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Columbus McKinnon is one of the most respected and well-known names in the material handling industry. We combine two different yet complimentary areas of expertise — rigging products and hoists — to develop complete floor-to-ceiling lifting systems for even the most challenging applications.

Columbus McKinnon designs and manufactures a large portfolio of durable and reliable products for a variety of industries. Our portfolio includes powered and manual hoists, rigging products, below-the-hook attachments, crane, elevated truck systems and specialty engineered solutions.

Stock #YLT/L-CKB-1214
EP 250 BB
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USA: Ph: (800) 888.0985 • (716) 689.5400 • Fax: (716) 689.5644
CANADA: Ph: (877) 264.6478 • Fax: (877) 264.6477

Not only is Columbus McKinnon a leader in material handling products, we are also a global leader in providing expertise and training on the proper use and inspection of rigging and overhead lifting equipment. With a range of comprehensive programs and seminars conducted at venues throughout North America, including our hands-on training centers and private companies, our courses include:

- Crane Maintenance
- Crane & Hoist Inspection
- Crane Operator Training
- Rigging
- Rigging Gear Inspection
- Material Handling
- Load Securing
- Rigging

One of our newest programs, CMCO University™, is a three-day course designed to give industries an intimate knowledge of our products, the information they need to select the right product for the application, and the tools to win in the marketplace.

Courses are available at our state-of-the-art, hands-on training centers, including the Niagara Training Center and the Hoist & Rigging Training Center of Excellence in the Center for Occupational Health and Automobile Manufacturing (COHAM) lab at The Ohio State University.

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STANDARD FEATURES

- HEAVY-WALLED STRUCTURAL TUBE FRAME
- REMOVABLE BOLT-ON Turnbuckle, Wire Rope & Masts
- REMOVABLE BOLT-ON ROILING BOX WITH CONNECTION PLATES
- TWIN AXLE WHEELS FOR PLATES CYLINDER
- BRIDGE MOTORS W/ 6" SHAFTS OR SIZED TO CUSTOM ORDER
- TOTALLY ENCLOSED HELICAL GEAR BRIDGE REDUCERS
- BRIDGE MOTORS W/ 6" SHAFT FOR REMOVABLE FRAGILITY COVER
- MEGA 410 PK CONT. PANEL ENCLOSURE
- ALL METAL PLUG & PLAY CONNECTION PLUGS
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**STANDARD FEATURES**

- HEAVY-WALLED STRUCTURAL TUBE FRAME
- REVERSING AXLE DRIVER & TRAILER WHEELS
- REMOVABLE BOLT-ON END PLATES FOR RAIL ENDS
- TWO AND TWO-MOUNTED BOLTED-ON CONNECTION PLATES
- TWO AND TWO METER FOR PLAY DECK BUILDING
- BRIDGE MOTORS RUN ON EITHER ASCE OR SQUARE BAR RAIL
- TOTALY ENCLOSED HEAVY-DUTY CRANE REDUCERS
- BRIDGE MOTORS BUILT & SIZED FOR VARIABLE FREQUENCY DRIVE
- NEMA 4X (IP 65) CONTROL PANEL ENCLOSURE
- ALL METAL PLUG & PLAY CONNECTION PLUGS

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**KNOW HOW. WHY. BE SAFE. GET TRAINED.**

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- **Crane & Hoist Inspection**
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HOIST & TROLLEY

For Single & Double Girders

The Shaw-Box® World-Series and Yale® Global King Hoists & Trolleys provide long life in heavy service applications with capacities from 1 to 20 tons.

- Built to meet and exceed either FEM 2m or 3m duty (similar to ASME H4 or H4+ duty).
- Low headroom design provides maximum hook travel.
- 200% torque DC hoist motor brake.
- All Controls housed in NEMA 4/12 enclosure with easily accessible components.
- Triple reduction, helical, oil-bath lubricated hoist gearing in a cast aluminum gear case.
- Standard Hoists and Trolleys are CSA approved.

CONTROL PANEL

- Plug & Play cables connect to bridge motors, hoist & trolley, power and pendant control for easy assembly.
- Standard Variable Frequency Control provides controlled acceleration and deceleration for smoother operation, reduced load swing, and extends the life of the drive train.
- NEMA 4/12 Enclosure.
- Meets NEC.
- Fusing, Manual Disconnect and Mainline Contactor.
- Control Panel Components are CSA approved.

PENDANT CONTROL

- Plug & Play connection makes installation and maintenance quick and easy, eliminating the need of an electrician and minimizing downtime.
- Simplified 8 button operation for all movement.
- UL Listed and CSA approved.

FESTOON SYSTEM

- Easy quick connect plugs requires no special tools or skills to "wire up" a bridge crane.
- Connection housings are durable metal with spring loaded snap connections. No plastic housings to break or long screws or loose gaskets to contend with.
- Flat cables and plugs are CSA approved.

ONLINE ESTIMATING SOFTWARE

- Our easy to use web based estimating software allows our Yale® Shaw-Box® Authorized Distributors the ability to easily prepare an estimate and generate clearance drawings.
- Clearance diagrams automatically calculated and provided in PDF or a variety of AutoCAD, E-Drawing or Solid Works formats.

BRIDGE MOTORS

- Complete with Plug & Power Connection Cables
- Motor, Reducer and DC Rectified Brake are fully assembled for easy installation.
- Designed to connect to hoist motor with V-Belt connection.
- Guide-Guard Power Cables from Wire to Control Panel.
- Wheels are sealed to prevent taper and center operation for superior performance and longer life.
- Motor, Reducer connection to the drive wheel with Quick-Connect Power Cable from Motor to Control Panel to provide a wide range of travel speed capacity.
- Tapered mounted grade initial gear reduction.
- Motor is approved with TAS as standard.
- CSA & CE Approved

HOIST & TROLLEY

For Single & Double Girder Systems

- Built to order and suitable either FEM 2m or 3m duty to suit customers application.
- DC Hoist, which allows for precise positioning of the load.
- 100% loaded DC motor drives
- All Reducer and Drive Components are NEMA 4/12 enclosure with easily accessible components.
- 200% torque DC motor brake
- Standard hoist and trolley are CSA approved.

CONTROL PANEL

- Plug & Play Connections
- Plug & Play cables connect to bridge motors, power and pendant control for easy assembly.
- Standard Variable Frequency Control provides controlled acceleration and deceleration for smoother operation, reduced load swing, and extends the life of the drive train.
- NEMA 4/12 Enclosure.
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- Fusing, Manual Disconnect and Mainline Contactor.
- Control Panel Components are CSA approved.

PENDANT CONTROL

- Plug & Play Packages
- Plug & Play Packages are waterproof, with maintenance access to the pendant control and full adjustment of the pendant control.
- Standard pendant control is CSA approved.

FESTOON SYSTEM

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• Low headroom design provides maximum hook travel.
• 200% torque DC hoist motor brake.
• All Controls housed in NEMA 4/12 enclosure with easily accessible components.
• Triple reduction, helical, oil-bath lubricated hoist gearing in a cast aluminum gear case.
• Standard Hoists and Trolleys are CSA approved.

CONTROL PANEL
• Plug & Play cables connect to bridge motors, hoist & trolley, power and pendant control for easy assembly.
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BRIDGE MOTORS
• Complete with Plug & Play Power Connection Cables
• Plug & Play allows for easy connections.
• Motor, Reducer and DC Rectified Brake are fully assembled for easy installation.
• Gearbox is built to meet and exceed FEM 2m or 3m duty.
• Controls are mounted on motor case for easier hook operation.
• Includes emergency stop push button to provide a wide range of travel speed capacity.
• Motor is mounted to a robust gear reducer.
• Rated 320 HP, 230/460, 200 & 575; HP: 3/4, 1, 1.5, 2 & 3.
• Motor is CSA & CE Approved.

HOIST & TROLLEY
For Single & Double Girder Trolley Hoists
• Built to meet and exceed either FEM 2m or 3m duty.
• Includes emergency stop push button.
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POWER 230/460, 200 & 575; HP: 3/4, 1, 1.5, 2 & 3.
• Motors are CSA & CE Approved.

SINGLE & DOUBLE GIRDER END TRUCKS
• Plug & Play allows for easy connections.
• Motor, Reducer and DC Rectified Brake are fully assembled for easy installation.
• Gearbox is built to meet and exceed FEM 2m or 3m duty.
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The Complete Crane Kit
Yale Crane Kit Brochure (YLT-L-CKB-1214)_Layout 1  12/3/14  1:09 PM  Page 2
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• 200% torque DC hoist motor brake.
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• Yale’s Online Estimating Software allows
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and compare pricing online.
• Features include instant access to product specifications,
availability, and pricing.
• Users can save quotes and retrieve them at a later date.

SINGLE & DOUBLE GIRDER END TRUCKS
Complete with Connection Plates, Rail Sweeps & Bumpers
Due to differences in standards per country, we refer
you to our distributors for local details.

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HOIST & TROLLEY
Frame Girder Bridge Crane System
• For Single & Double Girder End Trucks
• On Sale Now

FESTOON SYSTEM
Plug & Play Connection
• Easy Quick Connect plugs require
no special tools or skills to “wire up”
a bridge crane.
• Connection housings are durable
metal with spring loaded snap
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- ROLLING MOUNTED TRAILER ROLLER BEARINGS
- COMPLETE BOLT-UP BOWED BOX CONSTRUCTION PLATES
- TWIN AXLE WHEELS FOR PLATE MOMENT
- FULLY ENCLOSED BRIDGE GEAR REDUCERS
- TWO HAND HOLES PER GIRDER CONNECTION PLATE SET
- BUILT-IN CESI OR SQUARE BAR RAIL
- FULLY ENCLOSED HELICAL GEAR BRIDGE REDUCERS
- BUILT-IN CESI OR SQUARE BAR RAIL
- NEMA 4X/IP 65 CONTROL PANEL ENCLOSURE
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