TRACKMOBILE®
A MARMON RAIL COMPANY

VULCAN 475

Leading Railcar Mobility Since 1948





8 Heavy Duty Pivoting Guide Wheels



Comfortable and Spacious Cab

Over 71,000 lbf. of Tractive Effort

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VULCAN

The Vulcan is Trackmobile's newest model. Designed for more rugged and higher duty cycle applications, the Vulcan is engineered for powerful efficiency and comfort, delivering up to 71,000 lbf. of tractive effort.



Standard Features

- CAN-Bus Control System with On-board Diagnostics
- Ergonomic Air Ride, High Back 180° Swivel Driver's Seat
- Ergonomic Air Ride, High Back 180° Swivel Passenger-Seat
- 3rd Passenger/Trainer jump seat
- Ergonomic Armrest Controls
- Tinted tempered glass (meets ANSI 26.1 standard)
- Automatic / Manual Power-Shift Transmission
- 100 CFM Rotary Screw Air Compressor
- In-Cab Front and Rear Train Air Valves
- Incremental Train Air Brake Controller
- Accessible External Disc Brakes
- Impact Sensor/Recorder
- Embedded LED head lights
- LED strobe, work, and under hood lights
- Upgraded Jumpseat
- Premium HVAC system
- 100 Gallon (378 liter) Train Air Reservoir
- Fire Extinguisher, 5 pounds
- Michelin XZM 32 PLY rubber tires
- Train Air Charge Indicator
- Train Air Hold Button

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

- Patented Safe-T-Vue II™ 360° Visibility / Railing Display
- Ramped Throttle Control - Quick and Slow
- Telematics Remote Monitoring & Diagnostics*
- Rear Coupler Camera
- Electronic Speed Control
- Neutral Braking
- 3-axis pivoting guide wheels
- Hydraulic Lock-Out
- GPS Positioning Capabilities
- Remote Control 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*

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Tractive Effort*	
Tractive Effort	71,250 lbf [315 kN]

Dimensions / Performance**	
Wheel Base	142" [3,607 mm]
Rail & Road Clearance	11.5" [292 mm]
Rail & Road Height	152" [3,860 mm]
Length	340" [8,636 mm]
Width	120" [3,048 mm]
Weight	103,000 lbs [46,818 kg]
Rail Gauge	AAR Standard 56.5" [1,435 mm]

Speeds (Forward & Reverse)***	On Rail	On Road
Low	2.4 mph [3.9 km/h]	2.4 mph [3.9 km/h]
2nd Gear	4.7 mph [7.6 km/h]	4.7 mph [7.6 km/h]
3rd Gear	9.5 mph [15.3 km/h]	9.5 mph [15.3 km/h]
4th Gear	15 mph [24 km/h]	N/A on Road

Engine

Cummins electronic turbo-charged 8.9 Liter [543 In³] engine: In-line 6 cylinder, 4 valves per cylinder, 350 hp [261 kW] @ 2,100 rpm, Max torque 990 ft-lb [1,342 N-m] @ 1,900 rpm

Fuel Tank - Steel	One hundred twenty (120) gallon [454 liter] capacity

Air Intake[1]	
Intake Air heater	Preheats incoming combustion air prior to start.
Air Filtration Tier IV	3-stage filtration, High-efficiency Pre-cleaner, Primary and Safety Filter

Powertrain	
Transmission	Funk, DF 250-series, constant mesh spur gearing. Four-speed forward and reverse with selectable power-shift manual or automatic with 4th gear or 3rd and 4th gear lock-out for rail, road, or both.
Axles	Two (2) out-board internal planetary type with high strength ductile iron axle housing.
Differential	Two (2) Rigid, outboard planetary, air actuated, auto-control differential locking.

Safety Features	
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)

Brake System	
Machine Braking	Hydraulic disc brakes with Dual Front Calipers & Triple Rear Calipers (19" rotors)
Machine Parking Brake	Hydraulic transmission mounted, self-constrained, spring-activated wet disc park brake.
Train Air Brakes	100 gallon [378 liter] capacity train air reservoir with glad hand connections

Train Air Compressors	
100 cfm Rotary Screw Air Compressor	STANDARD

NOTE: All Train Air System options feature in-cab train air valves.

Hydraulic System

- Constant pressure hydraulic system, piston pump and o-ring face seal fittings and oil filtered below ISO 18/16/13.
- Provides on-road and on-rail braking power.
- Provides hydraulic steering on road.

Electrical System	
Alternator	HD 12-Volt DC, 160 AMP
Batteries	Two (2) - 925 CCA
Digital Instrumentation	SAE-J1939 CAN-Bus Control System
Digital Control Display	10" display for real-time machine statistics and diagnostic data.
Cameras	Guide wheel railing cameras with 10" color monitor
Additional Cameras	Safe-T-View II™ camera/monitor setup included
Alarms	• Automatic backup road mode alarm • Selectable electronic warble type alarm • Blast type air horn • Amber strobe warning lights

Wheels / Tires	
On Road	Four (4), Michelin XZM 32 PLY 14.00 x 24 rated rubber tires
On Rail	Eight (8), 15.75" [400 mm], heat-treated, cast steel guide wheels manufactured to AAR M107/M-208.

Rail Sanders

Eight (8) individual, air-operated, electronically-controlled sanders and track cleaning system.

Chassis / Frames	
Main Frame	Heavy-duty, high-strength welded 3" [76.2 mm] structural plates
Pivoting Guide Wheels	Heavy-duty, pivoting guide wheels with 3 axes of rotation that pivot up to 10°, assuring all guide wheels contact the rail at all times.
Body Frame	Heavy-duty, all-welded construction using pre-formed steel plates and structural forms.

Suspension

Air-ride suspension, four (4) Firestone airbags and shock absorbers between body frame and fully suspended cab with leveling adjustment capability.

Couplers / Coupler Beams	
Couplers	Two (2) heavy-duty cast steel positive coupling and uncoupling with AAR contour coupler and locking knuckles.
Coupler Beams	Two (2) coupler beams (descriptor, graphic infused, forged, reinforced) with hydraulic coupler positioning

Note:
¹ Not to be used in conjunction with Ether starting fluid. Additional variations may occur due to options selected.

**** Maximum Tractive Effort can be affected by grades and adverse track conditions.***
***** Subject to change without notice***
****** Actual speeds obtained will depend on grade, load, altitude, and other factors.***

Trackmobile® LLC reserves the right to change specifications at any time without prior notice.

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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.

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- 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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