

The Rail King Rail Car Mover line features three models with tractive effort ratings ranging from 26,800 to 46,000 pounds. All the Rail King models feature our "Patented" Cushioned Coupler System commonality of parts.

**Rail King® Mobile Railcar Mover  
Model SS4650**

**DIMENSIONS SS4650**

	<u>ON RAIL</u>	<u>ON ROAD</u>
<b>CLEARANCE</b>	3" (76 MM)	10" (254MM)
<b>LENGTH</b>	177" (4,496MM)	177" (4,496MM)
<b>WIDTH</b>	120" (3,048MM)	120" (3,048MM)
<b>HEIGHT</b>	126" (3,200MM)	136" (3,454MM)

**SPEEDS**

Forward / Reverse 15 mph (24.3Km/H)      10 mph (16.2Km/H)

**WEIGHT: 42,000 LBS (19,090Kg)**

**Standard Features: Fabricated Steel Couplers (no castings, no rollers)  
Four Cycle, Six Cylinder Diesel Engine, E-40  
High Road Clearance  
Dual Controls  
Self-Adjusting In-Board Wet Disc Brakes  
50 CFPM Train Air Brakes  
Auto Engine Safety Shut-Down  
Bolt-On Rail Wheels**

**MAXIMUM TRACTIVE EFFORT:**

46,000 POUNDS when both couplers are used  
30,500 POUNDS when one coupler is used

**FRAME ASSEMBLY:**

Constructed from heavy steel plate with integral full width bumpers welded in place for maximum strength and protection of the vehicles under carriage both on and off the rail.

**ENGINE:**

Industrial, 6-cylinder, 4-cycle Turbocharged diesel, with 165 BHP @ 2,200 RPM for the most available performance with minimal noise levels and less vibration. 40 gallon fuel tank with electric gauge is standard

**AIR CLEANER:**

2-Stage with replaceable element for easy service and increase engine protection.

**TRANSMISSION:**

Industrial, power shift, 4-speeds forward, 4 speeds reverse, with clutches that are fully modulated, oil cooled, multidisc, hydraulic actuated, and self-adjusting.

**TRANSMISSION COOLER:**

Large oil cooler to prevent loss of horsepower to heat to increase performance and longer life of the transmission.

**RAIL AXLE:**

Industrial internal planetary axle with inboard multiple wet disc brakes for long life and minimal maintenance.

**RAIL WHEELS:**

28 inch heat-treated cast steel with extra hard flanges for longer life. The rail wheel mounting allows ease of removal and rotation without a hydraulic press or other special tools. Standard AAR taper.

**ROAD WHEELS:**

12-00-20 current production hard rock lug for improved traction, stability, and reasonable replacement cost.

**ROAD DRIVE:**

Friction drive from Rail Axle for positive smooth traction and performance. Does not require special tires.

**POWER STEERING:**

Hydrostatic steering through an orbital control allowing the tightest turning radius available.

**HYDRAULIC SYSTEM:**

Variable displacement pressure compensating pump minimizing heat build up and premature failure.

**Couplers (patented)**

Cushion coupler system includes two weight transfer couplers made from fabricated steel plate. The system requires no rollers and no castings. Couplers move on self lubricating, nylon bearing material.

**SANDING SYSTEM:**

Eight air operated sanders; two easy clean sand tubes for each rail wheel front and rear for the maximum tractive effort. Sand boxes are constructed from stainless steel for long life.

**LIGHTING SYSTEM:**

Front and rear adjustable halogen head lights, front and rear stop tail lights, one amber flashing light, two track lights, coupler lights.

**ELECTRICAL SYSTEM:**

Mil. Spec wiring with separate fused circuits. All wires are stamped at regular intervals and have sufficient length for relugging without splicing. All markings are legible and free of paint. A 100-amp hour alternator is standard.

**CAB ASSEMBLY:**

Dual direction cab includes dual seats, dual controls, front & rear wipers, heater, two defrost fans, and auto shutdown. A full width cab includes two swivel seats, dual controls, front & rear wipers, heater, two defrost fans, and auto shutdown. The cab floor is flush with threshold to prevent moisture retention and facilitate easy cleaning.

**Option Included:**

Automatic Transmission  
Spotlight Roof Mounted (2)  
Strobe Light  
Engine Auto Shutdown  
Full Width Cab & Dual Controls  
Strobe Light  
Stair Well Lighting  
Shop Air Package  
Cab Heater & 2 Defroster Fans