

## 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®

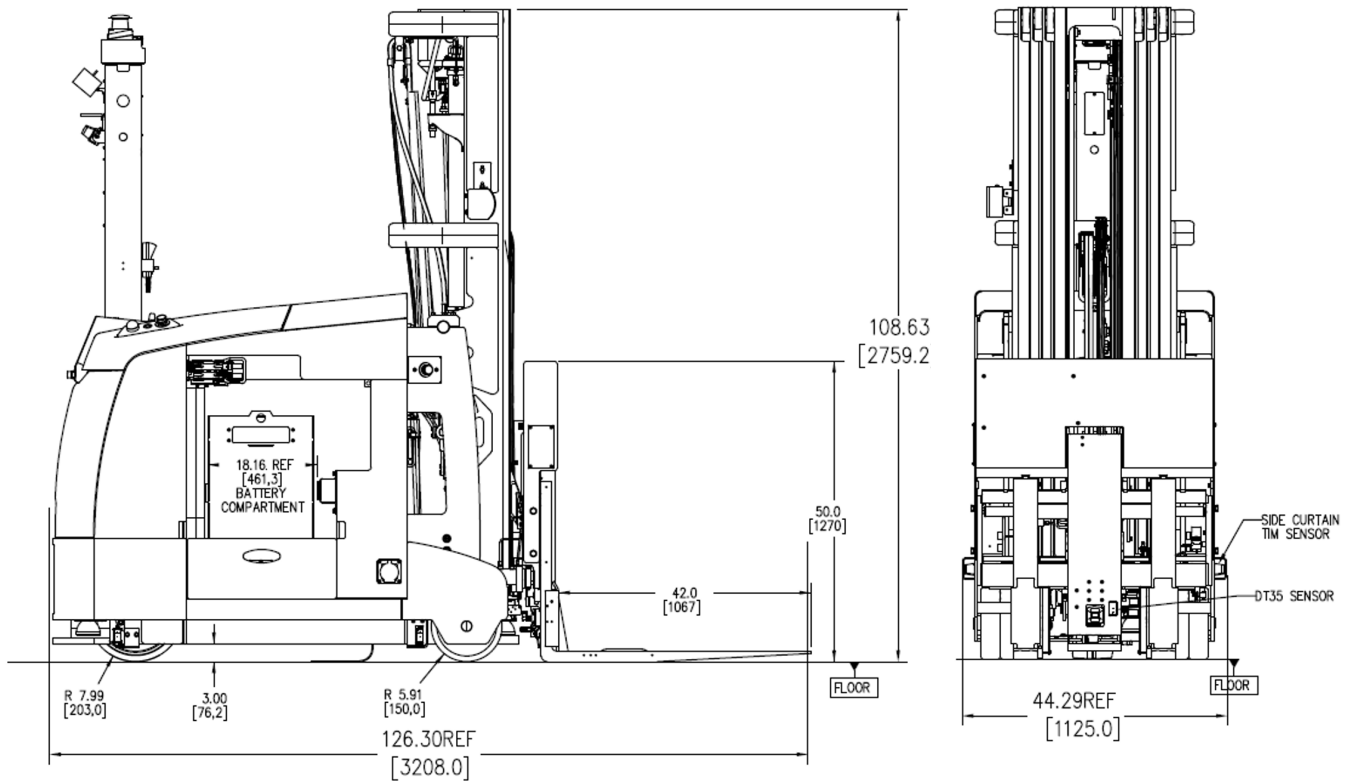
### One Operating System. Total Control.

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.**

## Counterbalance 2500 Automated guided vehicle



### Technical Specifications\*

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

\*Specifications can vary based on application