



**TRACKMOBILE®**

A MARMON RAIL COMPANY

*Leading Railcar Mobility Since 1948*



Railcar Mover Group

# HERCULES



Joystick & Armrest Controls



Ergonomic Operator's Seat



Safe-T-Vue™ 360° Visibility System



**Over 46,000 lbf. of Tractive Effort**

# HERCULES

A mid-range capacity model, the Hercules is the market's most popular class of machine to date. Designed with floating axles, to ensure 4 points of contact on the rail at all times and an ergonomically designed cab to provide operator comfort, the Hercules is an optimum solution for many operations. The Hercules can be ordered with a Full-Width Cab option, allowing for a narrower profile and providing a superior solution for maneuvering in tight spaces.



Hercules control panel and operational controls.

## Standard Features

- CAN-Bus Control System with On Board Diagnostics
- UltraView 7" Color Touch Screen Display
- Safe-T-Vue™ 360° Visibility and Railing Display
- Ergonomic Air Ride, High Back 180° Swivel Seat
- Joystick and Armrest Controls
- Neutral Braking
- Programmed Throttle Control with Dual Ramp Rates
- Automatic / Manual Power-Shift Transmission
- 100 CFM Rotary Screw Air Compressor
- In-Cab Front and Rear Train Air Valves
- Incremental Train Air Brake Controller
- Train Air Hold Button
- Steel Railwheels
- Accessible External Disc Brakes
- Impact Sensor/Recorder
- LED head lighting, strobes, and work lighting

**Safety** is at the forefront of all Trackmobile engineering designs. In addition to slip-resistant surfaces, abundant lighting, and crossover decks with steel bar tread ladders, Hercules also offers these standard and optional\* safety features:

- Patented Safe-T-Vue™ 360° System
- Ramped Throttle Control - Quick and Slow
- Telematics Remote Monitoring & Diagnostics
- Rear Coupler Camera
- Electronic Speed Control
- Neutral Braking
- Hydraulic Lock-Out
- GPS Positioning Capabilities

- Train Air Charge Indicator\*
- MAX-Trac - Automatic Traction Control System\*
- Remote Control System\*
- MAX-Tran Automatic Weight Transfer System\*
- Vigilance Control\*

**Ask your Trackmobile Specialist about these and other options to help keep your crews safe and reduce workload fatigue.**

\* Feature is an option

<b>Maximum Tractive Effort*</b>		
Double Coupled	45,375 lbs [20,581.7 kg]	
Single Coupled	29,040 lbs [13,172.3 kg]	
<b>Dimensions / Performance**</b>		
	<b>On Rail</b>	<b>On Road</b>
Wheel Base	127" [3,226 mm]	65.5" [1,663 mm]
Rail & Road Clearance	4.0" [101.6 mm]	8.8" [223.5 mm]
Rail & Road Height	155.4" [3,947 mm]	165.5" [4,204 mm]
Length	171.9" [4,366 mm]	
Width^^	125.9" [3,198 mm]	
Weight	38,500 [17,463.3 kg]	
Rail Gauge*	AAR Standard 56.5" [1,435 mm]	
Centerline to Cab Side	65.18" [1,655.6 mm]	
Centerline to Non-Cab Side	60.75" [1,543 mm]	
<b>Speeds (Forward &amp; Reverse)***</b>		
	<b>On Rail</b>	<b>On Road</b>
Low	2.4 mph [3.9 km/h]	1.5 mph [2.4 km/h]
2nd Gear	4.0 mph [6.4 km/h]	2.5 mph [4.0 km/h]
3rd Gear	8.0 mph [12.8 km/h]	5.1 mph [8.2 km/h]
4th Gear	13.6 mph [21.9 km/h]	8.7 mph [14.0 km/h]
<b>Engine</b>		
Cummins electronic turbo-charged 6.7 Liter [408 In <sup>3</sup> ] engine: in-line 6 cylinder, 4 valves per cylinder, 173 hp [129 kW] @ 2,500 rpm, Max torque 457 lb-ft [620 N-m] @ 1,500 rpm		
Fuel Tank - Steel	Sixty (60) gallon [227 liter] capacity with lockable cover	
<b>Air Intake<sup>1</sup></b>		
Intake Air heater	Preheats incoming combustion air prior to start. 3-stage filtration, High-efficiency Pre-cleaner, Primary and Safety Filter	
<b>Powertrain</b>		
Transmission	Funk, DF 150-series, constant mesh spur gearing. Four-speed forward and reverse with selectable power-shift manual or automatic with 4th or 3rd and 4th lock-out for rail, road, or both.	
<b>Axles</b>		
	<b>On-Road</b> - Two heavy duty steel axles	
	<b>On-Rail</b> - Two (2) out-board internal planetary type with high strength ductile iron rear axle drive hubs with friction drive.	
Differential	Two (2) Rigid, outboard planetary, air actuated, auto-control differential locking.	
Transfer Case	Heavy-duty, hardened alloy steel spur gears with oil bath lubrication.	
<b>Safety Features</b>		
Automatic shutdown as a result of:	High engine temperature; Low engine coolant level; High compressor temperature; High hydraulic system oil temperature; (Optional low hydraulic system oil level)	
<b>Brake System</b>		
On-Road Machine Braking <sup>2</sup>	Hydraulic disc brakes with Dual Calipers	
On-Rail Machine Braking <sup>2</sup>	Hydraulic disc brakes, 18" [457 mm] diameter	
Machine Parking Brake	Spring applied, air released, 14" [355.6 mm] diameter disc, driveline mounted.	
Selectable Neutral Braking	Automatically applies brake to full pressure within 5 seconds of operator inactivity.	

Train Air Brakes	Glad hand connections
<b>Train Air Compressors</b>	
100 cfm Rotary Screw Air Compressor	STANDARD
<b>Hydraulic System</b>	
<ul style="list-style-type: none"> <li>• Constant pressure hydraulic system, piston pump and o-ring face seal fittings and oil filtered below ISO 18/16/13.</li> <li>• Provides On-road and on-rail braking power.</li> <li>• Provides hydraulic steering on road.</li> </ul>	
<b>Electrical System</b>	
Alternator	HD 12-Volt DC, 160 AMP
Batteries	Two (2) - 925 CCA
Digital Instrumentation	SAE-J1939 CAN-Bus Control System
Digital Control Display	7" display for real-time machine statistics and diagnostic data.
Cameras	Safe-T-Vue™ 360° visibility and railing camera with 10" color monitor
Additional Cameras	Two (2) additional outputs for extra camera locations
Alarms	Automatic backup road-mode alarm, selectable electronic <ul style="list-style-type: none"> <li>• Warble-type alarm</li> <li>• Blast-type air horn</li> <li>• Amber strobe warning lights</li> </ul>
<b>Wheels / Tires</b>	
On Road	Four (4), 16-ply, 9.00 x 20, Heavy-duty Mine Service rubber tires
On Rail	Four (4), 27" [685.8 mm], heat-treated, forged steel, ring-style flanged railwheels
<b>Rail Sanders</b>	
Eight (8) individual, air-operated, electronically-controlled sanders.	
<b>Chassis / Frames</b>	
Main Frame	Heavy-duty, high-strength 2" [51 mm] thick welded steel main frame with two (2) 3" [76.2 mm] thick cross members, one front, one rear
Body Frame	Heavy-duty, all-welded construction using pre-formed steel plates and structural forms.
<b>Suspension</b>	
Six (6) mounts between cab and body frame (deck), four (4) large rubber mounts between body and main frame.	
<b>Couplers / Coupler Beams</b>	
Couplers	Two (2) heavy-duty cast steel weight transfer design, positive coupling and uncoupling with AAR contour coupler and locking knuckles.
Coupler Beams	Two (2) standard-width coupler beams which handle most standard curve radii.
Optional wide-traverse coupler beams are available for adverse and severe curve radii.	

Note<sup>1</sup> Not to be used in conjunction with ether starting fluid.  
 Note<sup>2</sup> Maximum application pressure is varied automatically, depending on whether the machine is in rail or road mode. On rail, the application pressure will vary depending on weight transferred, for best stopping capability.

\* Rail Gauges available in various sizes.  
 \*\* For shipping purposes, add 1.5" [38 mm] to rail height for a 2" x 4" block under wheel tread. Additional variations may occur due to options selected.

\*\*\* Actual speeds obtained will depend on grade, load, altitude, and other factors.  
 ^^ Width of machine includes 360° Safe-T-Vue™ cameras on each side of machine. Width may be narrowed by approximately 3" for tight tolerances if Safe-T-Vue™ system is removed at time of new machine order.



# TRACKMOBILE®

## A MARMON RAIL COMPANY

Trackmobile is a proud member of the Marmon Rail Group. Marmon Rail provides a variety of products and services to help solve customer's biggest challenges. Whether you need track maintenance and construction, locomotives, railcar movers, or on-site and mobile repairs, Marmon Rail and Leasing has a solution for your operation. All companies within Marmon Rail are experts in their field. We leverage our expertise to provide customers with innovative, sustainable solutions for any rail operation.

### TOGETHER, WE KEEP OUR WORLD MOVING FORWARD.

## Industry's Most Experienced Dealer Network

More than 100 facilities and over 300 factory-trained service technicians throughout North America



- 24 Hour Emergency service
- Service & Parts for all models of Trackmobiles
- Dedicated railcar mover technicians
- Customized railcar mover service vehicles
- On site or in shop service and repair
- NEW Trackmobile railcar movers
- Quality reconditioned railcar movers
- In shop or on site Operator training
- Late model rental units for emergencies
- Availability reduces downtime
- Machine demonstrations
- Machine safety evaluations
- Free site surveys

## UNPARALLELED SERVICE AND SUPPORT

Trackmobile dealers provide the industry's best and most experienced sales and service support. Many of our dealers have been working with railcar movers, specifically Trackmobile, since its introduction in the early 1950's. From being there to help select the right machine for your operations, to providing knowledgeable ongoing support, Trackmobile dealers help keep your business on track. Our customers have reported maintaining up to 99.7% uptime due to Trackmobile's dependability and unsurpassed customer service support.



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