

# ELECTRIC RAILCAR MOVER LOK 5.5 E - MPV



SUPPORTED BY:



LOK 5.5 E - MPV	
STANDARD GAUGE:	56.5" (1435 mm)
DIMENSIONS LxWxH:	157.5" x 78.7" x 103.5" (4000 x 2000 x 2630 mm)
MAX DRAWBAR PULL (Tractive Effort):	5,850 lbf. (26 kN)      8,100 lbf. (36 kN)
MACHINE WEIGHT:	18,740 lbs. (9.4 US t)      26,460 lbs. (13.2 US t)
MAX SPEED LOADED/UNLOADED**:	13 mph (21 Km/h)      13 mph (21 Km/h)

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



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# LOK 5.5 E - MPV SPECIFICATIONS

## Standard Features

### Battery

- 80V 500Ah x 2 (40 cells - 2V per cell)
- On board battery charger with UL/CSA certified plug - 80V, 120A charging unit
- 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; eliminates need for free-standing charger installations.
- Multi-tap transformer with service for 230V (220V), 400V, 440V, and 480V.

### Rail & Road Mode Performance

- Motor - 35 kW x 1, 80V - AC Brushless motor
- Max speed unloaded: 13 mph (21 Km/h)
- Hydraulic power steering type on front wheels / pump motor steering oil 3 kW
- Suspension front and rear with semi-elliptic 4" wide leaf springs
- Pneumatic tires size 45/70 R 19.5
- Front and rear heavy duty railway axle with hydraulic pump motor 3kW

### 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

### Lift Points

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

### Instrument panel

- User-friendly multi-functional panel

## SUPPORTED BY:



**ZEPHIR SpA** - Socio unico  
 1602 Executive Drive  
 LaGrange, GA 30240 USA  
 e-mail: zephir@zephir.eu  
 www.zephir.eu

### Machine Brakes

#### Road & Rail mode

- Fully proportional hydraulic power-brake system, 2 independent circuits, one on the front and one on the rear axle, with hydraulic pump 1.5 kW
- 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 side doors; driver and passenger seat.
- Adjustable driver seat with safety belt
- Cabin heater with temperature control dial

### Options

- Various couplers available based on customer requirements
- Hydraulic or manual slide for coupler height adjustment
- Pneumatic train air braking system with a 54 CFM compressor and electric motor
- Different rail gauges available
- Rail track short-circuiting signaling system
- Photocell safety barrier - automatically stops machine in defined positions
- Hybrid pack
- Distance proximity sensors with acoustic function (Rail mode)
- LED working lights
- Air conditioning system
- Arctic pack for cold environment
- Rescue, recovery and re-railing kit
- On-board generator
- Cameras and full-color display for easily positioning the machine on rail
- Tool box
- Crane with 180-degree rotation with different load capacity
- Rear metal box (fast removal)



### LOK 5.5 E - MPV Dimensions

	ROAD & RAIL MODE
LENGTH	189" (4800 mm)
WIDTH	98.4" (2500 mm)
HEIGHT	133.8" (3400 mm)



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