# TRACKMOBILE®
MOBILE RAILCAR MOVERS

# ATLAS
## Specifications

*Leading Railcar Mobility Since 1948*

**Tractive Effort**

| | |
|---|---|
| **Double Coupled*** | 60,350 lbs. [27,374 kg] |
| **Single Coupled*** | 44,015 lbs. [19,965 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** | 126" [3,200 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** | 18' 4" [5.6 m][3] |
| **Outside Tire** | 26' 2" [8 m][3] |
| **Outside Clearance** | 28' 8 [8.8 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 | **STANDARD** |
| Configuration | 6 Cylinder inline |
| Valves per Cylinder | 4 |
| Engine Displacement Tier IV | 543 In$^3$ [8.9 liters] |
| Horsepower Tier IV | 350 hp [261 kW] @ 2100 rpm |
| Maximum Torque Tier IV | 990 lb/ft [1342 N-m] @ 1900 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 start[1]
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)

**Main Frame**

Heavy Duty -High Strength welded steel with two 8" [ 203 mm] thick ballast plates and 4" [101.6 mm] structural plates

**Pivoting Frame** - Heavy Duty 6" [152.4 mm] thick split pivoting main-frame with 8" [203mm] mounting plate with 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 fully suspended cab leveling adjustment capability

**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 Braking[2]- Hydraulic disc brakes with Dual Calipers
On-Rail Machine Braking[2] - 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** - gladhand connections
100 CFM Rotary Screw Compressor System
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 Braking[2] - Hydraulic disc brakes, Dual Calipers
On-Rail Machine Braking[2] - 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 condtions

**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 resistantTires

**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

Note[1] ***Not to be used in conjunction with Ether starting fluid.***

Note[2] ***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.***

Note[3] **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.**

# ATLAS

## ATLAS STANDARD FEATURES:


- CAN-Bus Control System with On Board Diagnostics
- UltraView 7" Color Touch Screen Display
- Safe-T-Vue™ Patent Pending 360° Visibilty 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 & Diagnostics
- GPS Positioning Capabilities
- Impact Sensor/Recorder
- LED Headlights, 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
- Low Friction Couplers with Rollers and Graphite Pads
- Underhood Engine Work Light
- Accessible External Disc Brakes
- Recessed Rail Alignment View Port with Latched Door

## 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 Charge 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**



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