confirms battery is safely confined within vehicle frame



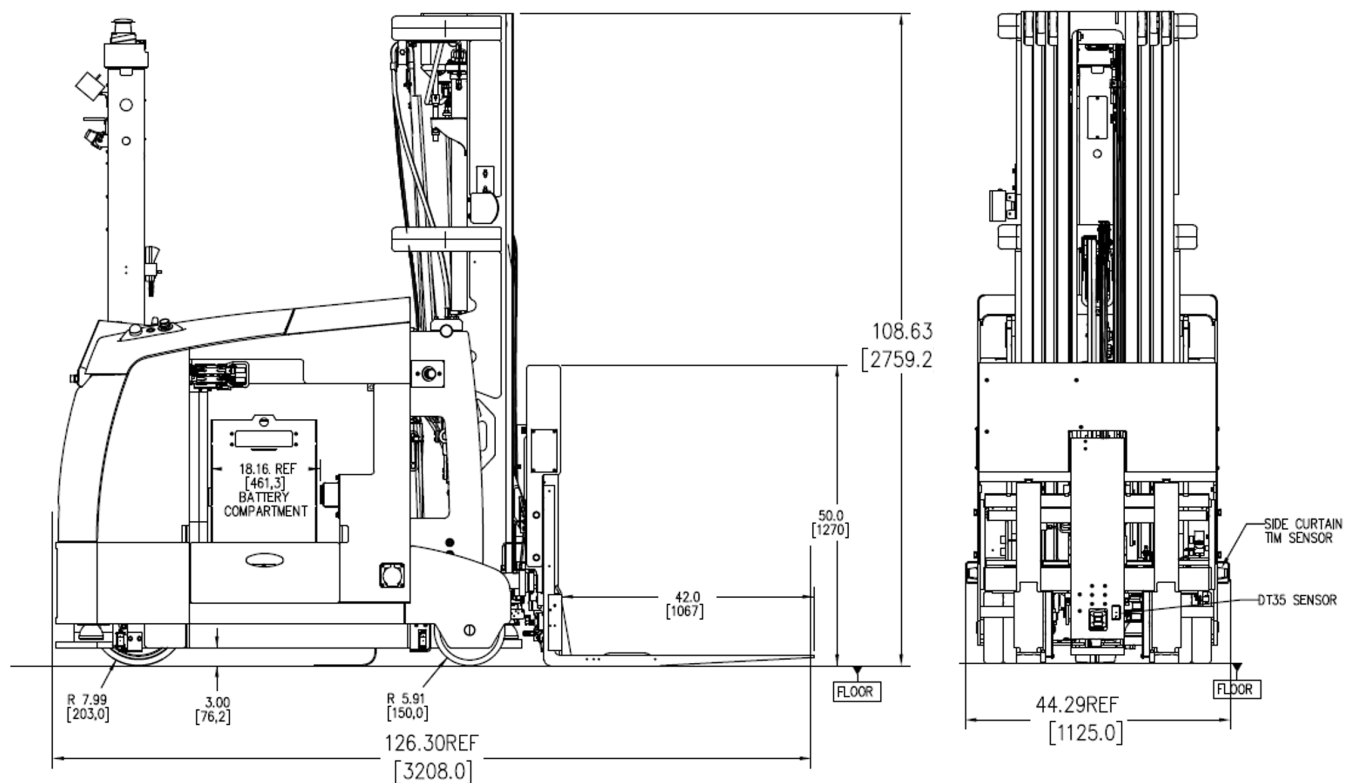
mōt.OS®

One Operating System. Total Control.

Designed to power FORMOVA vehicles at scale, mōt.OS® is the heart of our total automation intelligence offering, helping maximize the life cycle value of your system.

It allows you to control multiple fleets from multiple manufacturers in a single coordinated platform, giving you a clearer view of your operation and greater control over how everything moves.

The result: smarter decisions, smoother flow, and automation that is **SIMPLE, SCALABLE, and SUSTAINABLE.**



Technical Specifications*

Operating Power	48vDC	Weight w/ Battery	13,500 lbs	6,124 kgs
Drive	Electric	Weight w/o Battery	10,913 lbs	4,960 kgs
Steer	Electric	Load Capacity	5,500 lbs Max at 24" load center	2,500 kgs Max at 600 mm load center
Lift	Hydraulic	Vehicle Width	44.29"	1,125 mm
Braking	Regenerative Electro-Mechanical	Vehicle Height	108.63"	2,759 mm
Travel Speed	394 ft/min or 2.0 m/sec	Vehicle Length	126.30"	3,208 mm
Manual Controls	Laser Guided and Pendant Controller	Lift Height	Up to 354"	Up to 9,000 mm
Navigation	Natural Feature, Laser, Rail, Deep Lane, etc.	Lift Speed	12"/second	300 mm/second

*Specifications can vary based on application