

MasterMover®

TOW200 SS

Battery powered electric tow tugger



TOW200 SS



Overview

The Stainless Steel range of electric tuggers delivers the same level of performance as our mild steel ranges but with the added benefit of seamlessly integrating into sterile environments.

Whether it's a biopharmaceutical cleanroom suite or a food manufacturing facility, our stainless steel electric tuggers remove manual handling and drive operational efficiency without compromising the cleanliness of your facility.

Constructed from high-grade 316 stainless steel and with IP ratings of up to IP55 available, stainless steel electric tuggers are ideally suited to the stringent requirements of sterile environments. You're guaranteed powerful performance with machines in the range capable of moving up to 33,000 lbs.

The Stainless Steel range of electric tuggers facilitates the controlled movement of loads in tight spaces, with an array of coupling options available that put load security and safety at the forefront.

Key Features

Safety

- Warning horn, flashing safety light, emergency stop button and anti-crush button
- Speed control with an optional two-speed selector switch for maximum control
- Complete load security with automatic braking ensuring load stop

Power

- Optimizes motor output to optimize speed and power
- Maintenance-free, interchangeable battery options
- Powerful, effective, traction generation for smooth performance

Performance

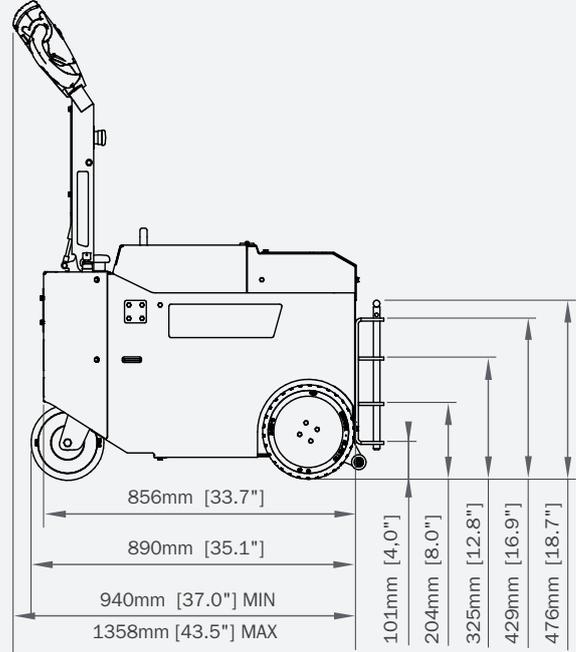
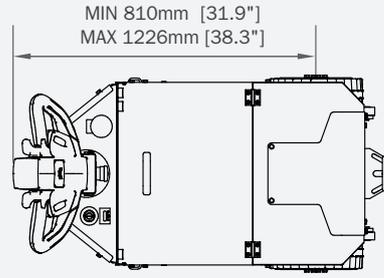
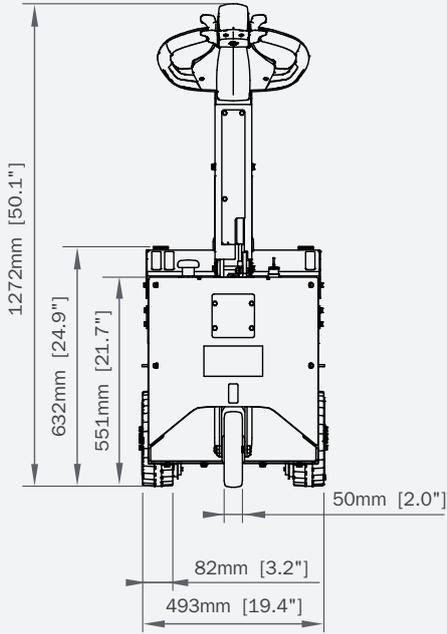
- Powerful weight-moving capabilities suited to every application
- Maximum traction even on wet floors
- Compact and maneuverable to deliver precise movements in even the tightest of spaces

Connection

- Secure coupling systems to deliver the controlled movement of loads
- A range of coupling options available to connect to a variety of loads
- Custom couplings available



Dimensions



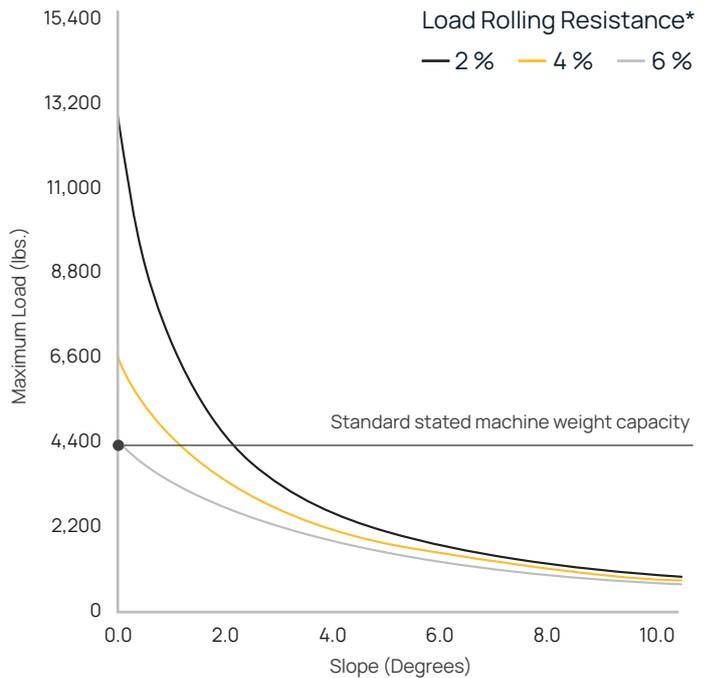
Wireless Handset

The ergonomic design of the remote control gives the operator access to the complete range of movement and safety options.†



† Remote control operation is optional

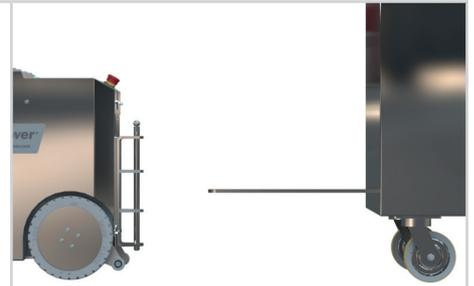
Slope Performance



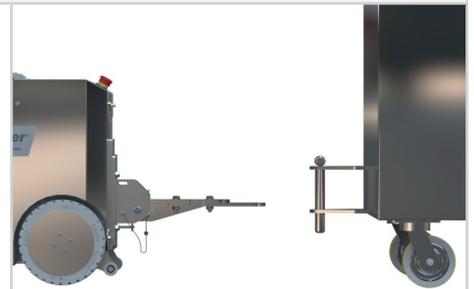
* Other variables that affect load moving capability could include quality of floor/terrain and the type/condition/quality of load wheels.

Couplings

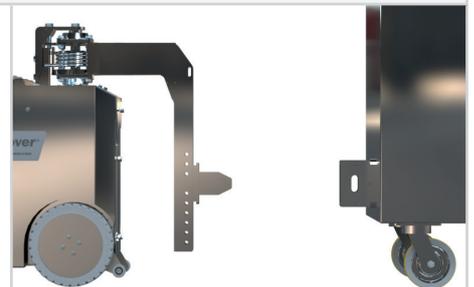
Pin Coupling
Z79-00600 male



Tow Arm Coupling
Z79-00602 male



Box Coupling
Z79-00603 male | Z79-00700 female

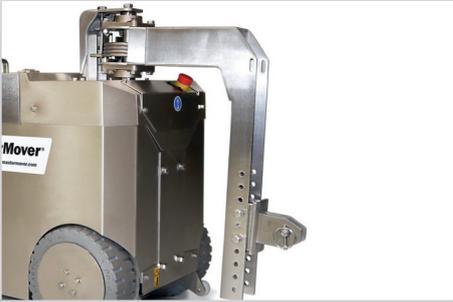
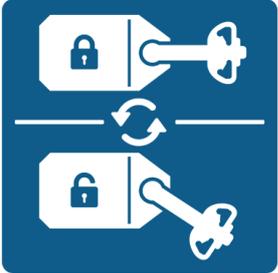


No Coupling Z79-00604

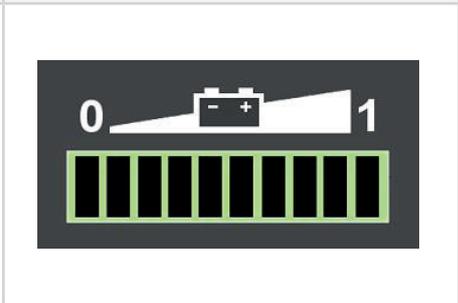
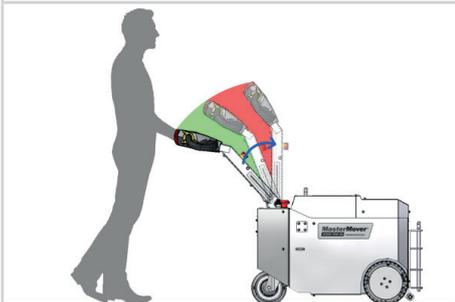
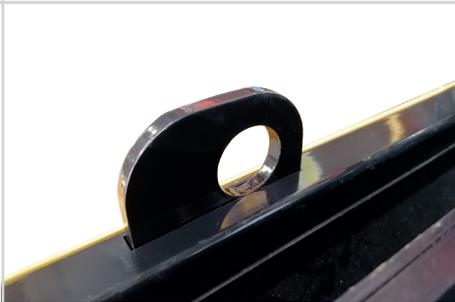
Custom Couplings

Where required, custom coupling solutions can be designed by our in-house Design and Engineering team.

Machine Options

<p>Flashing Light & Motion Beeper Z79-00500</p>	<p>Machine Crawl Coupling Assist Z79-00501</p>	<p>Fifth Wheel Z79-00503</p>
		
<p>Remote Control Z79-00504</p>	<p>Two Speed Selector Switch Z79-00505</p>	<p>Battery Protection System Z79-00508</p>
		
<p>Steer Mode Switch Z79-00502</p>		
		

Machine Safety Features

Key Switch	Emergency Stop Button	Battery Discharge Indicator
 A close-up photograph of a key switch. It features a blue circular base with a black handle in the 'O' (off) position. The handle is currently turned to the 'I' (on) position. The letters 'P.O.S.' are visible on the black dial.	 A close-up photograph of a red emergency stop button. The button is mounted on a metal surface and has a yellow circular label with the word 'EMERGENCY' and a stop symbol. The letters 'STO' are partially visible below the button.	 A digital battery level indicator. It shows a battery icon with a minus sign on the left and a plus sign on the right. Below the icon is a row of ten green bars of varying lengths, representing the charge level. The numbers '0' and '1' are positioned at the far left and right of the bar row, respectively.
Anti-Crush Button	Automatic Parking Brake	Warning Horn
 A photograph of a red and yellow anti-crush button. The button is mounted on a grey plastic housing and has a yellow label with a red 'X' symbol.	 A black and white symbol for an automatic parking brake. It consists of a large letter 'P' inside a circle, with two curved lines on either side of the circle.	 A close-up photograph of a yellow warning horn button. The button is mounted on a blue plastic housing and has a yellow label with a horn symbol.
Automatic Cut Off	Lifting Points	Tie-Down Points
 A silhouette of a person standing next to a MasterMover machine. The machine's deck is tilted upwards, and a red and green safety sensor is visible. The person's hand is near the sensor, illustrating the automatic cut-off feature.	 A close-up photograph of a black lifting point. It is a curved, D-shaped handle mounted on a metal surface.	 A close-up photograph of a yellow tie-down point. It is a metal handle with a circular opening, mounted on a yellow metal surface.

TOW200 SS Technical Specification

Machine	
Z Code	Z49-00100
Maximum load (on castors)	4,400 lbs.
Maximum push force	785 N
Maximum pull force	1,177 N
Combined machine & battery weight	875 lbs.
Drive type	Electric
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Solid Rubber
Castor wheel type	Polyurethane
Drive motor power	0.8 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 possible machine speed	3.7 mph
Maximum slope	10°
Voltage	24 v
Noise level	Motor ≤80 dBA Flashing light ≤85 dBA Horn ≤112 dBA
Metal work finish	Stainless Steel 316 grade, 240-grit abrasive to 0.6μ satin finish
IP rating	IP55
Wheel diameter	10.2"
AGM Battery	
Z codes	Z79-00300
Battery pack capacity	73 Ah
Maximum distance per charge*	10.3 miles
Charge time (External charger)	5 hrs 30 mins
Charge time (Internal charger)	5 hrs 30 mins
External Charger	
Input voltage	85 - 265 v
Hertz	50 - 60 Hz
Amps	15 A
Phase (single, three)	Single
IP Rating	IP30
Internal Charging	
Input voltage	85 - 265 v
Hertz	50 - 60 Hz

TOW200 SS Technical Specification

Amps	15 A
Phase (single, three)	Single
IP rating	IP30
Lithium Battery	
Z Code	Z79-00301
Battery pack capacity	79 Ah
Maximum distance per charge*	10.5 miles
Charge time (External charger)	2 hrs
External Charging	
Input voltage	85 - 265 v
Hertz	50 - 60 Hz
Amps	40 A
Phase (single, three)	Single
IP rating	IP30
Coupling	
Pin Coupling (male)	Optional
Tow Arm Coupling (male)	Optional
Box Coupling (male female)	Optional
No Coupling	Optional
Safety	
Key Switch	Standard
Emergency Stop	Standard
Battery Discharge Indicator	Standard
Anti-Crush Button	Standard
Automatic Parking Brake	Standard
Warning Horn	Standard
Automatic Cut Off	Standard
Integrated Lifting Points	Standard
Intergrated Tie-Down Points	Standard
Options	
Flashing Safety Light and Motion Bleeper	Optional
Machine Crawl Coupling Assist	Optional
Fifth Wheel	Optional
Two Speed Selector Switch	Optional
Battery Protection System	Optional
Remote Control	Optional
Steer Mode Switch	Optional

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CE ISO 9001 ISO 45001