

Leading Railcar Mobility Since 1948

SPARTAN



Joystick & Armrest Controls



Ergonomic Operator's Seat



Pivoting Main Frame Bearing



Safe-T-Vue™ 360° Visibility System



Over 25,000 lbf. of Tractive Effort

SPARTAN

The Spartan is Trackmobile's answer to smaller operations. This unit is perfect for lower duty cycle applications where reliability is critical, Spartan quickly gets the job done safely and efficiently. Equipped with many of the same features as the larger Trackmobile units, Spartan operators enjoy the same dependable performance and ergonomically designed cab to ensure operator comfort.



Spartan control panel and operational controls.

Standard Features

- CAN-Bus Control System with On-board Diagnostics
- Electronic joystick steering
- SimpleView 10" 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
- 40 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, Spartan also offers these standard and optional* safety features:

- Patented Safe-T-Vue™ 360° Visibility / Railing Display
- 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

Maximum Tractive Effort*		
Double Coupled	26,000 lbs [11,793 kg]	
Single Coupled	21,750 lbs [9,866 kg]	
Dimensions / Performance		
	On Rail	On Road
Wheel Base	119" [3,023 mm]	59" [1,498.6 mm]
Rail & Road Clearance	4.12" [104.6 mm]	10.84" [275 mm]
Rail & Road Height	121" [3,073 mm]	127.3" [3,233 mm]
Length	173.25" [4,401 mm]	
Width**	104" [2,641 mm]	
Weight	30,760 lbs [13,953 kg]	
Rail Gauge**	AAR Standard 56.5" [1,435 mm]	
Centerline to Cab Side	52.8" [1,341.1 mm]	
Centerline to Non-Cab Side	50.2" [1,275.1 mm]	
Speeds (Forward & Reverse)***		
	On Rail	On Road
Low	2.0 mph [3.2 km/h]	1.2 mph [1.9 km/h]
2nd Gear	4.2 mph [6.8 km/h]	2.5 mph [4.0 km/h]
3rd Gear	10.2 mph [16.4 km/h]	6.0 mph [9.7 km/h]
Engine		
Cummins electronic turbo-charged 3.8 Liter [232 in³] engine: In-line 4 cylinder, 4 valves per cylinder, 100 HP [75 kW] @ 2,200 rpm, Max torque 306 lb-ft [415 N-m] @ 1,600 rpm.		
Fuel Tank - Steel	Thirty (30) gallon [113.5 liter] capacity	
Air Intake ¹		
Intake Air heater	Preheats incoming combustion air prior to start. 3-stage filtration, High-efficiency Pre-cleaner, Primary and Safety Filter	
Powertrain		
Transmission	DANA, T12000, constant mesh helical gearing. Three-speed forward and reverse with selectable power shift manual.	
Axles		
	On-Road - Two heavy-duty steel axles.	
	On-Rail - Two (2) out-board internal planetary type with high strength ductile iron rear axle drive hubs with friction drive.	
Differential	Auto-control locking differential.	
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		
On-Road Machine Braking ²	Hydraulic disc brakes (Single calliper)	
On-Rail Machine Braking ²	Hydraulic disc brakes, 18" [457 mm] diameter	
Machine Parking Brake	Spring applied, air released, 10" [254 mm] diameter disc, driveline mounted.	
Selectable Neutral Braking	Automatically applies brake to full pressure within 5 seconds of operator inactivity.	
Train Air Brakes	System is electronically controlled. Exclusive hand control has four detented positions (90, 80, 70, and 60 psi). Glad hand connections. Train air hold button to allow pressures between detented positions.	

Train Air Compressors	
40 cfm Rotary Screw Air Compressor	STANDARD
Pneumatic System	
Air dryer for machine air system and to fill air ride seat. Heated with internal thermostatically controlled 12-volt heater to prevent pneumatic line release valve freeze ups in damp / cold climates.	
Hydraulic System	
Constant pressure Hydraulic System, piston pump and o-ring face seal fittings and oil filtered below ISO 18/16/13.	
Electrical System	
Alternator	HD 12-Volt DC, 135 AMP
Batteries	Two (2) - 925 CCA
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
Alarms	Automatic backup road-mode alarm. <ul style="list-style-type: none"> • Warble-type alarm • Blast-type air horn • Amber strobe warning lights
Wheels / Tires	
On Road	Four (4), 16-ply, 255/70R22.5, Tubeless
On Rail	Four (4), 27" [685.8 mm], heat-treated, cast steel, ring-style flanged railwheels
Rail Sanders	
Eight (8) individual, air-operated, electronically-controlled sanders.	
Chassis / Frames	
Main Frame:	Heavy-duty, high-strength 2.56" [65 mm] thick split pivoting main frame linked by an oscillating bearing that pivots up to 10° assuring 4-wheel rail contact at all times and extends axle life.
Body Frame:	Heavy-duty, all-welded construction using pre-formed steel plates and structural forms.
Suspension	
Six (6) mounts between cab and body frame (deck), four (4) large rubber mounts between body and main frame.	
Couplers / Coupler Beams	
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.	

¹ Note¹ Not to be used in conjunction with ether starting fluid.
² Note² 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.
³ Rail gauges available in various sizes.
⁴ 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.
⁵ Actual speeds obtained will depend on grade, load, altitude, and other factors.
⁶ ** 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.

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- 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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