

TRACKMOBILE[®]

4200TM SPECIFICATIONS



- UP TO 42,000 LBS. (19,060 KG) OF TRACTIVE EFFORT
- TURBO CHARGED DIESEL ENGINE
- 32 CFM RAILCAR AIR BRAKE SYSTEM AND AIR DRYER AS STANDARD EQUIPMENT

- 4-SPEED ELECTRONICALLY CONTROLLED POWER SHIFT TRANSMISSION
- HEAVY DUTY COOLING SYSTEM
- TWO HEAVY DUTY TRACKMOBILE WEIGHT TRANSFER COUPLERS



4200™ SPECIFICATIONS

Maximum Tractive Effort*:

42,000 lbs. (19,060 Kg) when both couplers are used. 26,730 lbs. (12,130 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.

Torque Converter:

2.73 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.

Roadwheel 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) specifications.

Road Wheels:

Road service, 14 ply 9.00 x 20 tube type 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:

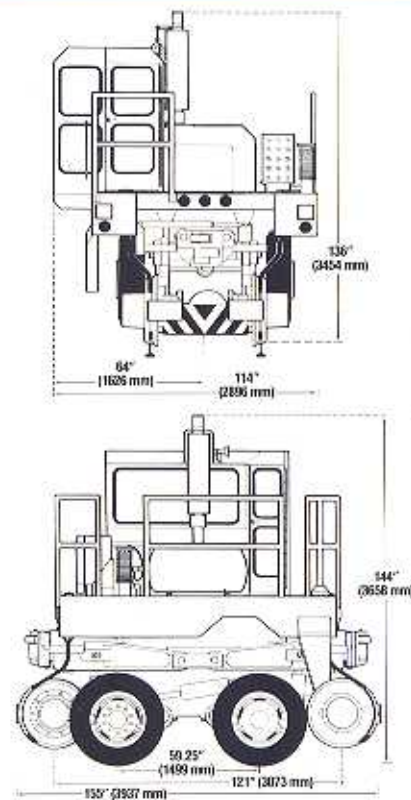
Forward and rear tail/stop lights. Halogen front and rear lights for night operation, either on road or rail. Track mounting light for placing unit on rail at night.

Operator Cab:

Driver conditioned, totally enclosed, 360 degree visibility. Easily accessible controls. Two electric windshield wipers. Rearview mirror for road operation. Dual controls for rail operation. One door on each end for convenient access. Sound proofing, cab heater and defroster fan. Full instrumentation including engine tachometer.

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"	3073 mm	59"	1499 mm
Length	155"	3937 mm	155"	3937 mm
Width	114"	2896 mm	114"	2896 mm
Height	136"	3454 mm	144"	3658 mm

TABLE OF PERFORMANCE

Maximum Speed* (Both Directions)	On Rail		On Road	
Low	2 MPH	3.2 Km/H	1.1 MPH	1.8 Km/H
2nd Range	3.6 MPH	5.8 Km/H	2.3 MPH	3.7 Km/H
3rd Range	6.3 MPH	10.2 Km/H	4 MPH	6.4 Km/H
4th Range	11.3 MPH	18 Km/H	7.1 MPH	11.4 Km/H

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

Optional Equipment:

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

Road Clearance:

6½" (165 mm) at railwheel flange.

Weight:

35,000 lbs. (15,880 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



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