

4350 TM

MAGNUM SERIES



- UP TO 43,520 LBS (19,740 kg) OF TRACTIVE EFFORT
- 152 HP CUMMINS TURBOCHARGED, 6 CYLINDER, 4 CYCLE, DIESEL ENGINE
- TWO HEAVY DUTY TRACKMOBILE WEIGHT TRANSFER COUPLERS
- MAX-TRAN SYSTEM AVAILABLE AS OPTIONAL EQUIPMENT
- FULLY ENCLOSED CAB WITH INTERIOR SOUND LEVEL UNDER 81 dBA, DUAL RAIL OPERATION CONTROLS, CUSHIONED BODY FRAME AND CAB.
- 53 CFM AIR BRAKE SYSTEM AS STANDARD EQUIPMENT
- 4 SPEED TRANSMISSION WITH SHIFT PROTECTION

TRACKMOBILE®
MOBILE RAILCAR MOVERS



TRACKMOBILE® MAGNUM SERIES

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SPECIFICATIONS

MAXIMUM TRACTIVE EFFORT:

- 43,520 lbs. [19,740 kg] double coupled
- 27,840 lbs. [12,628 kg] single coupled

DRIVE TRAIN CONFIGURATION:

Power transmitted through torque converter, transmission, and transfer case to No-Spin differential and planetary axle assemblies

- **Engine:** Cummins Series B5.9-C152 turbocharged diesel engine, 6 cylinder, 4 cycle, 152 HP [113 kW]
- **Transmission & Torque Converter:** Constant mesh spur gearing - 4 speed, electronically controlled forward and reverse for both road and rail operation, with flex plate torque converter drive • Shift protection (downshift and fwd./rev.) • Gear and diagnostic LCD indicator
- **Transfer Case:** Heavy duty hardened alloy steel spur gears • Oil bath lubrication
- **Drive Lines:** Heavy duty drive line
- **Rail Drive Axles:** Heavy duty Planetary Axles with No-Spin differential, front and rear
- **Roadwheel Drive:** Interlocking lug drive from rail axle drive hubs to tire tread • Automatically disengages while in rail operation • Road clearance is 6 1/2" [165 mm] at railwheel flange

FRAME:

Heavy-duty, all welded steel plate construction • 2" [51 mm] thick slab frame side members

BRAKES:

- **Rail:** Air over hydraulic actuated, 18" [457.2 mm] diameter disc on all 4 railwheels
- **Train Brakes:** 53 CFM [1500 liters/min] System (16 cfm engine driven and 37 cfm hydraulic driven compressors) • Two AAR glad hand connections at front and rear
- **Road Wheel:** Drum and shoe arrangement
- **Parking:** Mechanical drum and shoe arrangement

RAILWHEELS:

27" [685.8 mm] diameter heat treated cast steel • Tapered tread contour to Association of American Railroad (AAR) specification

ROADWHEELS:

Rock service 16 ply 9.00x20 foam filled tires, hydraulically operated to extend and drive on road or retract for rail operation, electrically controlled • Equipped with roadwheel position indicator

RAIL GAUGE:

Standard gauge: 56 1/2" [1435 mm] • Other gauges available. Contact factory

ELECTRICAL SYSTEM:

12 Volt DC, 130 Amp Alternator, 600 CCA Dual Batteries

EXHAUST SYSTEM:

Spark Arresting Muffler

AIR INTAKE SYSTEM:

2 Stage, Heavy Duty Air Cleaner

POWER STEERING:

Hydrostatic steering system

HYDRAULIC SYSTEM:

Constant pressure hydraulic system, with piston pump • Centrally located electrically controlled cartridge monoblock valve • Equipped with diagnostic pressure gauge • Parker hoses with "O" ring face seal

COUPLERS:

Two heavy-duty cast steel, TRACKMOBILE-pioneered weight transfer design • Positive coupling and uncoupling with AAR contour coupler and locking knuckle • Air operated knuckle release from cab operator position

SANDERS:

Air operated, eight sanders, two for each railwheel, front and rear

LIGHTS:

Forward and rear tail/stop lights • Halogen front and rear lights for night operation, either on road or rail • Track mounting light for placing unit on rail

OPERATOR CAB:

Totally enclosed 360 degree visibility • Interior sound level under 81dBA • Easily accessible controls • Two electric windshield wipers • Rearview mirror for road operation • Dual foot controls for rail operation • One door on each end for convenient access • Cab heater and defroster fan • Isolation mounts for body frame and cab • Full instrumentation including engine tachometer

WARNING SIGNAL:

Blast type air horn, automatic backup alarm for road operation

OPTIONS:

Air Bell • Cab Extension • 5# Fire Extinguisher • Engine Block Heater • Ether Start • Strobe Light • Turn Signals • Cab Air Conditioning • Centralized Lubrication • Protecto Seal Fuel Cap • High Capacity Batteries • Transmission & Hydraulic Oil Heaters • Spotlight • SnowPlow "V" • Track Mirrors/Cab Side • Track Mirrors/Off Side • Heavy Duty Air Intake Pre-Cleaner • MAX-TRAC Wheel Slip Control • MAX-TRAN Auto Weight Transfer System • Radio Control

4350TM DIMENSIONS

	On Rail AAR Clearance Pattern Maintained		On Road	
Wheel Base	121.0"	3073 mm	59.0"	1499 mm
Length	154.0"	3918 mm	154.0"	3918 mm
Width	122.5"	3111 mm	122.5"	3111 mm
Height	139.0"	3480 mm	147.0"	3734 mm
Weight	36,870 lbs. [16,723 kg]			

4350TM TABLE OF PERFORMANCE

Maximum Speed * (Both Directions)	On Rail	On Road
Low	2.4 MPH [3.9 km/h]	1.5 MPH [2.4 km/h]
2nd Range	4.0 MPH [6.4 km/h]	2.5 MPH [4.0 km/h]
3rd Range	8.0 MPH [12.9 km/h]	5.1 MPH [8.2 km/h]
4th Range	13.6 MPH [21.9 km/h]	8.7 MPH [14.0 km/h]

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



A member of The Marmon Group of companies

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