

# EXEMPLAR 4600™



**TRACKMOBILE®**  
MOBILE RAILCAR MOVERS



# 4600TM EXEMPLAR

- MAX-TRAN AS STANDARD EQUIPMENT
- CATERPILLAR 3116TA DIESEL ENGINE, 195 FLYWHEEL HP
- 50 CFM RAILCAR AIR BRAKE SYSTEM, AS STANDARD
- CUSHION BODY FRAME WITH CROSSOVER PLATFORM
- ERGONOMICALLY DESIGNED CAB, COCKPIT AND CONTROLS
- UP TO 46000 LBS ( 20,865 KG ) OF TRACTIVE EFFORT

#### Maximum Tractive Effort\*:

46,000 lbs. (20,865 Kg) when both couplers are used. 31,000 lbs. (14,061 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:

Caterpillar 3116TA, six cylinder turbocharged and aftercooled diesel engine. 195 flywheel horsepower.

#### Torque Converter and Transmission:

2.13 :1 torque multiplication ratio, proven in heavy construction equipment. Clark 32000 series, four speeds forward and reverse, electronically controlled transmission.

#### Brakes:

**Rail** Sealed wet disk.

**Train Brake System** 50 cfm compressor.

**Road Wheel** Four wheel drum and shoe.

**Parking** Disk on transmission output shaft.

#### Rail Wheels:

30" (762 mm) diameter, heat treated cast steel. Tapered tread contour to Association of American Railroad (AAR) specification.

#### Road Wheels:

12.00 x 20, 16 ply mine service tires on heavy-duty retractable suspension.

#### Rail Drive:

Through torque converter, transmission, and transfer case, to no-spin differentials 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, construction equipment type linkage and spindles.

#### Hydraulic System:

Constant pressure system with engine running to provide maximum traction and braking ability, and to prevent settling when in road/railwheel mode. Direct-connected variable displacement, pressure-compensating, piston pump.

#### Couplers:

Two heavy-duty all steel, TRACKMOBILE pioneered weight transfer design. Positive coupling ensured to railcars with AAR contour coupler. Hydraulic remote control from cab for easy coupling. Air actuated knuckle release. Coupler center-position indicator.

#### MAX-TRAN:

Patented MAX-TRAN automatic coupler weight-transfer system as standard equipment.

#### Sanders:

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

#### Lights:

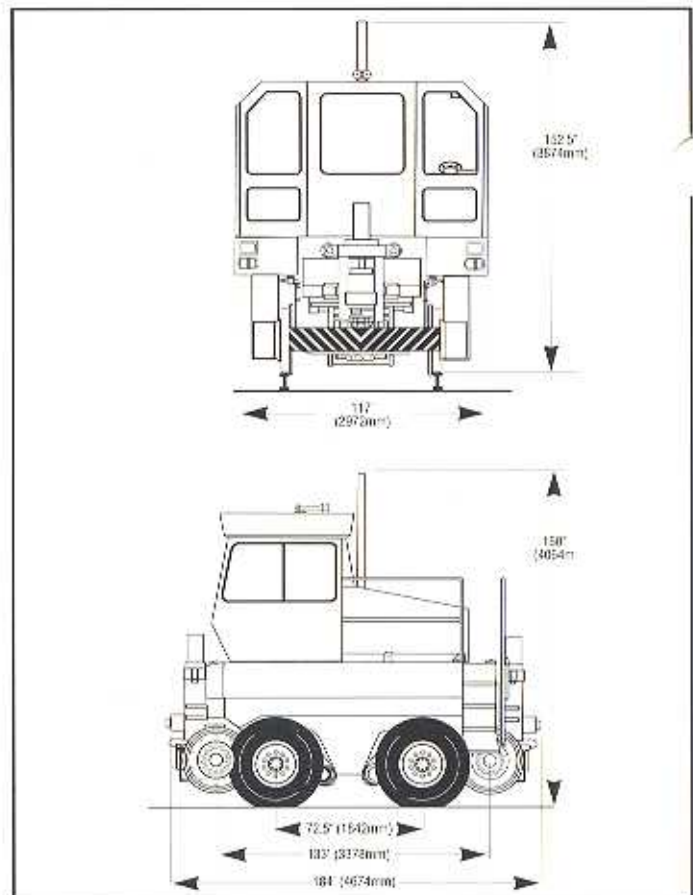
Front and rear tail/stop lights. Halogen front and rear lights for night operation, either on road or rail. Track mounting light for placing unit on rail at night.

#### Operator Cab:

Full width, panoramic-view, ergonomically designed cab, cockpit, and controls. Dual-directional for rail operation with positive-locking, computer terminal style pivoting instrument control console. Large access doors. Cab and body frame isolation mounts and cab sound conditioning. Automotive-style hot air defroster, heavy duty cab heater, 4 windshield wipers.

#### Warning Signal:

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



## DIMENSIONS

	On Rail AAR Clearance Pattern Maintained		On Road	
Wheel Base	133	3378mm	72.5'	1842mm
Overall Length	184	4674mm	184'	4674mm
Overall Width	117	2972mm	117'	2972mm
Overall Height	152.5'	3874mm	150'	4064mm

## TABLE OF PERFORMANCE

Maximum Speed* (Both Directions)	On Rail		On Road	
Low	3 MPH	4.8 KPH	1.6 MPH	2.6 KPH
2nd Range	6.2 MPH	9.9 KPH	3.5 MPH	5.6 KPH
3rd Range	10.7 MPH	17.2 KPH	5.9 MPH	9.5 KPH
4th Range	18.3 MPH	29.4 KPH	10.2 MPH	16.4 KPH

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

#### Optional Equipment:

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

#### Road Clearance:

6" (152 mm) at railwheel flange.

#### Weight:

44,500 lbs. (20,185 Kg)

(Actual weight depends upon the addition of installed optional equipment.)

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.

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