TRACKMOBILE®
MOBILE RAILCAR MOVERS

HERCULES
WIDE CAB Specifications

Leading Railcar Mobility Since 1948

Maximum Tractive Effort

Double Coupled*	44,877 - 46,246 lbs. [20,360 - 20,976 kg]
Single Coupled*	28,552 - 29,911 lbs. [12,951 - 13,567 kg]

Dimensions / Performance

	On Rail	On Road
Wheel Base	127" [3,226 mm]	65.4" [1,661 mm]
Rail & Road Clearance	3.5" [89 mm]	4.4" [111mm]
Rail & Road Height **	136" [3,459 mm]	145" [3,683 mm]
Length	170" [4,318 mm]	
Width***	96" [2,438 mm]	
Non-Bal /Ballasted Wt.	37,022 - 41,140 lbs. [16,793 - 18,661 kg]	
Rail Gauge **	**AAR Standard** 56.5" [1,435 mm]	
Centerline to Cab Side	48.56" [1,233mm]	
Centerline to Off-Cab Side	46.56 [1,182.6 mm]	
Cab Interior Volume	248 cu. ft. (G091584)	

Road Turning Radius

Inside Tire	16' [4.9 m]
Outside Tire	23' 6" [8.1 m]
Outside Clearance	27' [8.2 m]

Speeds (Forward & Reverse)***

Low	2.4 MPH, [3.9 km/h]	1.5MPH, [2.4 km/h]
2nd Gear	4.0 MPH, [6.4 km/h]	2.5MPH, [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 Turbocharged Diesel Engine	QSB-6.7 Liter
Meets EPA Tier III EU Stage III A Emissions	**STANDARD**
Meets EPA Tier IV EU Final Stage Emissions	**OPTIONAL**
Configuration	6 Cylinder inline
Valves per Cylinder	4
Engine Displacement Tier III	408 In^3 [6.7 liters]
Horsepower Tier III	160 BHP [123kW] @ 2500 rpm
Maximum Torque Tier III	539 LB-FT [731 N-m] @ 1500 rpm

Fuel Tank - High-strength steel fuel tank that has a Thirty Eight (38 Gallon) [144 liter] capacity with lockable fuel tank cover

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 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

On-Rail - Ring-Style Rail Wheels 27" (686 mm) heat-treated cast steel

Differential - Two (2) Rigid, outboard planetary air actuated, auto-control differential locking

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

Steering

On Road - front axle power steering w/pivot away steering wheel

Automatic Shutdown

Automatic shutdown as a result of: High Engine Temperature; Low Engine Oil Pressure; 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 with Dual Calipers
On-Rail Machine Braking[2] - Hydraulic disc brakes,18" [457 mm] diameter
Machine Parking Brake - Spring applied, air released 14" [355.6mm] 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 air compressor	**STANDARD**
56 CFM Engine Driven dual piston air compressor	**OPTIONAL**
In-Cab Train Air Valves	

Pneumatic System

Air dryer for machine air pressure system, heated with internal thermostatically controlled 12 volt heater

Air Intake

Intake Air Heater - preheats incoming combustion air prior to start[1]
3 - Stage Filtration, High- Efficiency Pre-Cleaner, with Primary and Safety Filter

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

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), 16 Ply 9.00 x 20 Heavy Duty Mine Service Rubber Tires

On Rail

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

Main Frame

Heavy Duty -High Strength 2" [51.0 mm] thick welded steel Main Frame with (2) 3" [76.2 mm] thick cross-members, one front and one rear

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), eight (8) Lord rubber mounts between body and main frame

Couplers

Two heavy duty cast steel weight transfer design positive coupling and uncoupling with AAR contour coupler and locking knuckle
Standard width beam handles most standard curve radaii

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.***

TIER IV ENGINES ADD APPROXIMATELY 2" ADDITIONAL HEIGHT DUE TO HEIGHT OF EXHAUST STACK ON NEW EXHAUST SYSTEM.

*** Depending on weight package and Step/Cab options selected, 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. Dimensions based on a Hercules Full Width Cab (Metro Cab Group - G091583 with Steps Group - G089104). Machine height will INCREASE if the taller cab group (G091584) is chosen and machine width will INCREASE if either of the other two step groups (G090405 or G091642) are chosen.**

***** Actual speeds obtained will depend on grade, load, track conditions, altitude, and other factors.**

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

HERCULES WIDE CAB

STANDARD FEATURES:

Only a 96" width! Great for narrow locations!

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

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:

- Tier IV Final and EURO Stage IV Emissions
- 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
- 56 CFM Engine Driven Compressor
- Extended Coupler Beam
- Rail Line-of-Sight Cameras
- Spark Arrester
- Vigilance Control
- Air Conditioning
- Weather Packages - Available for both Hot and Cold
- Flange Lubricators
- Rotary Broom
- Ballast Box
- Cab Pressurization
- Short Metro Cab (6" additional clearance)
- Step Options (Up to 5" additional clearance)

Radio Remote Control

Ground Control System

Roof Mounted Spotlight

Cab Pressurization

Train Air Charge Indicator

A Marmon/Berkshire Hathaway Company