

ELECTRIC RAILCAR MOVER CRAB 1800 E



MAXIMUM TRACTIVE EFFORT: 4,045 lbs (18 kN)
MAXIMUM TOWING CAPACITY: 795,000 lbs* (360 t)
WEIGHT: 8,820 lbs (4 t)

DIMENSIONS LxWxH: 85.8"x72.0"x61.0" (2180 mm x 1830 mm x 1550 mm)

UNLOADED RAIL SPEED: 3.12 mph (5 km/h)

RAIL SPEED AT MAX LOAD: 1.3 mph (2 km/h)

STANDARD GAUGE: 56.5" (1435 mm)

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



A Marmon Group/Berkshire Hathaway Company

CRAB 1800 E SPECIFICATIONS

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Standard Features

Battery

- 80V 420Ah (40 cells - 2V per cell)
- On board battery charger with UL/CSA certified plug - 80V, 60A charging unit
- Centralized battery filling system with visual floater 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 in rail mode with remote control only

Road Mode Performances

- Motor - 2 kW 80V - AC Brushless motor
- Three (3) wheels - one in front and two in back for ease of movement
- Tiller arm with two travel speeds
- Operator platform with side safety arms
- Shock absorbed by precharged nitrogen accumulators

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
- Safety system to prevent unit from switching on during recharge

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

- Spring applied electro-magnetic release brake

Remote Control

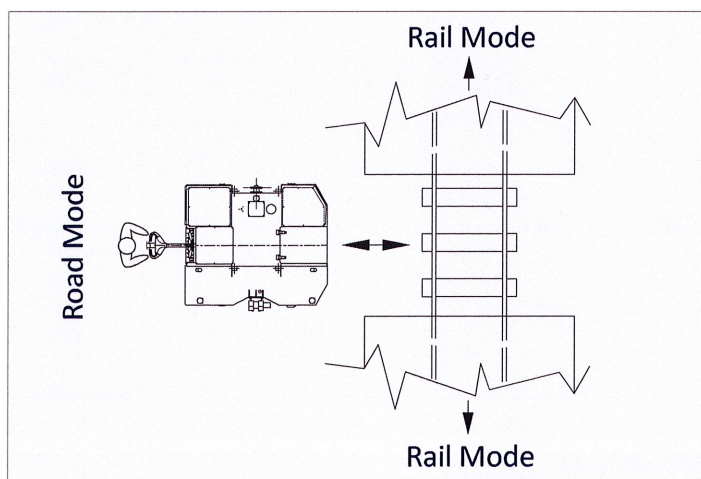
- Fully proportional brake
- Acoustic signal
- Direction selector
- Emergency stop button with reset
- Angle/tilting detection on transmitter
- Vigilance safety system
- Stand by function
- Remote control battery status LED indicator
- Spare battery in unit

Pad

- User-friendly multifunctional pad

Options

- Coupler based on customer requirements
- Hydraulic or manual slide for coupler height adjustment
- Different rail gauge measures
- Rail track short-circuiting signaling system
- Interlock safety remote control system for Wheel Truing Machine
- 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



Crab 1800 E Dimensions

	RAIL MODE	ROAD MODE
LENGTH	72.0" (1830 mm)	85.8" (2180 mm)
WIDTH	85.8" (2180 mm)	72.0" (1830 mm)
HEIGHT	61.0" (1550 mm)	61.0" (1550 mm)



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