MasterMover

TOW200

Battery powered electric tow tug



TOW200



Overview

The MasterTow range of powerful, easy-to-use electric tow tugs, is ideally suited to towing heavy loads. The range uses its own weight to deliver consistent traction, enabling the effortless movement of loads both inside, outside and on slopes.

Boasting intuitive operator controls and safety built-in as standard, the range provides operators with complete control when moving heavy loads. With a simple and effective coupling system, the MasterTow

range guarantees load security and is perfectly suited to moving individual and multiple loads linked together.

Take advantage of innovative technology with Electric Steer (ES), available from the TOW600 ES upwards. With Electric Steer, benefit from instantaneous steering and added performance in adverse conditions. The MasterTow range is available with Remote Control, for maximum operator visibility, and Autonomous (AGV) solutions for maximum ROI, safety and efficiency.

Key Features

Safety

- · Audible horn, flashing light beacon and emergency stop
- · Machine crawl coupling assist for easy connection
- · Multiple speed settings for complete control

Performance

- Optimised weight distribution for guaranteed traction
- Start, move and stop movement on slopes
- Powerful performance delivers high torque even at low speeds

Power

- Optional Battery Protection System maximises battery life
- High performance, interchangeable batteries for 24/7 operation
- · Lithium batteries available

Connection

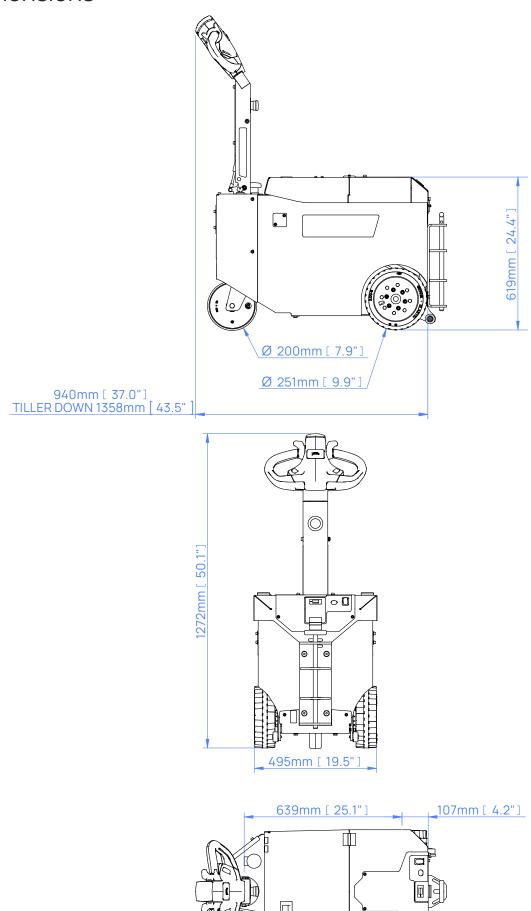
- · Easy and universal coupling options
- · Lockable couplings to keep loads secure
- · Variety of coupling options available







Dimensions

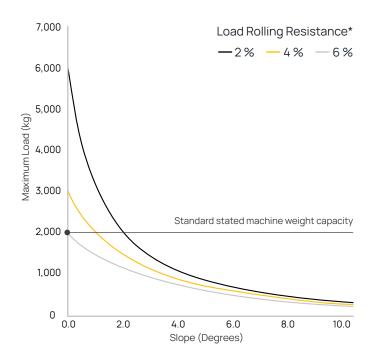


Slope Performance

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.



In Application: MasterTow



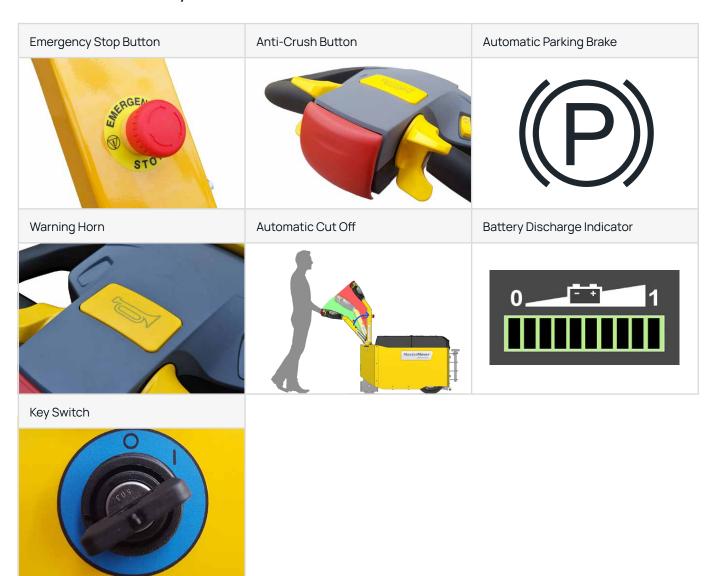






^{*} Variables that affect rolling resistance include the quality of floor/terrain and the type/condition/quality of castor wheels.

Machine Safety Features



Machine Options

AGM Battery Flashing Light & Motion Beeper Two Speed Selector Switch Z49-00300 Z49-00500 Z49-00505 Machine Crawl Coupling Assist Tiller Steering Fifth Wheel Z49-00501 Z49-00509 Z49-00503 Remote Control Battery Protection System Z49-00504 Z49-00506

Couplings









No Coupling Z49-00604

Couplings

Custom Engineering

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

For more information on our custom engineering capabilities, please visit: mastermover.com/custom-solutions If you'd like to discuss your requirements, speak to your sales representative or email: sales@mastermover.com

Technical Specification

Machine	
Product code	Z49-00100
Maximum load (on castors I on rails)	2,000 kg 8,000 kg
Maximum force (push I pull)	785 N I 1,177 N
Machine weight	321 kg
Battery weight (standard)	54 kg
Combined machine & battery weight (standard)	375 kg
Drive type	Electric
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Solid Rubber
Castor wheel type	Polyurethane
Drive wheel diameter	260 mm
Drive motor power	0.8 kW
Controller type	DC
Standard machine speed	2 KPH
Hare mode speed (With two speed selector switch)	3 KPH
Tortoise mode speed (With two speed selector switch)	1.2 KPH
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
AGM Battery	
Product code	Z49-00300
Battery pack capacity	73 Ah
Maximum distance per charge*	16.6 km
Charge time (External Internal charger)	5 hrs 30 mins 5 hrs 30 mins
External Charger	
Product code	Z49-00400
Input voltage	85 - 265 v
Hertz	50 - 60 Hz
Amps	15 A
Phase (single, three)	Single
IP Rating	IP30
Internal Charging	
Product code	Z49-00401
Input voltage	85 - 265 v



Technical Specification

Prayse \$15A Prating 1230 IP rating 1230 IL thium Battery 249-00301 Battery pack capacity 79 Ah Maximum distance per charge* 17.9 km Charge time (External charger) 2 hrs External Charging 24 hrs External Charging 85 - 265 v Input voltage 85 - 265 v Iest tr 50 - 60 Hz Amps 40 A Phase (single, three) 3 ingle Prating 1830 Coupling 1830 Coupling (male) Optional Tow Arm Coupling (male) Optional Tow Arm Coupling (male) Optional No Coupling (male) I female) Optional Rey Switch Standard Emergency Stop Standard Automatic Parking Brake Standard Wall-Crush Button Standard<		
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