



SHAW-BOX®

GLOBAL KING™ & WORLD SERIES™

ELECTRIC WIRE ROPE HOISTS



VARIABLE FREQUENCY DRIVE



C O L U M B U S M c K I N N O N C O R P O R A T I O N

TAKE CONTROL

WITH VARIABLE FREQUENCY DRIVE

Our signature Yale® Global King and Shaw-Box® World Series electric wire rope hoists are now available with one of the industry's premier variable frequency drives. Manufactured in Wadesboro, North Carolina, these best-in-class VFD hoists allow for greater speed adjustment, improved load control, higher duty cycles and increased hoist life.

Combining more than 138 years of experience with the latest manufacturing and materials technology, the Yale and Shaw-Box VFD units are some of the most competitive wire rope hoists on the market today. With industry-leading safety features and flexible configurations, the Global King and World Series hoists are designed for ease of use and long life in even the most heavy-duty applications.

3 YEAR STANDARD WARRANTY

Since their introduction almost 10 years ago, Global King and World Series hoists continue to exceed user expectations and are some of the lowest total-cost-of-ownership wire rope hoists on the market.



The Global King and World Series hoists deliver the durability and performance customers have come to rely on and are backed by one of the best three-year warranties in the industry.



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VARIABLE FREQUENCY DRIVE

RECOGNIZED AS ONE OF THE INDUSTRY'S PREMIER VFD CONTROLS

Magnetek variable frequency drives feature a modern design and provide reliable, user-friendly controls. Keypad with data readout allows for easy programming and on-the-spot troubleshooting.



BENEFITS & FEATURES

PRECISE LOAD CONTROL

20:1 speed ratio allows for a wide range of hoist lifting speeds while decreasing load bounce. Modified open-loop vector control with gearbox-mounted speed sensor protects against over-speed and speed deviation. Quick-stop feature allows the hoist to stop within 3" at high speeds.

LONGER HOIST, BRAKE & MOTOR SERVICE LIFE

Frequency drive offers built-in thermal overload and overcurrent protection for the hoist motor. Ramp-down-to-stop feature decreases load bounce and increases brake life.

INDUSTRY-LEADING SAFETY FEATURES

EASY TROUBLESHOOTING

VFD control features keypad and easy-to-read screen for on-the-spot safety readouts. Recorded fault history aids in troubleshooting process.

OVERLOAD & OVER-SPEED PROTECTION

Load Check II™ feature, preset to 100% of load, monitors capacity and prevents overloading if capacity is exceeded. Modified open-loop vector control with gearbox-mounted speed sensor protects against over-speed and speed deviation.

HIGHER DUTY CYCLES

External brake resistor allows for maximum heat dissipation and uninterrupted drive service at high-duty cycles. Hoists are not equipped with load brakes, reducing heat generation in high-duty-cycle applications.

FLEXIBLE CONFIGURATIONS

Standard 2-step infinitely variable control with acceleration and deceleration control. Optional 3-step infinitely variable control as well as 2 and 3 speed multi-step controls. Multiple power supply options also available. Drive is equipped with 115V interface card for compatibility with 115V control bridge and crane systems.

CAPACITIES 1 to 20 METRIC TONS

AVAILABLE ON MONORAIL, TOP-RUNNING
DOUBLE GIRDER & DECK-MOUNTED HOISTS



1

7

8

2

6

3





KEY FEATURES

1 WIRE ROPE DRUM

Machined from quality steel, deep grooved with a rope guide to help ensure the rope stays in the grooves. Wire rope is secured to the drum with three heavy-duty clamps and designed to have three extra wraps of wire rope on the drum with the rope at full extension (low hook).

2 HEAVY-DUTY DC DISC BRAKES

Rated at 200% torque, provides quick, positive stops and load holding.

3 MOTORS

Features inverter-duty hoist motor for use with variable frequency drives. Designed and manufactured specifically for hoisting service.

4 WHEELS

Steel compound tread wheels for long life and use on either wide-flange or standard "I" beams. One wheel on each side of trolley driven for positive tracking.

5 HOIST & TROLLEY CONTROLS

Housed in a common NEMA 4/12 enclosure with hoist motion monitor, motor thermal overloads, over capacity limit switch and more. Easily accessible electrical components. VFD hoist and trolley control for smooth acceleration and precise load positioning.

6 GEARING

Triple reduction hoist gearing is oil bath lubricated, operating in an oil-tight, cast aluminum gear case.

7 FRAME

Heavy steel frame provides a solid foundation and positive alignment of key components.

8 LIMIT SWITCHES

The hoist is provided with an upper/lower geared control circuit hoist motion limit switch. An additional block-operated upper control circuit limit switch is available as an option. A hoist overcapacity limit switch prevents overloading. Drive equipped with Load Check II™ feature that monitors capacity and prevents overloading if capacity is exceeded.

9 TRUNNION-STYLE BLOCK & HOOK

Each hoist comes with a bearing-mounted trunnion hook that rotates 360° and swings back and forth 180° for easier load adjustment.

LOW HEADROOM

The hoist is reeved to a low-headroom design lower block for minimum headroom and maximum lift (not shown).

TROLLEY

Trolley is easily adjustable to handle a wide range of beam flange widths (not shown).





KNOW HOW...KNOW WHY

Columbus McKinnon is a global leader in providing expertise and training in 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, as well as on site at private companies and industries, Columbus McKinnon courses include:

- Hoist Maintenance
- Load Securement
- Crane & Hoist Inspection
- Rigging Gear Inspection
- Rigging
- Safe Hoisting
- Crane Operator Training



Classes are available at our Niagara Training Center and the state-of-the-art **Hoist & Rigging Training Center of Excellence** in the Center for Occupational Health and Automobile Manufacturing (COHAM) lab at The Ohio State University. The COHAM lab is a hands-on learning center that allows attendees to understand how to properly use and inspect overhead lifting equipment. This leading edge training program is designed to increase workplace productivity and safety in a ergonomically friendly environment.

In addition to the strong knowledge base exemplified by comprehensive training programs, Columbus McKinnon is one of the only manufacturers supplying complete lifting systems to satisfy unique material handling requirements of users in a variety of environments. From jib cranes and hoists to chain slings, clamps, and related attachments; systems include products that are matched specifically to the lifting needs of the application. Products may also be modified in order to ensure that the proper system is in place for the job.

Whether your needs call for a single Global King hoist or a completely engineered system to outfit your production facility, Columbus McKinnon provides the material handling products and expertise you need to keep your workforce productive and safe.



▲ WARNING

To Avoid Injury:

- Do not exceed working load limit, load rating, or capacity.
- Do not use to lift people or loads over people.
- Read and follow all instructions.



FAMILY OF BRANDS



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