

4750 TM  
4850 TM

# MAGNUM SERIES



- UP TO 48,500 LBS (22,000 kg) OF TRACTIVE EFFORT
- 200 HP [149 kw] CUMMINS TURBOCHARGED, 6 CYLINDER, 4 CYCLE, DIESEL ENGINE
- TWO HEAVY DUTY TRACKMOBILE WEIGHT TRANSFER COUPLERS
- MAX-TRAN® & MAX-TRAC SYSTEMS AVAILABLE
- FULLY ENCLOSED CAB WITH INTERIOR SOUND LEVEL LESS THAN 80 dBA, DUAL RAIL OPERATION CONTROLS, CUSHIONED BODY FRAME AND CAB
- 53 CFM RAIL CAR AIR BRAKE SYSTEM AS STANDARD EQUIPMENT
- 4 SPEED TRANSMISSION WITH AUTO-MAG

**TRACKMOBILE®**  
**MOBILE RAILCAR MOVERS**





- FULL WIDTH CAB
- HYDRAULIC TANK FLUID LEVEL GAUGE
- SUSPENDED BODYFRAME MOUNTS
- MERITOR BRAKES WITH LARGE CALIPERS & DISCS
- MERITOR RAIL AXLES
- REAR CROSSOVER PLATFORM
- 60 GALLON [227 liter] FUEL TANK
- DUCTED CAB AIR DISTRIBUTION SYSTEM
- HIGH CAPACITY HYDRAULIC COOLING
- MAGNUM SERIES PARTS COMPATIBILITY
- TILT CAB FOR MAXIMUM SERVICE ACCESS

MAXIMUM TRACTIVE EFFORT

4750TM		4850TM	
47,850 lbs [21,704 kg]	DOUBLE COUPLED	48,500 lbs [22,000 kg]	
31,850 lbs [14,447 kg]	SINGLE COUPLED	32,500 lbs [14,742 kg]	

4750TM

STANDARD

OPTIONAL

4850TM

STANDARD

STANDARD

**AUTO-MAG**

- INCREASED EFFICIENCY & PRODUCTIVITY
- REDUCED OPERATOR FATIGUE
- INCREASED OPERATOR EFFECTIVENESS
- INCREASED POWER TRAIN COMPONENT LIFE
- SMOOTH POWER MANAGEMENT FOR VARYING LOAD AND TRACK CONDITIONS WITHOUT OPERATOR INTERVENTION



**MAX-TRAC**

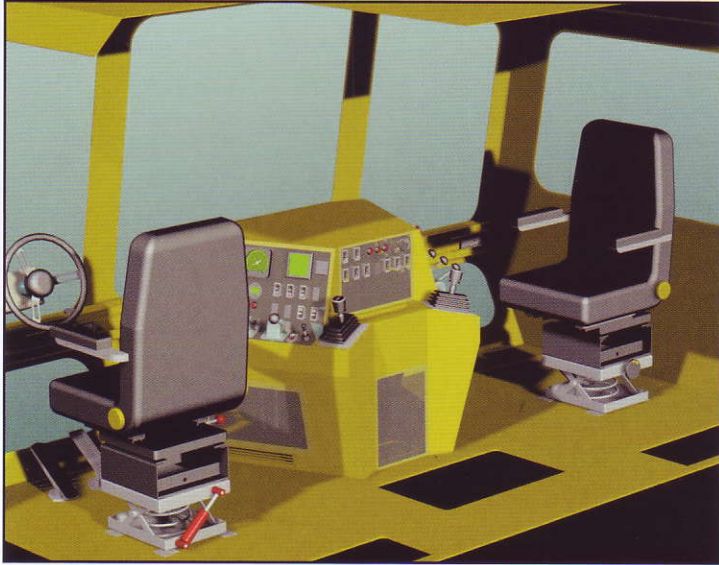
- INCREASED EFFICIENCY & PRODUCTIVITY
- ENHANCED TRACTION
- REDUCED WHEEL SLIPPAGE
- EXTENDED RAILWHEEL AND POWERTRAIN LIFE
- IMPROVED BRAKING CHARACTERISTICS
- LESS RAIL WEAR



TRACKMOBILE®

# 4750TM 4850TM

# features



350 cubic feet [10 meters<sup>3</sup>] of cab space.



Less than 80dBA sound level in cab.



Dual operating positions.



Hydraulically operated tilt cab.

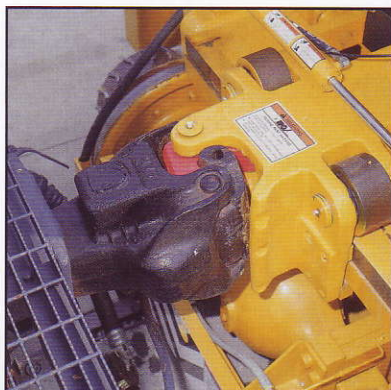
## OPTIONAL STANDARD

## OPTIONAL OPTIONAL

### MAX-TRAN®



- AUTOMATICALLY MANAGES WEIGHT TRANSFER
- MAXIMUM ATTAINABLE TRACTIVE EFFORT WITH LOADED AND EMPTY RAILCARS
- ELIMINATES OPERATOR GUESSWORK - MAXIMIZES PRODUCTIVITY
- RELIABLE MICROPROCESSOR WITH SELF-DIAGNOSTIC CIRCUITS



### RADIO CONTROL RADIO CONTROL

- INCREASED OPERATOR FLEXIBILITY AND COST EFFECTIVENESS
- STAND-OFF OPERATION DISTANT FROM HAZARDS
- MAXIMUM EFFICIENCY AND CONVENIENCE WHEN COMBINED WITH MAX-TRAC AND MAX-TRAN®
- DESIGNED SPECIFICALLY FOR AND INTEGRATED INTO TRACKMOBILE® PRODUCTS



# TRACKMOBILE® MAGNUM SERIES

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## SPECIFICATIONS

### MAXIMUM TRACTIVE EFFORT

4750TM		4850TM	
47,850 lbs [21,704 kg]	DOUBLE COUPLED	48,500 lbs [22,000 kg]	
31,850 lbs [14,447 kg]	SINGLE COUPLED	32,500 lbs [14,742 kg]	
48,000 lbs [21,772 kg]	VEHICLE WEIGHT	50,000 lbs [22,680 kg]	

### DRIVE TRAIN CONFIGURATION:

Power transmitted through torque converter and transmission to locking differentials and planetary axle assemblies.

- **Engine:** Cummins Series B5.9-C200 turbocharged diesel engine, 6 cylinder, 4 cycle, 200 HP [149 kW].
- **Transmission & Torque Converter:** Constant mesh spur gearing, electrically controlled forward and reverse, fully automatic range selection in rail operation. Flex plate torque converter drive. Shift protection (downshift and fwd./rev.). Range, direction and diagnostic LCD indicator.
- **Drive Lines:** Heavy duty drive line.
- **Rail Drive Axles:** Heavy duty planetary axles with mechanical locking differentials, 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 9.0" [229 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). One AAR glad hand connection at front and rear.
- **Road Wheel:** Drum and shoe arrangement.
- **Parking:** Mechanical disc/caliper arrangement.

### RAILWHEELS:

27" [685.8 mm] diameter heat treated cast steel. Contour to Association of American Railroad (AAR) specification.

### ROADWHEELS:

Rock service 20 ply 12.00x20 tube type tires, hydraulically operated to extend and drive on road or retract for rail operation, electrically controlled.

### RAIL GAUGE:

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

### ELECTRICAL SYSTEM:

12 Volt DC, 130 Amp Alternator, 950 CCA Dual Batteries.

### EXHAUST SYSTEM:

Spark Arresting Muffler.

### AIR INTAKE SYSTEM:

Heavy Duty Air Cleaner with intake pre-cleaner.

### POWER STEERING:

Hydraulic 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 lights for placing unit on rail. Coupler lights for night operation.

### OPERATOR CAB:

Totally enclosed 360 degree visibility. Interior sound level less than 80 dBA. Dual operating controls mounted on a center console. Four electric windshield wipers. Rearview mirror for road operation. Two doors at rear of cab. Cab heater and defroster fans ducted for efficient air distribution. Isolation mounts for body frame and cab. Full instrumentation including speedometer and engine tachometer. Hydraulically controlled tilt cab.

### WARNING SIGNAL:

Blast type air horn, automatic backup alarm for road operation.

### OPTIONS:

Air Bell, Cab Extension, 5# Fire Extinguisher, Engine Block Heater, Strobe Light, Turn Signals, Cab Air Conditioning connected to ducts, 65 CFM Hydraulic Compressor, Protecto Seal Fuel Cap, Spotlight, "V" Type Snow Plow, Track Mirrors/Cab Side, Track Mirrors/Off Side, MAX-TRAC wheel slip control, and MAX-TRAN® auto weight transfer system. Cold weather aids.

\*MAX-TRAC & MAX-TRAN® are standard equipment on 4850TM.

### 4750 / 4850TM DIMENSIONS

	On Rail AAR Clearance Pattern Maintained		On Road	
Wheel Base	137.3"	3486 mm	72.5"	1842 mm
Length	173.7"	4412 mm	173.7"	4412 mm
Width	122.5"	3112 mm	122.5"	3112 mm
Height	142.5"	3620 mm	154.5"	3924 mm

### 4750 / 4850TM TABLE OF PERFORMANCE

Maximum Speed * (Both Directions)	On Rail	On Road
Low	2.0 MPH [ 3.2 km/h]	1.0 MPH [ 1.6 km/h]
2nd Range	4.0 MPH [ 6.4 km/h]	2.0 MPH [ 3.2 km/h]
3rd Range	8.0 MPH [12.9 km/h]	4.0 MPH [ 6.4 km/h]
4th Range	14.0 MPH [22.5 km/h]	8.0 MPH [12.9 km/h]

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



A member of The Marmon Group of companies

# TRACKMOBILE®, INC.

1602 Executive Drive  
LaGrange, Georgia 30240 USA  
(706) 884-6651 FAX (706) 884-0390  
E-Mail: trackmobile@mindspring.com  
www.trackmobile.com