



TRACKMOBILE®

MOBILE RAILCAR MOVERS

TITAN

Specifications

Leading Railcar Mobility Since 1948

Tractive Effort

Double Coupled* 49,467 lbs. [22,438 kg]
Single Coupled* 33,132 lbs. [15,028 kg]

Dimensions / Performance

	On Rail	On Road
Wheel Base	149" [3,792.22 mm]	82.5" [2,095.5 mm]
Rail & Road Clearance	4" [101.6 mm]	9" [248 mm]
Rail & Road Height**	154.2" [3,917 mm]	165" [4,191 mm]
Length	201" [5,105 mm]	
Width	126" [3,200 mm]	
Weight Non-Ballasted	50,900 lbs. [23,088 kg]	
Rail Gauge	AAR Standard 56.5" [1,435 mm]	
Centerline to Cab Side	63.25" [1,607 mm]	
Centerline to Non-Cab Side	59.66" [1,515 mm]	
Cab Interior Volume	199 cu. ft.	

Road Turning Radius

Inside Tire 17' 10" [5.3 m]
Outside Tire 25' 7" [7.6 m]
Outside Clearance 29' 7" [8.5 m]

Speeds (Forward & Reverse)***

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]

Engine

Cummins Electronic Turbo-Charged Diesel Engine QSB-6.7 Liter
 Meets EPA Tier IV Final and EU Stage IV Emissions
 Meets EPA Tier III - EU Stage III A Emissions (International Only) **STANDARD**
 Configuration 6 Cylinder inline **OPTIONAL**
 Valves per Cylinder 4
 Engine Displacement Tier III & IV 408 In³ [6.7 liters]
 Horsepower Tier III & IV 260hp [193 kW] @ 2500 rpm
 Maximum Torque Tier III 550lb-ft [746N-m] @ 1500 rpm
 Maximum Torque Tier IV 550lb-ft [746N-m] @ 1500 rpm

Fuel Tank - High Strength steel fuel tank with Sixty (60) Gallon (227 liters) capacity with lockable cover

Air Intake

Intake Air Heater - preheats incoming combustion air prior to start¹
 Donaldson Brand, 2 - Stage Filtration, Primary Filter and Safety Filter **Tier III STD**
 3 Stage Filtration, High-Efficiency Pre-Cleaner, Primary and Safety Filter **Tier IV STD**

Powertrain

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 gear Lock-Out for Rail, Road, or Both

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 - Two (2) Rigid, outboard planetary air actuated, auto-control differential locking
 Optional AAR or UIC Couplers and Gauges - 1,524, 1,600, or 1676 mm**

Transfer Case - Heavy duty, hardened alloy steel spur gears with oil bath lubrication

Steering

On Road - front axle power steering with pivot away steering wheel

Note¹ **Not to be used in conjunction with Ether starting fluid.**

Note² **Maximum application pressure is varied automatically, depending on whether the machine is in rail or road mode. If the machine is on rail, the application pressure will vary depending on weight transferred, for best stopping capability.**

TIER IV ENGINES ADD APPROXIMATELY 5" ADDITIONAL HEIGHT DUE TO HEIGHT OF EXHAUST STACK ON NEW EXHAUST SYSTEM.

* Depending on weight package option, actual tractive effort may vary with rail and weather conditions.

** 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.

**** Rail Gauges available in a various sizes, speak to your local dealer regarding the gauge best suited for your line.

Main Frame

Heavy Duty -High Strength welded steel with one front 3" [76.2 mm] and one rear 6" [152.4 mm] thick cross-member

Pivoting Frame - Heavy Duty 2" [51 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

Isolation Mounts

for reduced noise and vibration levels
 Eight (8) mounts between cab and body frame (deck), four (4) Firestone airbags between body and main frame with height adjustments

Suspension

Durable shock resistant foundation for the Body Frame, Cab, and major components

Couplers

Two heavy duty cast steel weight transfer design positive coupling and uncoupling with AAR contour coupler and locking knuckle
 Optional wide traverse coupler beam for adverse and severe curve radius
 Standard width beam handles most standard curve radius

Brake System

On-Road Machine Braking² - Hydraulic disc brakes with Dual Calipers
 On-Rail Machine Braking² - 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
 100 CFM Rotary Screw Compressor System **STANDARD**
 56 CFM Engine Driven dual piston air compressor **OPTIONAL**
 In-Cab Train Air Valves

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

Constant Pressure Hydraulic System, piston pump and O-ring face seal fittings and oil filtered below ISO 18/16/13
 On-Road Machine Braking² - Hydraulic disc brakes, Dual Calipers
 On-Rail Machine Braking² - Hydraulic disc brakes, 18" [457 mm] diameter

Electrical

Heavy duty 12-Volt DC, 160 AMP Alternator with Dual 925 CCA Batteries
 Digital Instrumentation - SAE-J1939 CAN-Bus Control System
 7" Digital Display for real-time machine statistics and diagnostic data
 Safe-T-Vue™ 360° visibility and railing camera with 10" color monitor
 Additional 2 outputs for extra camera locations
 Alarms - Automatic Backup Road-Mode Alarm, Selectable Electronic Warble-type alarm, blast type air horn, and amber strobe warning lights

Wheels/ Tire

On Road

Four (4), 16Ply 12.0 x 20 Heavy Duty Mine Service Rubber Tires

On Rail

Four (4), 27" [685.8 mm], heat-treated, forged steel, ring-style flanged railwheels
 AAR Profile Standard Gauge 56 1/2" [1,435 mm] ****
 Eight (8) Individual, Air- Operated, Electronically-Controlled Sanders

Automatic Shutdown

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)

TITAN

TITAN STANDARD FEATURES:

- CAN-Bus Control System with On Board Diagnostics
- UltraView 7" Color Touch Screen Display
- Safe-T-Vue™ 360° Visibility and Railing Camera with 10" Monitor
- Air Ride, High Back 180° Swivel Seat
- Joystick and Armrest Controls
- Neutral Braking with Programmed Throttle Control
- Automatic / Manual Power-Shift Transmission
- In-Cab Train Air Valve
- Incremental Train Air Brake Controller
- Train Air Hold Button
- 100 CFM Rotary Screw Compressor
- Telematics Remote Monitoring & Diagnostic Capabilities
- GPS Positioning Capabilities
- Oscillating Frame for equalized wheel loading
- Air Suspension under cab & body frame
- Wide Coupler Table
- Front and Rear Train Air Valves
- Accessible External Disc Brakes
- Impact Sensor/Recorder
- Coupler Rollers
- LED head lighting, strobes, and work lighting
- Lighted grated steps



Customized for Optimum Efficiency

Having the right tools to do the job improves productivity. Trackmobile serves many different industries receiving materials through rail service, with each industry representing unique challenges in their daily operations. To meet these demands, we offer a wide variety of options to customize your Trackmobile to your specific needs.

Popular Options:

- Ad-Trac™ Patent Pending Automatic Third Rail Axle
- Radio Remote Control System with Train Air Indicator
- MAX-Tran Automatic Weight Transfer System
- MAX-Trac Automatic Traction Control System
- GCS- Ground Control System for ground crew safety
- Train Air Charge Indicator
- Cab Extensions
- Extended Coupler Beam
- Rail Line-of-Sight Cameras
- Spark Arrestor
- Vigilance Control
- Air Conditioning
- Flange Lubricators
- Rotary Broom
- Ballast Box
- Cab Pressurization

Cab Extension



Roof Mounted Spotlight



Rotary Broom



Train Air Charge Indicator