



# LODEKING<sup>TM</sup>

HIGH CAPACITY ELECTRIC WIRE ROPE HOISTS





# LODEKING<sup>TM</sup>

**HIGH CAPACITY** ELECTRIC WIRE ROPE HOISTS

With capacities from 15 to 60 Tons, the new Yale LodeKing<sup>TM</sup> wire rope hoist combines the durability you have come to expect from Yale, with the higher capacities your applications demand.

The LodeKing<sup>TM</sup> is engineered with an efficient, space-saving center drive configuration and dual drum design for superior load control and centering. A key feature is our robust commercial Gear Drive that delivers reliable performance with easy maintenance.

This first generation of LodeKing hoists will be complemented by our higher capacity models up to 140 tons, which will be available in late 2012.

## STANDARD FEATURES

### TRUE VERTICAL LIFT

Better load control, easy movement and placement of product.

### CENTER DRIVE CONFIGURATION

Improves load centering on the crane and cleaner outside dimensions.

### WELDED ECCENTRIC OUTER BEARING

Welding prevents tampering with the bearing. It also allows for fast, easy change out of bearing in the field with no adjustments required. No shims needed since it is eccentric.

### INDUSTRY-PROVEN GEAR DRIVE

Easy to maintain Gear Drive features a sight glass for quick inspection of the oil level. Standard availability improves product lead time.

### FLUX VECTOR DRIVE PACKAGE STANDARD ON ALL UNITS

Improves load control and allows for precise movements. Reduced brake wear.

### SUPPLEMENTAL UPPER & LOWER LIMIT SWITCH

Safely stops load from being lifted or lowered beyond set limits reducing damage to equipment and hoist.

### EXCEEDS CMAA CLASS D ROPE TO SHEAVE & DRUM DIAMETER

Reduces rope maintenance.

### 200% MOTOR BRAKE TORQUE RATING

Secondary brake exceed CMAA Standards. Stops and holds a rated load quickly and securely.

### 30 TO 60 HP MOTORS AVAILABLE

Offers wide range of hoist lifting speeds.

### BUILT UP CONSTRUCTION

Fabricated frames made from steel structures adds structural integrity.

### ROTATING AXLE TROLLEYS

Ideal for Class D service requirements. Longer bearing life with roller bearings versus ball bearings for capacities over 30 Ton.

## OPTIONAL FEATURES

### ION NITRIDING OF SHEAVES & DRUMS

### ROPE GUIDES

### LOAD SENSING

Standard field programmable

### THERMAL OVERLOAD PROTECTION

Provided within the Drive

### OVERLAY LIMIT SWITCH

### DRUM ENCLOSURE

### CUSTOM TROLLEY GAGES

### AUXILIARY HOIST

### CSA APPROVED MODELS





**DOUBLE GIRDER TOP RUNNING  
CAPACITIES 15 TO 60 TON**

CMAA CLASS D DUTY CYCLE

DESIGN TO CMAA/ANSI STANDARD



>>> 30 TON MODEL



>>> 60 TON MODEL  
WITH MOUNTED ENCLOSURE





### 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
- Mobile Crane Operator
- Rigging
- Safe Hoisting
- Crane Operator Training
- Rigging Gear Inspection

In addition, classes are available at the new state-of-the-art **Hoist & Rigging Training Center of Excellence** in the Center for Occupational Health and Automobile Manufacturing (COHAM) lab located at Ohio State University. The COHAM lab is a hands-on learning center which 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 training 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 LodeKing™ hoist or a completely engineered system to outfit your production facility, Columbus McKinnon provides the products and expertise 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



Phone (800) 888.0985 • Fax: (716) 689.5644 • [www.cmworks.com](http://www.cmworks.com)