

**MasterMover®**

# SM200+

Battery powered electric tugger



# SM200+



## Overview

Easily move wheeled loads with the SmartMover range. Delivering effortless pushing, pulling, and steering, the SmartMover improves safety, removes manual handling, and drives operational efficiency.

With robust yet simple coupling systems, the SmartMover range ensures loads are secure and gives operators complete control – even on slopes.

Safety-focused, SmartMover electric tuggers feature anti-crush functionality, emergency stop, variable speed settings, and intuitive controls to keep operators, loads, and equipment safe.

Benefit from versatility with various coupling options available, including a hydraulic clamp that delivers total load security.

## Key Features

### Safety

- Warning horn, flashing beacon, performance monitoring and emergency stop
- Intuitive parking brake stops loads, even on slopes
- Multiple speed settings for maximum control

### Performance

- Two high-powered motors for consistent performance
- 180° steering angle provides precise handling
- Powerful performance both indoors, outdoors and on slopes

### Power

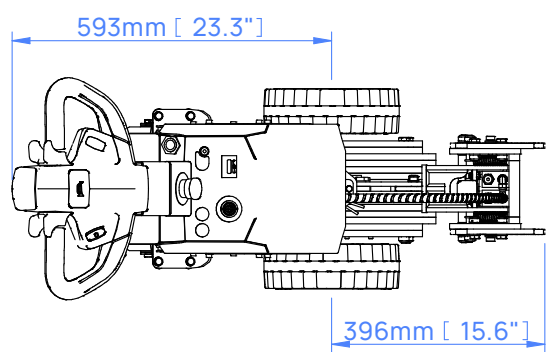
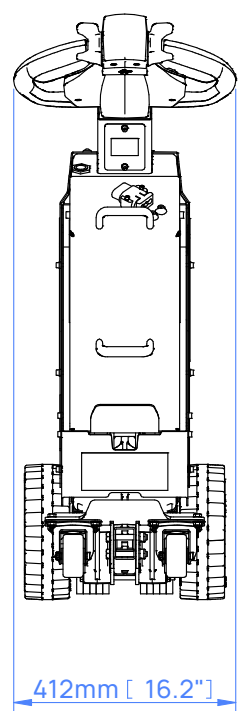
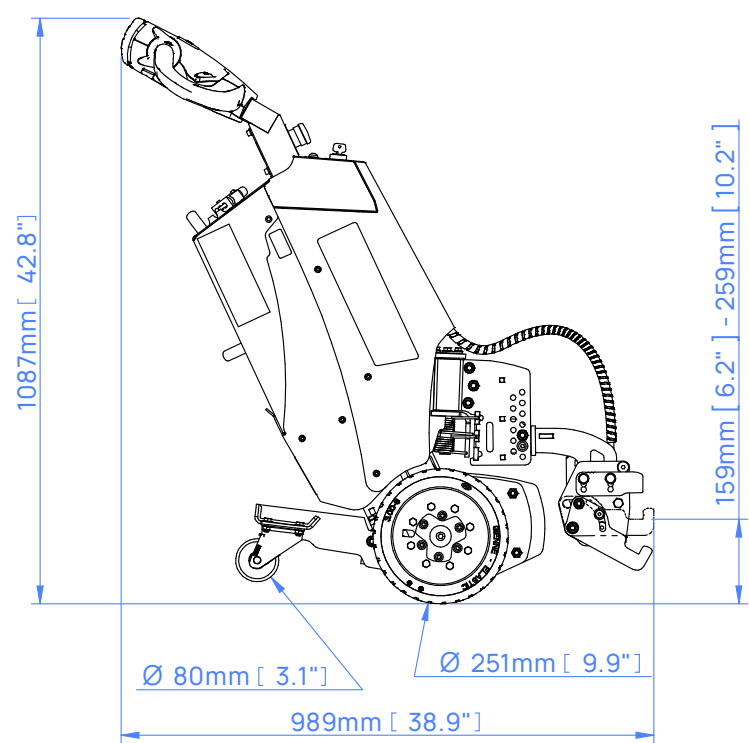
- Interchangeable, maintenance-free batteries for 24/7 operation
- Power display for real-time data
- Smart charging system to maximum battery longevity

### Connection

- Secure and easy-to-use coupling options, including hydraulics
- Variable coupling options for maximum flexibility
- Custom couplings available



# Dimensions

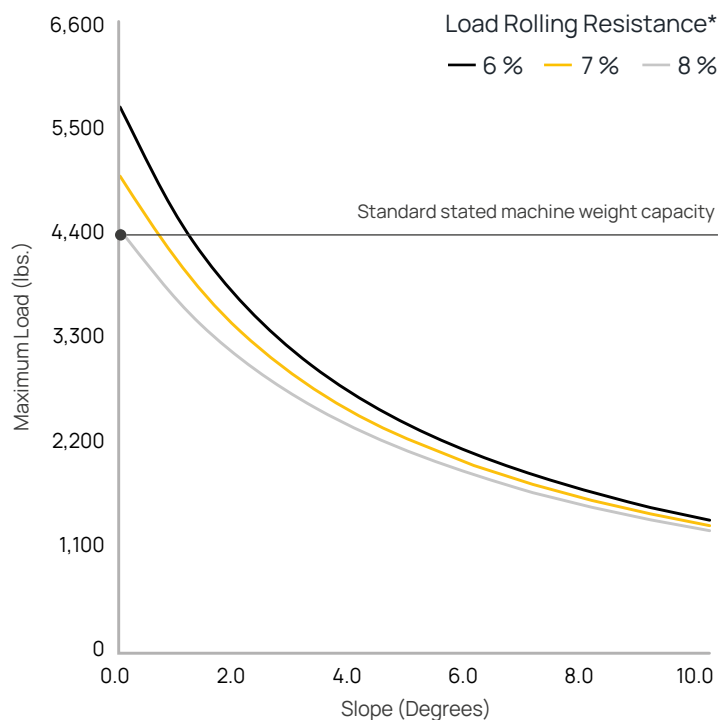


# Slope Performance

The force required to move a load is based on load weight, slope angle and floor condition. Movement on a slope increases the force required to safely start, stop and move the load.

If your application involves moving a load up or down a slope, speak to our team who will be happy to advise on which machine will meet your requirements.




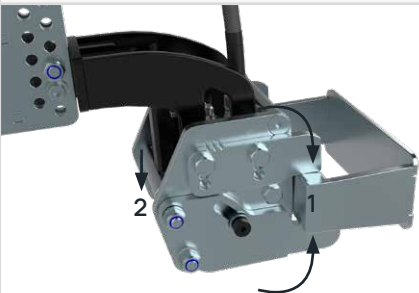

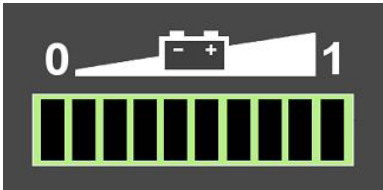


\* Variables that affect rolling resistance include the quality of floor/terrain and the type/condition/quality of castor wheels.






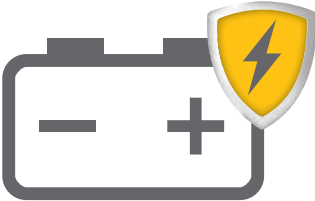
## In Application: SmartMover



# Machine Safety Features


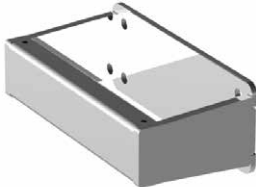





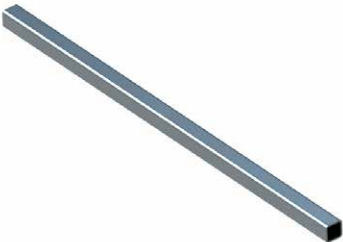

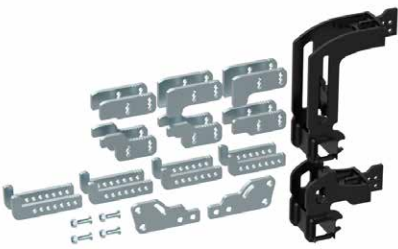


Anti-Crush Button	Warning Horn	Hydraulic AutoTilt Coupling
		
Two Stage Lock to Load	Automatic Parking Brake	Battery Discharge Indicator
		
Emergency Stop	Key Switch	
		

# Machine Options

<div>Additional AGM Battery Z36-00300</div> <div></div>	<div>Flashing Light &amp; Motion Beeper Z36-00501</div> <div></div>	<div>Two Speed Selector Switch Z36-00500</div> <div></div>
<div>Battery Protection System</div> <div></div>		



# Couplings

Hydraulic AutoTilt Coupling - 50mm x 25mm (A frame) Z36-00604 male   Z36-00700 female - straight		
		
Hydraulic AutoTilt Coupling - 50mm x 25mm (A frame) Z36-00604 male   Z36-00701 female - angled		
		
Box Section Sizes 20x20 to 75x75mm		
		
Hydraulic AutoTilt Variable Kit Z36-00605 male	Rollcage Pivot Link Bar	Xriss-Xcross Straps
		

# Couplings

## Custom Engineering

We understand that every application is different. Whether it's a custom coupling to connect to your load, modifying our electric tuggers to work in a challenging environment, or designing an entirely new solution for your application, our Customer Engineering team is here to help.

For more information about our custom engineering capabilities, please visit: [mastermover.com/en-us/custom-solutions](https://mastermover.com/en-us/custom-solutions)  
If you'd like to discuss your requirements, speak to your sales representative or email: [sales.usa@mastermover.com](mailto:sales.usa@mastermover.com)



# Technical Specification

Machine	
Product code	Z36-00101
Maximum load (on castors   on rails)	4,400 lbs.   17,600 lbs.
Maximum force (push   pull)	1,570 N   1,570 N
Machine weight	276 lbs.
Battery weight (standard 28 Ah)	53 lbs.
Combined machine & battery weight (standard 28 Ah)	329 lbs.
Drive type	Twin Electric Motor
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Non-Marking Rubber
Castor wheel type	Non-Marking Polyurethane
Drive wheel Diameter	9.8"
Drive motor power	2 x 0.24 kW
Controller type	DC
Standard machine speed	1.2 mph
Hare mode speed (With two speed selector switch)	1.9 mph
Tortoise mode speed (With two speed selector switch)	0.7 mph
Maximum slope	10°
Voltage	24 v
Noise level	Motor ≤80 dBA   Flashing light ≤85 dBA   Horn ≤112 dBA
Metal work finish	Powder coat paint & zinc plated
IP rating	IP44
Hydraulic Specification	
Clamp Force at the Coupling	1,708 lbs.
AGM Battery	
Product code	Z36-00300   Z36-00301
Battery pack capacity	28 Ah   35 Ah
Maximum distance per charge*	2.6 miles   3.3 miles
Charge time	5 hrs 30 mins   7 hrs
External Charger	
Product code	Z36-00400
Input voltage	85 - 265 v
Hertz	50 - 60 Hz
Amps	5 A
Phase (single, three)	Single
IP Rating	IP30

# Technical Specification

Lithium Battery	
Product code	Z36-00302
Battery pack capacity	39 Ah
Maximum distance per charge*	3.7 miles
Charge time (External charger)	1 hrs 45 mins
External Charging	
Product code	Z36-00401
Input voltage	85 - 265 v
Hertz	50 - 60 Hz
Amps	25 A
Phase (single, three)	Single
IP rating	IP30
Coupling	
Hydraulic AutoTilt Coupling - 50mm x 25mm (A frame) - Straight	Optional
Hydraulic AutoTilt Coupling - 50mm x 25mm (A frame) - Angled	Optional
Box Section	Optional
Hydraulic AutoTilt Variable Kit	Optional
Rollcage Pivot Link Bar	Optional
Xriss-Xcross Straps	Optional
Safety	
Key Switch	Standard
Automatic Parking Brake	Standard
Battery Discharge Indicator	Standard
Anti-Crush Button	Standard
Emergency Stop	Standard
Hydraulic AutoTilt Coupling	Standard
Warning Horn	Standard
Two Stage Lock to Lock	Standard
Options	
Additional AGM Battery	Optional
Flashing Safety Light and Motion Bleeper	Optional
Two Speed Selector Switch	Optional
Battery Protection System	Standard

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CE ISO 9001 ISO 45001