

INDUSTRIAL CRANES

MORRIS
MATERIAL HANDLING™

MCJ TROLLEY

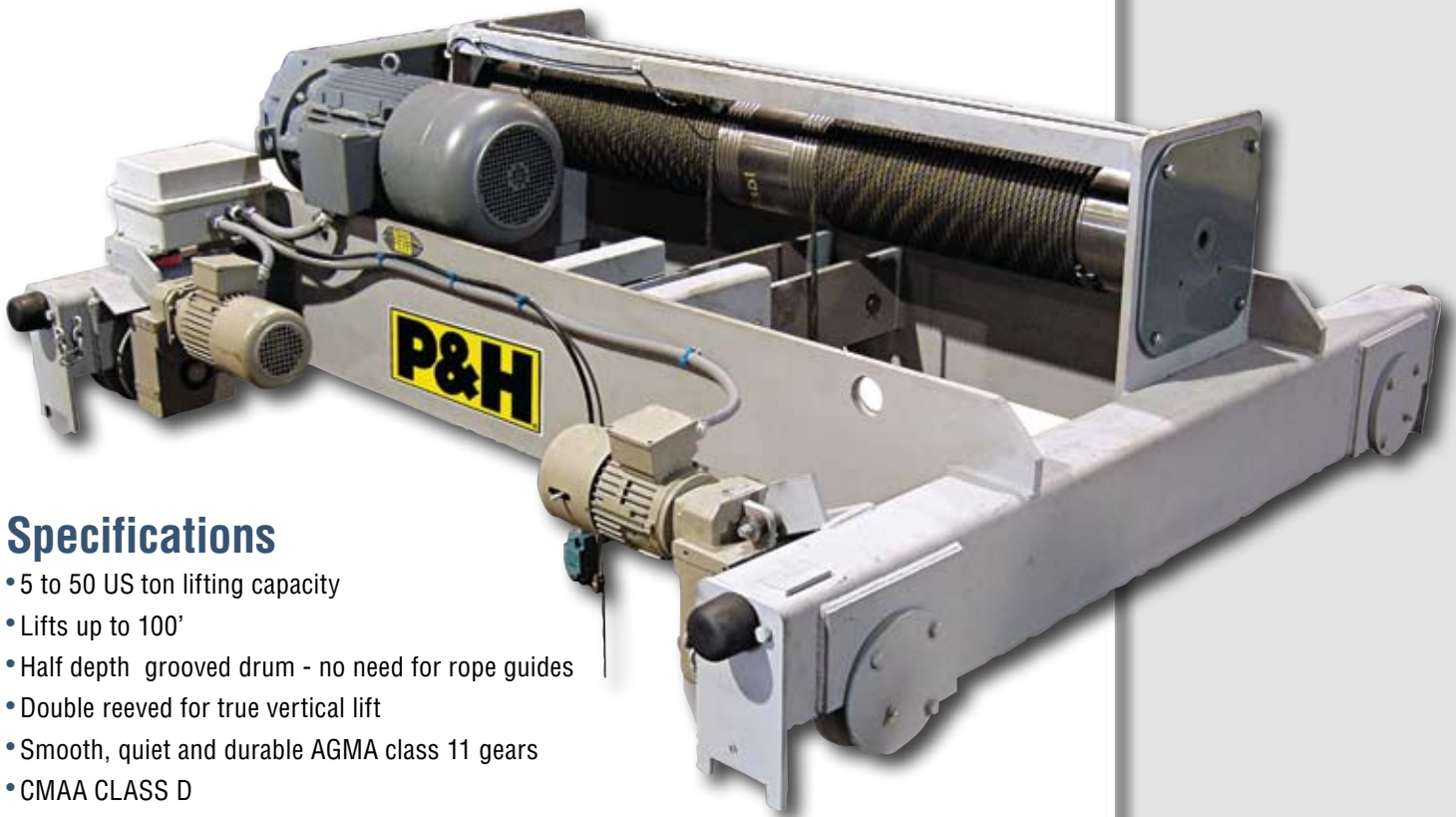
THE MCJ TROLLEY combines the reliability of the M-Series hoist, with the rugged duty CJ trolley. The result is a competitively priced, quick delivery, class D service trolley for a wide host of applications.

The MCJ built-up trolley design takes advantage of some M-Series hoist stock components such as motors, brakes, gear case, drum and is combined with the design associated with our built-up CJ trolley, specifically the integral upper block/trolley frame.

Components are manufactured at our Watertown, Wisconsin Machine Shop and assembled in our nearby Windsor Plant. Workplace enhancements at these two facilities enable us to build and deliver the MCJ quickly.

THE MCJ TROLLEY IS PERFECT FOR A VARIETY OF APPLICATIONS:

- Steel service centers
- Steel fabricators
- Paper handling
- Maintenance facility
- Most any production environment



Specifications

- 5 to 50 US ton lifting capacity
- Lifts up to 100'
- Half depth grooved drum - no need for rope guides
- Double reeved for true vertical lift
- Smooth, quiet and durable AGMA class 11 gears
- CMAA CLASS D
- Hoist speeds 5 to 60 FPM
- Rotating axle wheel design for easier maintenance
- Easier to maintain accessible upper reeving sheaves
- 60 minute, class F insulation hoist motor
- Dual 30 minute, class F insulation trolley motors
- DC electric disc brakes
- Thermostats embedded in motor windings
- Standard voltages are 230, 460 and 575



CRANES / HOISTS / SERVICE / PARTS

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MCJ TROLLEY FEATURES

INDUSTRIAL CRANES



Hoist Reducer

- AGMA Class 11 gears are standard for long life.
- All shafts are supported by roller bearings, not bushings.
- Synthetic oil is used for longer gear life.
- The optional MECHANICAL LOAD BRAKE is a device that stops and holds the load in the event of a power failure or non-functioning brake.



Motor and Brake

- The hoist motor is totally enclosed fan cooled (TEFC), 60 minute rated with class "F" insulation.
- A shutdown thermostat thermally protects motor.
- Electrically connected via a convenient terminal block for easy access and maintenance.
- The DC rectified disc brake is rated at 250% motor torque, the best in the industry.



Limited Switches

- Two NEMA 4 inductive proximity sensors limit the upper and lower hook travel. They simplify rope replacement since they rarely have to be reset.
- An OSHA required secondary lever operated limit switch protects the bottom block from colliding into the drum.



Bottom Block

- The bottom block has a compact design for higher hook lift.
- Single bolt shroud removal provides easy access to sheaves for quicker inspections and rope replacement.
- The sheaves are hardened to 300 BHN.
- The sheaves are supported by two maintenance-free, permanently sealed bearings.
- The hook includes a safety latch and rotates 360 degrees.
- The drum has half depth wire rope grooves, which extends rope life and eliminates the need for high-maintenance rope guides.

Power Supply

- Designs support 230, 380, 460 & 575 VAC power.



Trolley Trucks and Drives

- The trucks are constructed from high strength structural tubes.
- The trolley drives are A-4 type having one motor/reducer on each side of the trolley.
- OSHA required bumpers and rail sweeps are included.
- The motors are in totally enclosed fan cooled (TEFC), continuous rated with class "F" insulation and DC rectified disc brakes.

Controls

- Controls can be mounted to the hoist or shipped loose.
- All wiring is tagged and color-coded for ease of maintenance.
- Control enclosures are NEMA 4X (water and corrosion resistant).
- All control components are UL and CSA listed.



A. Single Speed and Two Speed Control:

- All contractors are IEC Rated and are sized for CMAA class "D" (HMI class H-4) service.
- Primary and secondary fuse protection is included.
- The two-speed hoist control has a 4:1 ratio for excellent slow speed control. (Two-speed is available on the hoist motion only)



B. Smar torque® Variable Frequency Control:

- Standard on trolley motion; available for hoist.
- Best performance available for load spotting and overall control.
- Can be programmed for two distinct speed steps or two infinitely variable speed steps.
- Allows programming of speeds and smooth accel / decel rates which reduces wear and tear on all components.

Pendant Station

- The lightweight, ergonomic pendant is suspended from the control panel (or can be shipped loose).
- The enclosure is impact resistant, chemically resistant, watertight, double insulated, and rated NEMA 1, 3, 4X and 12.
- Two step or single step buttons are provided to suit selected control.

Paint

- A high quality enamel finish coat will be applied.