

# ELECTRIC RAILCAR MOVER CRAB 2100 E



**MAXIMUM TRACTIVE EFFORT: 5,850 lbs (26 kN)**

**MAXIMUM TOWING CAPACITY: 1,147,000 lbs\* (520 t)**

**WEIGHT: 11,460 lbs (5.2 t)**

**DIMENSIONS LxWxH: 113.4"x80.7"x95.8" (2880 mm x 2050 mm x 2435 mm)**

**UNLOADED RAIL SPEED: 4.4 mph (7 km/h)**

**RAIL SPEED AT MAX LOAD: 1.8 mph (3 km/h)**

**STANDARD GAUGE: 56.5" (1435 mm)**

(\* ) max performance on dry, flat and straight rail



A Marmon Group/Berkshire Hathaway Company

# CRAB 2100 E SPECIFICATIONS

## Standard Features

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### Battery

- 80V 625Ah (40 cells - 2V per cell)
- On board battery charger with UL/CSA certified plug - 80V, 80A charging unit
- Centralized battery filling system with visual floaters indicating battery fluid level
- Battery charging time less than 8 hrs

### Rail Mode Performances

- Motor - 12 kW 80V - AC Brushless motor
- Large 20.4" (520 mm) diameter rail wheels with steel guidance flange and replaceable high traction rolling surface
- Hydraulic system for switching between road and rail mode
- Machine operates onboard cabin

### Road Mode Performances

- Motor - 7.5 kW 80V - AC Brushless motor
- Three (3) wheels - traction drive on front wheel and two free-wheels in back for ease of movement
- Shock absorbed by precharged nitrogen accumulators
- Hydraulic power steering type on front wheel
- Tight turning radius

### Safety Devices

- Equipped with red and white directional movement signaling lights during rail mode
- Horn
- Automatic alarm while moving in road mode
- Orange beacon light
- Perimetral emergency 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 unit from switching on during recharge
- Safety system to prevent sudden direction change during operation

### Train brake

- Pneumatic braking system with 10 CFM compressor

### Traction Control System

- Governed by a programmable micro PLC and high efficiency inverters

### Brake

#### Rail mode

- Fully proportional hydraulic powerbrake system
- Parking/Emergency brake - Spring applied hydraulic pressure released

#### Road mode

- Drum type brakes with independent hydraulic circuit brake
- Parking - Spring applied hydraulic pressure released

### Cabin and driver seat

- Heavy duty, insulated cabin with two lockable doors and full visibility from driver seat
- Adjustable driver seat with safety belt
- Windows on the cabin floor with dedicated lights for ease positioning the machine on rail

### Instrument panel

- User-friendly multifunctional panel

### Options

- Operator remote control
- Interlock safety remote control system for Wheel Truing Machine
- Coupler based on customer requirements
- Hydraulic or manual slide for coupler height adjustment
- Different rail gauge measures
- Rail track short-circuiting signaling system
- Photocell safety barrier - automatically stops machine in defined positions
- Pin type connectors
- Electric winch for coupler lifting
- Rubber buffers
- Distance proximity sensors with acoustic function (Rail mode)
- LED working lights
- Air conditioning and heating system
- Arctic pack for cold environment

### Crab 2100 E Dimensions

	RAIL MODE	ROAD MODE
LENGTH	80.7" (2050 mm)	113.4" (2880 mm)
WIDTH	113.4" (2880 mm)	80.7" (2050 mm)
HEIGHT	95.8" (2435 mm)	95.8" (2435 mm)



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