

CRANE ESTIMATOR PARAMETERS AND INSTRUCTIONS

Revised – January 11, 2010 (supersedes: August 21, 2009)

Access Requirements

To access the Crane Estimator you will need to be a Yale or Shaw-Box distributor (a 'J' customer number) and you will need to have a distributor web login. If you already access the distributor web to check on orders or pricing and if you have a 'J' customer number associated with your login, then you are all set and you can use this direct link to the login screen <https://distributor.cmworks.com>.

If you do not have a login click on this direct link <http://www.cmworks.com/login.aspx> or copy and paste it into the address window of your web browser and select 'GO'. Fill in the information requested, be sure to include your 'J' customer account number at the bottom then click 'Submit Request'. Please note that your Username and password are Case Sensitive. Within 48 hours you will receive an email from Columbus McKinnon that your username has been activated.

Range of Component Values

The Crane Estimating software will estimate the following crane and hoist variations, when values are input keep in mind the acceptable range of values listed below for each component:

SINGLE GIRDER

Crane Components:

Single girder top-running
Integrated Rotating Axle Trucks to 15 Tons
60' max span
Bridge control is VFC

Hoists and Trolleys:

Yale electric chain hoists
1, 2 or 3 Ton capacities
20' maximum lift
Hoist & Trolley controls available in 1 or 2-speed
Yale Y80 or Shaw-Box 800 Series wire rope hoists
1 Ton with max lift of 25'
2 Ton with max lift of 20'
3 Ton with max lift of 30'
Hoist & Trolley controls available in 1 or 2-speed
Shaw-Box World Series (FEM) hoists
2 and 3 Ton, 20/5 fpm, max lift 40'
5, 7.5, 10 and 15 Ton, 20/5 fpm, max lift 40'
Hoist & Trolley controls 2-speed standard

DOUBLE GIRDER

Crane Components:

Double girder top-running
Integrated Rotating Axle Trucks to 20 Tons
60' max span
Bridge control is VFC

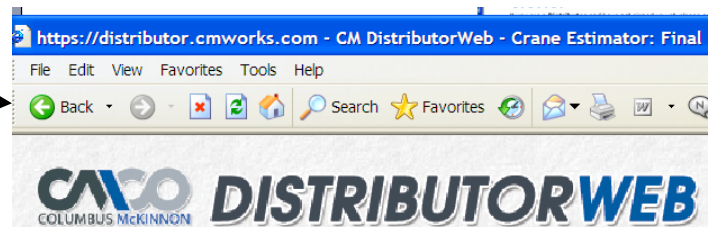
Top Running Trolley/Hoists:

Shaw-Box World Series (FEM) hoists
5 Ton, 20/5 fpm, max lift 40'
7.5 and 10 Ton, 20/5 fpm, max lift of 40'
15 Ton, 18/4.5 fpm, max lift of 40'
20 Ton, 18/4.5 fpm, max lift of 26'
Hoist & Trolley controls 2-speed standard

NOTE: All Tons are US Tons

Important Comments

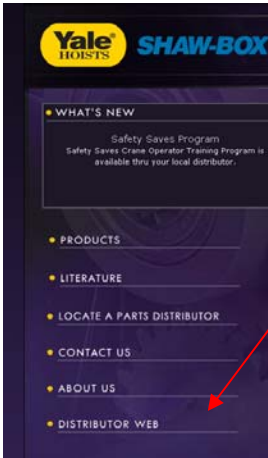
1. Do **NOT** use this '**BACK**' button
2. Stay within the parameter ranges listed above
3. Response emails may take longer depending on your server – it's quicker to send emails to your personal email address
4. When purchasing a Crane Estimate Crane Kit you need to fax in either 'a' or 'b' listed with your order
 - a. The printed web pages - reference item 15 on page 5
 - b. The submitted proposal/quote that was emailed to you - reference items 17 thru 19 on page 6



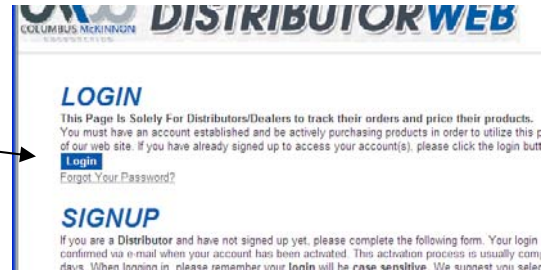
CRANE ESTIMATOR INSTRUCTIONS

1. To get started you would hold down your Ctrl key and click on this direct link <https://distributor.cmworks.com> to the Distributor login screen or type the address into your browser window.

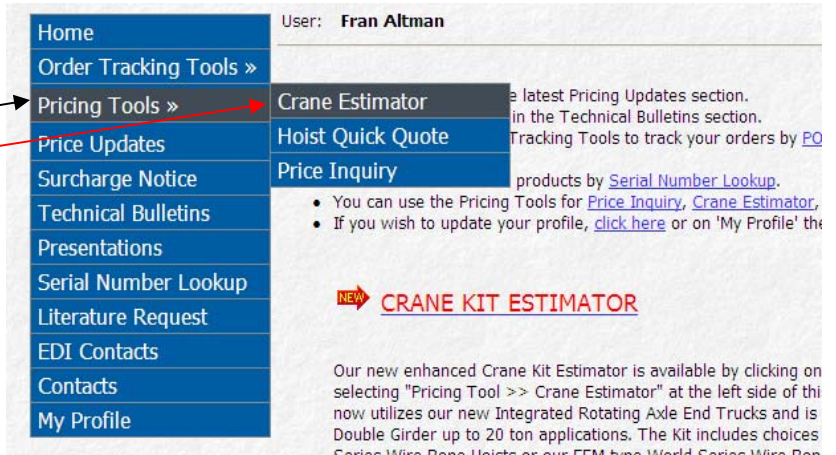
2. When the Login window appears you would type in the following information (it is case sensitive)
- user name:
 - password:
 - select OK



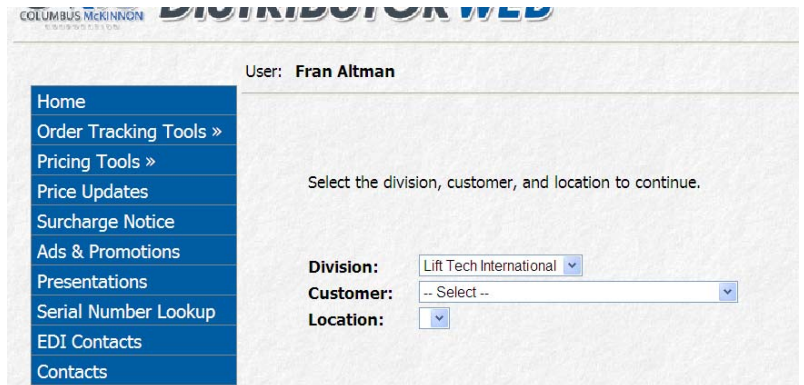
3. **OR** – You can access the Distributor web from www.YaleShawBox.com website by clicking on 'Distributor Web' (the last bullet item on the left side), when this screen appears click on the Login button. When the login window appears follow instruction in #2 above



4. When the Distributor web screen appears, move your mouse-pointer over 'Pricing Tools' a sub menu will appear click on 'Crane Estimator'



5. Once in the Estimator the first screen will show three pull-downs, you will select the following
- Division – Select **'Lift-Tech International'**
 - Customer – You would select your **"J"** customer number
 - Location – this pull down will be skipped if you do not have branch locations



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6. Load an existing estimate – For previously submitted estimates / quotes within a **120** date range – use the pull down arrow to view previous estimate / quotes.
 Note: quotes done prior to this release will not be visible and cannot be reloaded.

7. The next screen will be additional preliminary information. Only items with an asterisk need to be filled in
- Proposed Date – Default is the current date but the date can be changed
 - Customer Name – Input YOUR customer name (optional)
 - Application – Description of the application (optional)
 - Quote No. – Enter whatever quote numbering system your company uses
 - System Type – Click on the arrow and select either 'Double Girder Top Running' or 'Single Girder Top Running'
 - Drawing Format – select the format you need (if you select Autocad another pull down will appear for you to select the version of Autocad)
 - Wait for process then select 'Continue Estimate' (you might have to scroll down a little to see the 'Continue Estimate' button)

8. This is the Technical data screen – be sure to input information or make selection in order because your choices or answers will bring in the next selections or options. You can use your TAB key to get to the entry boxes.

- Capacity – selected from pull down list
- Span – input your span or desired span (input feet and inches, fraction of inches in decimal form. i.e. 3 1/2" would be 3.5)
- Building Dimensions – Select one of the following and fill in information
 - 'Building dimensions known' – default selection
 - 'Floor to Nearest Overhead Obstruction'
 - 'No building dimensions known'
- Pit – fill in pit depth, if applicable
- When done click on 'Continue'

You can edit information in the top section above the 'Runway Rail Size', even after you have proceeded to the bottom section, but you **MUST** be sure to select the 'Continue' button again before proceeding into the bottom section again.

9. In the Bottom section starting with 'Runway Rail Size' be sure to make selections in order (do not skip around) use the pull down arrow to see choices. (Some items may have only one choice)

When all selections are chosen, if you want to add options select the 'Add Options' button

If options are not needed select the 'Continue Estimate'

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10. Note: For a Double Girder system there are two additional pull downs 'Gage' and 'Trolley Rail'

Runway Rail: * 40# ASCE
 Power Supply: * 480V-3PH-60HZ
 Class of Service: * CMAA CLASS 'C'
 Hoist Type: * FEM Top Running
 Hoist Speed: * 20/5 fpm
 Select Hoist: * World Series
 Gage: * 66
 Trolley Rail: * 30#
 Trolley Speed: * 50/17 fpm
 Block Limit Switch: * Yes
 Component Type: * Tube Truck
 Bridge Speed: * 100/V fpm
 Select Girder: * W14X53

CONTINUE ESTIMATE ADD OPTIONS

When all selections are chosen, if you want to add options select the 'Add Options' button

If options are not needed select the 'Continue Estimate'

11. Option Page – options that are available for each component for either system, Single Girder or Double Girder, will be visible for selection. Use the down arrows to view choices and click on the selection needed

Item	Description
80L03030518	HOIST 800 SERIES LUG MOUNT

Option	Default Selection	Selection	Available Choices
CONTROL VOLTAGE	115V	115V	
GEARED LIMIT SWITCH	NO	NO	--List Of Choices --
WEIGHT WATCHER	NO	NO	--List Of Choices --
WEATHER RESISTANT	NO	NO	--List Of Choices --
FINISH	BLUE ENAMEL	BLUE ENAMEL	--List Of Choices --
TROLLEY	MOTOR DRIVEN	MOTOR DRIVEN	--List Of Choices --
HOIST MOTOR HORSEPOWER4		4	

Related Component **Description**
 MDT06 TROLLEY MOTOR DRIVEN 6 TON

Option	Default Selection	Selection	Available Choices
TROLLEY SPEED	50 FPM	50 FPM	--List Of Choices --
TROLLEY BRAKE	NO	NO	--List Of Choices --
ACCELERATION CONTROL	NO	NO	--List Of Choices --
TROLLEY MOTOR HORSEPOWE 1/2		1/2	

Related Component **Description**
 BRIDGEKIT BRIDGE GEARMOTORS AND

Option	Default Selection	Selection	Available Choices
BRIDGE WARNING DEVICE	NO	NO	--List Of Choices --
RADIO CONTROL	NO	NO	--List Of Choices --

Related Component **Description**
 160TSTRUCK 160MM END TRUCK PAIR ASSEMBLY

Option	Default Selection	Selection	Available Choices
CRANE BUMPERS	RUBBER SIZE 2	RUBBER SIZE 2	--List Of Choices --

DONE

When complete select the 'Done' button

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12. The next screen lists the system components based on the data input or selected in items 8-11 above. The first line of information is the net price and weight.
13. Below the Price and weight starts the listing of components with their default or selected attributes or values.
14. Each component associated with the Crane Kit will be listed in this order.
 - a. Hoist
 - b. Trolley – if applicable
 - c. Hoist Control – if applicable
 - d. Bridge Kit
 - e. End Truck
15. You can print this web screen for your records but you will not receive a drawing. It is recommended that you submit the estimate by clicking on the 'SUBMIT ESTIMATE' button. You will then receive this information in a similar cleaned up format plus a drawing via email – see items 17 thru 19 below.

Crane - Top Running, Double Girder

Net Total	Component Weight
\$19,310.30	3,024 LB

This quote is good for 30 days.

Related Component	Qty	Total Weight	Description
WB3T	1	1650 LB	TROLLEY HOIST "B" FRAME III

Option	Selection
VOLTAGE	460V-3PH-60HZ
HOIST RATED CAPACITY	5 TON
HOIST LABELED CAPACITY	5 TON
DUTY CYCLE	2M PER FEM 9.511
HOIST SPEED	20 FPM
LIFT (FEET)	26' 4 5/8"
REEVING SYSTEM	4 PART SINGLE REEVED
BLOCK OPERATED LIMIT SWITCH	YES
GEARED LIMIT SWITCH	YES
OVERLOAD LIMIT SWITCH	YES
ROPE GUIDE	YES
SPARK RESISTANT MECHANICAL FEATURES	NO
HOOK	STANDARD
RAIL	25#-60#
GAGE	66"
BUMPERS	YES
HOIST CONTROL TYPE	2-SPEED
HOIST MOTOR HORSEPOWER	7-1/2
WEATHER RESISTANT	NO
TROLLEY SPEED	50 FPM
TROLLEY CONTROL TYPE	VARIABLE FREQUENCY
TROLLEY BRAKE	NO
TROLLEY MOTOR HORSEPOWER	1/2
TROLLEY TRAVERSE LIMIT SWITCH	NO
ACCELERATION CONTROL	NO
MAINLINE CONTACTOR	NO
CONTROL PANEL MOUNTED	YES
ENCLOSURE TYPE	NEMA-4/12
EASY CONNECT	YES
SERIES	WORLD SERIES
CSA APPROVED (CANADIAN STANDARDS ASSOC.)	NO
BRIDGE KIT	YES

ACCELERATION CONTROL	NO
DROP STOPS	YES
BUMPERS	YES
WEATHER RESISTANT	NO
FINISH	BLUE ENAMEL
SERIES	800
HOIST MOTOR HORSEPOWER	4
TROLLEY MOTOR HORSEPOWER	1/2
EASY CONNECT	YES
BRIDGE KIT	YES
CSA APPROVED (CANADIAN STANDARDS ASSOC.)	NO

BRIDGEKIT	1	575 LB	BRIDGE GEARMOTORS AND
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Option	Selection
HOIST MOTOR HORSEPOWER	4
CRANE SPAN (FEET)	30' 6"
APPLICATION	SINGLE GIRDER CRANE
WHEEL TREAD DIAMETER	160MM
BRIDGE SPEED	100 FPM
FLANGE WIDTH	8-3/4" TO 11"
VOLTAGE	460V-3PH-60HZ
BRIDGE CONTROL TYPE	VARIABLE FREQUENCY
BRIDGE MOTOR HORSEPOWER (2)	1
BRIDGE WARNING DEVICE	NO
RADIO CONTROL	NO
PUSHBUTTON DROP (FEET)	18
CSA APPROVED (CANADIAN STANDARDS ASSOC.)	NO

160TSTRUCK	1	600 LB	160MM END TRUCK PAIR ASSEMBLY
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Option	Selection
WHEELBASE	4'6" (54")
CRANE RAIL	55#-105#, NOT 100# ASCE
CRANE BUMPERS	RUBBER SIZE 2
BRIDGE SPEED	100 FPM
VOLTAGE	460V-3PH-60HZ
BRIDGE CONTROL TYPE	VARIABLE FREQUENCY

E-mail Address:

the estimate proposal and marked up drawing will be sent to this address (Multiple e-mail addresses should be separated by a semi-colon)

MODIFY ESTIMATE
MODIFY OPTIONS
SUBMIT ESTIMATE

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16. If you are **NOT SATISFIED** with the results of your selections and you want to make modifications to the estimate or options, click either 'MODIFY ESTIMATE' or 'MODIFY OPTIONS' button

BRIDGE MOTOR HORSEPOWER 1
(2)
BRIDGE WARNING DEVICE NO
RADIO CONTROL NO
PUSHBUTTON DROP (FEET) 18
CSA APPROVED (CANADIAN STANDARDS ASSOC.) NO

160TSTRUCK 1 600 LB 160MM END TRUCK PAIR ASSEMBLY

Option	Selection
WHEELBASE	4'-6" (54")
CRANE RAIL	55#-105#, NOT 100# ASCE
CRANE BUMPERS	RUBBER SIZE 2
BRIDGE SPEED	100 FPM
VOLTAGE	460V-3PH-60HZ
BRIDGE CONTROL TYPE	VARIABLE FREQUENCY

E-mail Address:

the estimate proposal and marked up drawing will be sent to this address
(Multiple e-mail addresses should be separated by a semi-colon)

17. If you are **SATISFIED** with the results of your selections and options, then check to be sure your 'Email Address' is correct and then select the 'SUBMIT ESTIMATE' button

**** IMPORTANT:** The Printed screen or the emailed proposal / quote needs to be sent in with your fax when you order any Crane Kit using the Crane Estimator. This will give Customer Service a list of all the components plus the price.

18. When you select 'SUBMIT ESTIMATE' this screen will appear and it will display your 'Web Estimate Number'.

Crane Estimator User: Fran Altman Division: Lift Tech International Customer: Yale Hoists

Quote Number: Language:

Please do not use the Back button on your browser, use the navigation buttons instead.

Web Estimate Number: 2925

The information you have provided has been sent to the central server.
The estimate, proposal and drawing will be sent shortly to fran.altman@cmworks.com
To estimate another quote select the 'PRICING TOOLS and CRANE ESTIMATOR' from the menu.
Thank You.

19. You will receive an email shortly referencing this number with two attached files your Technical Summary / Price Proposal and your drawing. The 'Web Estimate Number' and your quote number will be listed in the 'Load an existing estimate' which was discussed in item #6 above.

20. When submitting a 'Crane Estimated' order to Customer Service be sure to include the Estimate number and the Proposal that is emailed to you. This is very helpful to customer service when inputting your order to ensure everything that was quoted in the crane estimator is included in your order.