

ELECTRIC RAILCAR MOVER CRAB 5000 E



Authorized Distributor



MAXIMUM DRAWBAR PULL: 11,690 lbf (52 kN)
WEIGHT: 19,850 lbs (9.9 US t)
DIMENSIONS LxWxH: 151.6"x86.6"x104.3" (3850 mm x 2200 mm x 2650 mm)
UNLOADED RAIL SPEED: 4.9 mph (7.5 km/h)
RAIL SPEED AT MAX LOAD: 1.8 mph (2.75 km/h)
STANDARD GAUGE: 56.5" (1435 mm)

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



A Marmon Group/Berkshire Hathaway Company

CRAB 5000 E SPECIFICATIONS



Standard Features

Battery

- 80V 1,000Ah (40 cells - 2V per cell)
- On board battery charger with UL/CSA certified plug - 80V, 120A charging unit
- Centralized battery filling system with visual float indicating battery fluid level
- Typical battery recharging time: Approximately 8 hrs with 480V power source

Rail Mode Performances

- Motor - 35 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
- Four (4) wheels. Front road wheels steer. Rear wheels provide traction.
- Shock absorbed by precharged nitrogen accumulators
- Hydraulic power steering type on front wheels

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
- 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 brake

- Pneumatic braking system available

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 lockable door and full visibility from driver seat
- Adjustable driver seat with safety belt
- Cameras and full-color display for easily positioning the machine on rail
- Cabin heater with temperature control dial

Instrument panel

- User-friendly multifunctional panel with emergency recovery buttons

Options

- Operator remote control (Hetriconic)
- 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 5000 E Dimensions

	RAIL / MODE
LENGTH	151.6" (3850 mm)
WIDTH	86.6" (2200 mm)
HEIGHT	104.3" (2650 mm)

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