

ELECTRIC RAILCAR MOVER LOK 22.150 E



Railcar Mover Group

SUPPORTED BY:



	LOK 22.150 E
STANDARD GAUGE:	56.5" (1435 mm)
DIMENSIONS LxWxH:	275.6" x 98.4" x 142.9" (7000 x 2500 x 3630 mm)
MAX DRAWBAR PULL (Tractive Effort):	49,458 lbf. (220 kN)
MACHINE WEIGHT:	88,185 lbs. (44 US t)
MAX SPEED LOADED/UNLOADED**:	3.1 mph / 9.3 mph

**Based on dry, straight, and level track (0% grade).



A Marmon Group/Berkshire Hathaway Company

LOK 22.150 E

SPECIFICATIONS

www.zephir.eu

Standard Features

	LOK 22.150E
Battery	80V 1395Ah x 3 (40 cells - 2V per cell)
On board battery charger	80V 120A x 3
Rail & road motor	32kW x 2 - 80V - AC Brushless motors
Pneumatic tires size	14.00-24

Battery

- Centralized battery filling system with visual floaters indicating battery fluid level
- Typical battery recharging time: Approximately 8 hrs with 480V power source

On-board Transformer & Chargers

- On-board charger for each battery with UL/CSA certified plug; eliminates need for free-standing charger installations.

Rail & Road Mode Performance

- Hydraulic power steering type on front wheels / pump motor
- Suspension front and rear with semi-elliptic 4" wide leaf springs
- Front and rear heavy duty railway axle with hydraulic pump motor 3kW
- Hardened steel guide wheels (4 front; 4 rear)

Safety Devices

- Equipped with red and white directional movement signaling lights during rail mode
- Horn
- Orange beacon light
- Exterior emergency stop buttons
- Hand brake activation in case of low oil pressure in the braking system
- Emergency braking system in case of failure
- Safety system to prevent sudden direction change during operation
- Safety system to prevent unit from switching on during recharge

Train Air Brake System

- Pneumatic braking system with a 77 CFM high-output rotary screw compressor with electric motor

Lift Points

- Equipped with four RUD lifting eyes for transport. Each changes color when exposed to excessive stresses.

Machine Brakes

Road & Rail mode

- Fully proportional hydraulic powerbrake system
- Parking/Emergency brake mechanical type with negative acting antagonist spring, working on an independent disc assembled on the transfer case.

Cabin and driver seat

- Steel cabin with two side doors and driver's seat on the left side.
- Adjustable driver seat with safety belt
- Cabin heater with temperature control dial

Instrument panel

- Digital full-color touch screen display
- In-railing video camera system (1 monitor and 2 video cameras mounted above guide wheels) and Rearview backup camera (mounted above rear coupler)

Couplers

- Heavy-duty, spring-loaded, AAR sliding couplers with remote release; front and rear
- Heavy-duty, horizontal coupler slides (or may be specified to operate vertically instead)

Lighting

- LED headlights, tail lights, step lights and work lights

Options

- Operator remote control (Hetricon)
- Additional coupler types based on customer requirements
- Different rail gauges available
- Rail track short-circuiting signaling system
- Photocell safety barrier - automatically stops machine in defined positions
- Additional LED working lights
- Air conditioning system
- Arctic pack for cold environment
- Air Blade system
- On-board generator

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