ELECTRIC RAILCAR MOVER

LOK 16.150 E / 20.150 E

ZEPHIR®
ELECTRIC RAILCAR MOVERS

ZEPHIR
TRACKMOBILE® MOBILE RAILCAR MOVERS
LEAF Locomotive
Railcar Mover Group

SUPPORTED BY:
TRACKMOBILE® MOBILE RAILCAR MOVERS

	LOK 16.150E	LOK 20.150E
STANDARD GAUGE:	56.5" (1435 mm)	
DIMENSIONS LxWxH:	255.9" x 98.4" x 134.3" (6500 x 2500 x 3390 mm)	255.9" x 98.4" x 134.3" (6500 x 2500 x 3410 mm)
MAX DRAWBAR PULL (Tractive Effort):	35,900 lbf. (160 kN)	44,960 lbf. (200 kN)
MACHINE WEIGHT:	63,900 lbs. (32 US t)	77,160 lbs. (38.6 US t)
MAX SPEED LOADED/UNLOADED**:	3.7 mph / 9.9 mph	

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

MARMON
A Marmon Group/Berkshire Hathaway Company

LOK 16.150 E / 20.150 E SPECIFICATIONS

Standard Features

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	LOK 16.150E	LOK 20.150E
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	12.00-24	

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 3kW
- Hardened steel guide wheels (4 front; 4 rear)

Safety Features

- 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

	LOK 16.150E	LOK 20.150E
Compressor	54 cfm - Twin Piston	77 cfm - High output Rotary Screw

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 transmission.

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 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 (Hetronic)
- 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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