

ELECTRIC RAILCAR MOVER LOK 7.90 E / 10.90 E / 13.90 E



SUPPORTED BY:



| | LOK 7.90 E | LOK 10.90 E | LOK 13.90 E |
|--|---|-----------------------|-------------------------|
| STANDARD GAUGE: | 56.5" (1435 mm) | | |
| DIMENSIONS LxWxH: | 189" x 98.4" x 133.8" (4800 x 2500 x 3400 mm) | | |
| MAX DRAWBAR PULL (Tractive Effort): | 15,750 lbf. (70 kN) | 22,500 lbf. (100 kN) | 29,250 lbf. (130 kN) |
| MACHINE WEIGHT: | 35,270 lbs. (17.6 US t) | 44,100 lbs. (22 US t) | 52,910 lbs. (26.4 US t) |
| MAX SPEED LOADED/UNLOADED**: | 4.34 mph | 4.34 mph / 10.5 mph | |

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



A Marmon Group/Berkshire Hathaway Company

LOK 7.90 E / 10.90 E / 13.90 E SPECIFICATIONS

www.zephir.eu

Standard Features

| | 7.90 E | 10.90 E | 13.90 E |
|--------------------------|--|----------|---------|
| Battery | 80V 1395Ah x 2 (40 cells - 2V per cell) | | |
| On board battery charger | 80V-100A x 2 | | |
| Rail & road motor | 32kW x 2 - 80V - AC Brushless motors | | |
| Pneumatic tires size | 9.00-20 | 10.00-20 | |

Battery

- Centralized battery filling system with visual floater 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

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

| | 7.90 E | 10.90 E | 13.90 E |
|------------|-----------------------------|---------|---------|
| Compressor | Standard 54 cfm Twin Piston | | |

Lift Points

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

SUPPORTED BY:



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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 transmission.

Cabin and driver seat

- Steel cabin with rear door 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

Couplers

- Heavy-duty, spring-loaded, AAR type 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
- Distance proximity sensors with acoustic function (Rail mode)
- Additional LED working lights
- Air conditioning system
- Arctic pack for cold environment
- Air Blade system
- On-board generator
- Cameras and full-color display for easily positioning the machine on rail

