

4300TM



TRACKMOBILE®
MOBILE RAILCAR MOVERS



4300™

- MAX-TRAN AS STANDARD EQUIPMENT
- CUSHION BODY CAB AND FRAME
- ERGONOMICALLY DESIGNED CAB, COCKPIT AND CONTROLS
- INCLINED STEPS AND CROSS OVER PLATFORM
- FOAM FILLED TIRES AS STANDARD EQUIPMENT
- UP TO 43,000LBS. (19,505 Kg) OF TRACTIVE EFFORT

Maximum Tractive Effort*:

43,000 lbs. (19,505 Kg) when both couplers are used. 28,000 lbs. (12,700 Kg) when one coupler is used.

*Actual Tractive Effort obtained varies with rail conditions, sanding and weight transfer.

Frame:

Heavy-duty, all welded from preformed steel plate and structural shapes.

Engine:

Detroit diesel turbocharged engine, model 4-53T, 4 cylinder, 2 cycle. Automatic engine shutdown as standard equipment.

Torque Converter:

2.56 to 1 torque multiplication ratio.

Transmission & Drop Case:

Constant mesh spur gearing, 4-speed, electronically controlled forward and reverse for both road and rail operation.

Rail Wheel Gear Case:

Heavy-duty hardened alloy steel spur gears. Oil bath lubrication.

Brakes:

Rail Air over hydraulic power actuated, 18" (457.2 mm) diameter disc on all 4 railwheels.

Train Braking 32 CFM train air braking system.

Road Wheel Drum and shoe arrangement.

Parking Mechanical drum and shoe arrangement.

Rail Wheels:

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

Road Wheels:

Rock service, 14 ply 9.00 x 20 foam-filled tires, heavy-duty suspension, hydraulically operated to extend and drive on road or retract for rail operation, electronically controlled.

Rail Drive:

Through torque converter, transmission, and transfer gear case, to no-spin differential and planetary axle assemblies.

Road Drive:

Interlocking lug drive from rail axle drive hubs to tire tread. Automatically disengages while in rail operation.

Power Steering:

Hydraulically powered, truck-type linkage and spindles.

Hydraulic System:

Constant pressure system with engine running for maximum traction, braking ability, and to prevent roadwheels settling. Finger-tip controls through electric solenoid operated control valve, for all hydraulic function.

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 for easy coupling and uncoupling. (Traversing and weight transfer controlled through joystick.)

Sanders:

Air operated. Eight sanders, two for each railwheel, front and back.

Lights:

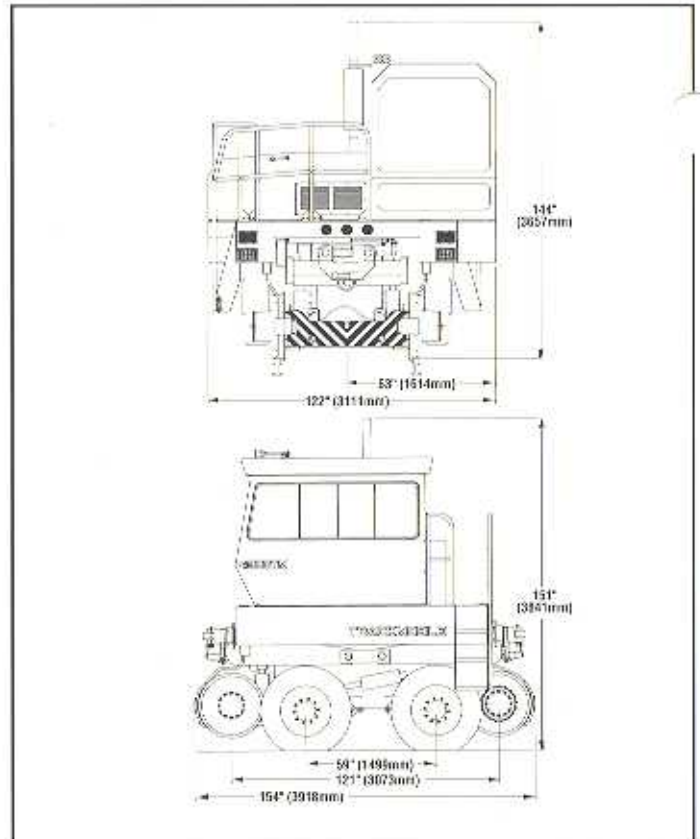
Forward and rear tail/stop lights. Halogen front and rear lights for night operation, either on road or rail. Track mounting light for placing unit on rail at night.

Panoramic, Ergonomically Designed Cab, Cockpit and Controls:

Dual direction for rail operation with two individually adjustable suspension seats. Large access, isolation mounts, cab sound proofing and two defroster fans.

Warning Signal:

Blast type air horn, automatic back-up alarm for road operation.



DIMENSIONS

	On Rail AAR Clearance Pattern Maintained		On Road	
Wheel Base	121"	3073mm	59"	1499mm
Length	154"	3918mm	154"	3918mm
Width	122"	3111mm	122"	3111mm
Height	144"	3657mm	151"	3841mm

TABLE OF PERFORMANCE

Maximum Speed* (Both Directions)	On Rail		On Road	
Low	2.4 MPH	3.9 Km/H	1.3 MPH	2.1 Km/H
2nd Range	5.0 MPH	8.0 Km/H	3.2 MPH	5.1 Km/H
3rd Range	8.5 MPH	13.7 Km/H	5.4 MPH	8.7 Km/H
4th Range	14.8 MPH	23.8 Km/H	9.3 MPH	15.3 Km/H

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

Optional Equipment:

Air Bell, Cab Extension, Fire Extinguisher, Outside Mirror, 100 AMP Alternator, Engine Block Heater, Ether Start, Strobe Light, Turn Signals, Cab Air Conditioning, Centralized Lubrication, Protecto Seal Fuel Cap, Spotlight, Snow Plow "V", Grease Gun.

Road Clearance:

6.5" (165 mm) at railwheel flange.

Weight:

37,500 lbs. (17,010 Kg)

The descriptions herein are for the purpose of identifying the type of equipment, and do not limit or extend the express warranty provision in any contract of sale.

TRACKMOBILE®, INC.

1602 Executive Drive

LaGrange, Georgia 30240 USA

(706) 884-6651

Telex: 510-100-1554 FAX: (706) 884-0390



A member of The Marmon Group of companies