



TRACKMOBILE®

MOBILE RAILCAR MOVERS

ATLAS

Specifications

Leading Railcar Mobility Since 1948

Tractive Effort

Double Coupled*	60,225 lbs. [27,318 kg]
Single Coupled*	44,000 lbs. [19,958 kg]

Dimensions / Performance

	On Rail	On Road
Wheel Base	157.4" [3,997 mm]	89.2" [2,265 mm]
Rail & Road Clearance	3.75" [95.25 mm]	11.8" [300 mm]
Rail & Road Height **	150.25" [3,816 mm]	162.6" [4,131 mm]
Length	220" [5,588 mm]	
Width	123" [3,124 mm]	
Weight	83,500 lbs. [37,875 kg]	
Rail Gauge	AAR Standard 56.5" [1,435 mm]	
Centerline to Cab Side	61.25" [1,556 mm]	
Centerline to Non-Cab Side	60.5" [1,537 mm]	
Cab Interior Volume	199 cu. ft.	

Road Turning Radius

Inside Tire	17' 10" [5.3 m] ³
Outside Tire	25' 7" [7.6 m] ³
Outside Clearance	29' 7" [8.5 m] ³

Speeds (Forward & Reverse)***

Low	2.0 MPH, [3.2 km/h]	1.0 MPH, [1.6 km/h]
2nd Gear	3.9 MPH, [6.3 km/h]	1.9 MPH, [3.1 km/h]
3rd Gear	7.8 MPH, [12.6 km/h]	3.8 MPH, [6.1 km/h]
4th Gear	15.0 MPH, [24.1 km/h]	7.2 MPH, [11.6 km/h]

Engine

Cummins Electronic Turbo-Charged Diesel Engine	QSL9
Meets EPA Tier IV Final and EU Stage IV Emissions Configuration	STANDARD
Valves per Cylinder	6 Cylinder inline
Engine Displacement Tier IV	4
Horsepower Tier IV	543 In ³ [8.9 liters]
Maximum Torque Tier IV	350 hp [261 kW] @ 2100 rpm
	1,050 ft [1,424 N-m] @ 1500 rpm

Fuel Tank - High Strength steel fuel tank with Eighty (80) Gallons (303 liters) capacity with lockable cover

Air Intake

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

Powertrain

Transmission - Funk, DF 250 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 locking differential
Optional AAR or UIC Couplers and Gauges - 1,524, 1,600, or 1676 mm

Steering

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

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)

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.

Note³ Actual inuse performance ratings pending.

* Actual tractive effort may vary with rail, work environment, grade, curves, weather and other factors.

** 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 two 8" [203 mm] thick wheel well plates and 4" [101.6 mm] base plates

Pivoting Frame - Heavy Duty 6" [152.4 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 2.5" [63.6 mm] pre-formed steel deck plates and 1.25" [21.75 mm] side plate structural forms

Suspension for air-ride cab suspension

Four (4) Firestone airbags and cab air-ride shock absorbers between body frame and suspended cab with height adjustments

Couplers

Two heavy duty cast steel weight transfer design positive coupling and uncoupling with AAR contour coupler and locking knuckle and graphite wear pads

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 - Hydraulic transmission mounted, self contained, spring activated wet disc park brake

Selectable Neutral Braking - Automatically applies brake to full pressure within 5 seconds of selection

Train Air Brakes - glad hand connections

100 CFM Rotary Screw Compressor System
In-Cab Train Air Valves

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

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
Machine Parking Brake - Hydraulic transmission mounted, self-contained, spring activated

HVAC

35,000 BTU with 550 CFM automotive quality HVAC for heating, air conditioning, defogging and defrosting in extreme weather conditions

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), 20 Radial Ply 12.00 x 20 Heavy Duty Mine Service Rubber
Foam Filled, puncture resistant Tires

On Rail

Four (4), 33" [838.2 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

ATLAS

ATLAS STANDARD FEATURES:

- CAN-Bus Control System with On Board Diagnostics
- UltraView 7" Color Touch Screen Display
- Safe-T-Vue™ Patent Pending 360° Visibility and Railing Camera
- Ergonomic Cab Design with Inset Windows and Door Seals
- MAX-Tran Automatic Weight Transfer System
- MAX-Trac Automatic Traction Control System
- 35,000 BTU with 550 CFM Air Conditioner
- 100 CFM Rotary Screw Compressor
- Oscillating Frame for equalized wheel loading
- Train Air Charge Indicator
- In-Cab Train Air Valves, Front and Rear
- Incremental Train Air Brake Controller
- Train Air Hold Button
- Telematics Remote Monitoring & Diagnostic Capabilities
- GPS Positioning Capabilities
- Impact Sensor/Recorder
- LED Head lights, Strobes, and Work Lights
- Lighted Grated Steps
- Fire Extinguisher, 5 Pounds
- Air Ride, High Back 180° Swivel Seat
- Joystick and Armrest Controls
- Neutral Braking with Programmed Throttle Control
- Automatic / Manual Power-Shift Transmission
- Under Cab Air Suspension
- Wide Coupler Table
- Coupler Rollers with Graphite Pads
- Underhood Engine Work Light
- Accessible External Disc Brakes



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:

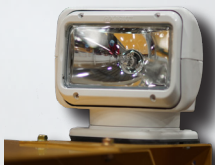
- AD-Trac™ Traction Package (Available fall 2018)
- Remote Control System with Train Air Indicator
- GCS - Ground Control System for Ground Crew Safety
- Spotlight with 360° Rotation
- Extended Coupler Beam
- Rail Line-of-Sight Cameras
- Spark Arrestor
- Vigilance Control
- Flange Lubricators
- Rotary Broom
- Ballast Box
- Cab Pressurization



GCS - Ground Control System



Remote Control System



Roof Mounted Spotlight



Rotary Broom



Flange Lubricators