



WINTER 2019



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# THE HEAVY LIFTERS



**Link-Belt**  
CRANES

OPERATING ENGINEERS 324



## Link-Belt's New 75RT Rough-Terrain Crane V-CALC ELEVATES SAFETY, OPERATOR DECISION MAKING



Link-Belt's new 75RT rough-terrain crane is the first Link-Belt equipped with V-CALC, short for Variable Confined Area Lifting Capabilities, which helps operators select the best outrigger configuration for any location. This new feature allows the crane operator to see the crane's lifting capacities based on how the outrigger beams are set.

Outriggers—which can be fully retracted, intermediate, or fully extended—can be set in pairs either from side to side or front to back, depending on space available. Once the outriggers are set in one of 12 different configurations, Link-Belt's Pulse 2.0 operating system provides previews that include workable areas and a percentage of the crane's real-time available capacity. The system will also show what's possible at the next five radiuses for a given boom angle.

This 75-ton rough terrain crane has a 142-foot full-power formed boom, providing outstanding reach for its tonnage class.

"In addition to unprecedented pick data, the 75RT includes an all-new operator's cab that offers increased comfort and improved visibility for safety and productivity," said Bob Weber, head of Columbus Equipment Company's Lifting Division. The tilting cab lifts the operator up to 20 degrees for increased visibility, he noted. Link-Belt's Vision camera package also helps operators monitor their work area with cameras that show a view of the right side of the upper, the main and auxiliary winch, and a backup view.

To keep operators comfortable and working longer, the cab includes a 10-inch touch-screen display for crane functions, upgraded climate control, a larger ergonomic seat, and increased interior lighting.

"In addition to unprecedented pick data, the 75RT includes an all-new operator's cab that offers increased comfort and improved visibility for safety and productivity."

Bob Weber, Head of Lifting Division, Columbus Equipment Company

Like all Link-Belt cranes, the 75RT is easy to tear down, assemble and transport. In fact, this rough terrain crane can transport fully equipped at less than 100,000 lbs. If you need to get it under 90,000 lbs., 14,500 lbs. of counterweight can be removed. With an overall height under 12-foot-3-inches, it can be driven right off a lowboy trailer and be ready to work as soon as the counterweight is assembled.

If you need a rough-terrain crane with long reach, excellent mobility and state-of-the-art operator systems, contact Columbus Equipment Company about the new Link-Belt 75RT today. ■

## New Link-Belt 175AT All-Terrain Crane INDUSTRY-LEADING PERFORMANCE, SAFETY AND COMFORT



Link-Belt's newest all-terrain crane, the 175AT, offers the best reach and capacity available with just two overflow loads, making it the most efficient and easiest-to-transport crane in its class.

"The 175AT has a more impressive chart than any competing cranes that have a similar two-load overflow, while being very easily transportable," noted Bob Weber, head of the Lifting Division at Columbus Equipment Company.

The crane can be moved in different configurations, depending on weight requirements, including a dolly configuration with several ways to stow the counterweights. It can also travel under 26,500 lbs. per axle with part of the counterweight on the crane and the boom over the front.

The 175AT also features upgraded and improved upper and lower cabs. The driver's cab is outfitted to improve efficiency and cut fatigue, including an air-ride seat with lumbar support and a more efficient climate control system to keep operators operating at peak performance. The operator seat has a commanding view of the worksite even in rainy weather, thanks to large sweeping wipers in the front and top.

Amenities such as Bluetooth radio, LED lighting and multi-function steering wheel keep operators comfortable. The new, roomier carrier cab also has space for two operators.

Link-Belt's Pulse 2.0 crane operating system puts all the features and controls the operator needs just a touch away via

a 10-inch touch-screen monitor. Pulse also gives operators 81 different asymmetrical outrigger positions so they can select the best one for the jobsite through the V-CALC function.

The 175AT also debuts a new safety feature from Link-Belt—a slip-resistant paint coating on all designated walking surfaces to minimize slips and falls. That feature joins the

"The 175AT has a more impressive chart than any competing cranes that have a similar two-load overflow, while being very easily transportable."

Bob Weber; Head of Lifting Division, Columbus Equipment Company

long list of safety improvements Link-Belt is known for, including a camera package that provides views to the right side of the upper, the main and auxiliary winch and a backup camera. Other safety innovations on Link-Belt cranes include a flat carrier deck and a lighting package for night operations.

Contact Columbus Equipment Company to learn more about how the new Link-Belt 175AT meets your needs for an all-terrain crane. ■





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## International Union of Operating Engineers, Local 324: LINK-BELT 298 SII HSL PERFECT OPERATOR PREPARATION



OE 324 second-year interns James Ratliff (left and above) and Cole Loffer (above, in the facility's Link-Belt 298) are put through their paces as part of the Joint Apprenticeship Training Fund (JATF) curriculum. Ratliff carefully places a personnel platform, while he and Loffer tandem maneuver a 22,000-lb. mock girder. JATF offers a comprehensive certification program for individuals on a construction-related career path.

Columbus Equipment Company has delivered a Link-Belt 298 HSL lattice crawler crane to Local 324 of the International Union of Operating Engineers. The local, which covers the state of Michigan, will use the crane for training offered through its Joint Apprenticeship Training Fund (JATF).

The new Link-Belt joins more than a dozen cranes that are used in Local 324's hoisting and civil engineering program for apprentice crane operations, said John Haberkorn, a hoisting and rigging instructor for the union.

Several features on the 298 Series 2 crane contributed to the purchase decision. "Our first and foremost reason was the safety features," Haberkorn said. Those features include wide, full-length walkways on the boom, and most of the operations required for assembly and disassembly can be completed in a much safer manner from the ground level.

Another reason for purchasing the Link-Belt was the new heavy-duty top section for conventional and luffing jib configuration. "This is our first luffer crane out here for training and it's very exciting," he noted. Students are instructed on how a luffing jib works in the classroom, but "the real value is the hands-on experience of sitting in the operator's seat learning the advantages and limitations of

a crane with a luffing jib attachment."

Versatility of machinery is important in training, he added. The 298 HSL scores top marks on this front because it can be used with a variety of counterweight configurations and boom lengths. "We can create scenarios where the crane is rigged for various job requirements."

The IUOE Local 324 training facility covers 555 acres and logs between 75,000 and 80,000 training hours annually.

The JATF also wanted a quality machine. "Link-Belt has a long-standing name. I've been around several in the field, and I'm a big fan," said Haberkorn, who has 26 years' experience in crane operation. "I really like the product, and so does our staff."

The training facility owns 15 cranes used for instruction, with everything from a fixed-cab carry deck to a tower crane. That total includes four Link-Belt crawler and rough



**"I asked for this crane specifically..."**

— Shawn Boydston, Superintendent, Big D Construction



**"It's our logical choice and tool."**

**"The big capacity and long reach is a big deal."**

**"The crane can reach a long way out from one place, pick a lot of material for the different crews, and still have a small footprint."**

**"We wanted the 110|RT on this project, knowing what it could accomplish."**

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Hoisting and Rigging Instructor John Haberkorn brings over 25 years of lifting experience to the JATF program. Today, he takes great pride in contributing to a program that nurtures the next generation of lifting professionals.

terrain cranes. The training center also occasionally rents other Link-Belts for specific training. “We give apprentices a good amount of exposure to Link-Belts, because we know they are going to experience them in the field,” he said.



With state-of-the-art systems and capabilities, the cab of the Link-Belt 298 provides an excellent learning environment.

Although Local 324 is located in Howell, Michigan, Columbus Equipment Company handled delivery of the unit because they wanted to use a union shop, and Columbus Equipment Company was the closest qualifying dealership. “Columbus Equipment Company has been a

real pleasure to deal with,” Haberkorn said. “[Crane product support specialists] Chuck Amnah and Steve Paul did the setup and they were great. The boom system is just out of prototype, and we were all basically learning, but Chuck and Steve have a great amount of background knowledge that came into play.”

“Link-Belt has a long-standing name. I really like the product, and so does our staff.”

John Haberkorn, Hoisting & Rigging Instructor  
International Union of Operating Engineers 324

The IUOE Local 324 training facility covers 555 acres and logs between 75,000 and 80,000 training hours annually, a metric that includes number of students and hours of instruction received. About 350 apprentices are enrolled, with around 100 of those in the hoisting program. The hoisting apprenticeship lasts for three years, with apprentices getting 600 total hours of training and 6,000 hours of experience in the field. The training facility and its programs are entirely funded by the 15,000 members of Local 324, with no state or federal funding involved.

In addition to training apprentices, the facility also offers training for journeymen. The hoisting team is already planning additional classes for the Link-Belt 298 which will include an assembly and disassembly class to embrace the newest technologies in the industry.

Visit [columbusequipment.com/news/videos](http://columbusequipment.com/news/videos) for more. 





# COLUMBUS EQUIPMENT COMPANY: LIFTING DIVISION CAREER OPPORTUNITIES

For over 65 years, Columbus Equipment Company has served Ohio contractors with world-class products and dedicated support. Recognized today as *Ohio's Dependable Dealer*, the company's commitment to employees and unmatched reputation for product support excellence extends across the State of Ohio, as well as the Midwest region.

Whether you're looking to embark upon a new career, or bring a wealth of experience to the table ...

Columbus Equipment Company's Lifting Division is now offering attractive benefit packages—and compelling career tracks—to those in search of technician/product support, sales and managerial positions.

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or [bridgetf@columbusequipment.com](mailto:bridgetf@columbusequipment.com) to explore these exciting opportunities.



## Comprehensive OSHA Inspections: YOUR CREWS' SAFETY DEPENDS ON THEM



With over 40 years in the business, Crane Product Support Specialist Chuck Amnah (left) and Columbus Equipment Company's team of highly-experienced, factory-certified technicians are a sure bet in ensuring your machine's compliance, and your crew's safety.

OSHA requires cranes to undergo inspections at various intervals—both monthly and annually—to ensure safe operation of the equipment. Hoisting machinery must be inspected by someone with thorough knowledge of the requirements, regulations and standards of operating the equipment. Since any problems uncovered by the inspection must be remedied before the crane can be operated again, the slower winter months are the preferred option for most crane owners to have the annual, OSHA inspection—and any repairs—performed.

As a result, Columbus Equipment Company gears up at this time of year for crane inspections that comply with all OSHA requirements. These inspections are conducted by fully-certified technicians—many of whom are certified Master Technicians—who have received extensive training on crane operation and safety as well as on diagnostics, maintenance and repair of cranes.

Our techs will perform a 138-point inspection of your crane, closely examining all wire rope and lifting accessories, hoist, turntable, boom and jibs. A check of all major drive components and hydraulic components is also included. You will receive a written report on the findings, to be kept with the machine's records, as required by OSHA. If any repairs are needed, the inspector will provide you with a detailed estimate of costs, and a recommendation on time

frames so you can budget and plan for any repairs.

While crane operators typically perform monthly inspections themselves, Columbus Equipment is also available to perform these checks, when needed. As a safety precaution,

Since any problems uncovered by the inspection must be remedied before the crane can be operated again, the slower winter months are the preferred option for most crane owners to have the annual, OSHA inspection—and any repairs—performed.

“owners typically prefer us to perform the monthly inspection if the crane has been sitting for a while,” notes Crane Product Support Specialist Chuck Amnah.

To schedule an OSHA-compliant inspection, simply call your local PSR or local Columbus Equipment branch service manager. Audits can be performed at your yard or jobsite. ■



## Rough Terrain Cranes

Models	Capacity US t (mt)	Boom Type & Length ft (m)	Height x Width x Length ft (m)	Maximum Tip Height ft (m)
RTC-8050 Series II	50 (50)	Full Power 4-Section 35.5 - 110 (10.8 - 33.5)	11.9 (3.65) x 10.3 (3.14) x 43.7 (13.34)	168 (51.2)
RTC-8065 Series II	65 (60)	Full Power 4-Section 38 - 115 (11.6 - 35.0)	12.2 (3.7) x 10.6 (3.2) x 45.5 (13.9)	211.6 (64.5)
75 RT	75 (70)	Full Power 5-Section 38 - 142 (11.6 - 43.3)	12.2 (3.7) x 10.6 (3.2) x 45.5 (13.9)	208.7 (63)
RTC-8090 Series II	90 (80)	Pin & Latch 5-Section 38 - 140 (11.6 - 42.7)	12.5 (3.82) x 10.75 (3.3) x 45.8 (13.9)	238.1 (72.6)
100 RT	100 (90)	Full Power 5-Section 40.6 - 155 (12.3 - 47.2)	12.9 (3.95) x 10.9 (3.3) x 48.4 (14.7)	237 (72.3)
110 RT	110 (100)	Pin & Latch 6-Section 38 - 164.1 (11.6 - 50)	12.9 (3.94) x 10.9 (3.33) x 45.98 (14.01)	261.7 (79.8)
RTC-80110 Series II	110 (100)	Full Power 5-Section 40 - 150 (12.2 - 45.7)	12.2 (3.71) x 9.9 (3.02) x 47.8 (14.58)	250 (76.2)
RTC-80130 Series II	130 (120)	Pin & Latch 5-Section 41.4 - 162 (12.6 - 49.3)	12.4 (3.78) x 9.8 (3.00) x 48.8 (14.88)	278 (84.7)
RTC-80160 Series II	160 (145)	Pin & Latch 6-Section 42.3 - 195.3 (12.9 - 59.5)	12.6 (3.8) x 9.8 (3.00) x 49.4 (14.75)	311 (94.8)

## Telescopic Truck Cranes

Models	Capacity US t (mt)	Boom Type & Length ft (m)	Maximum Tip Height ft (m)	Base Machine Weight w Std. Cwt. lb (kg)
HTC-8660 Series II	60 (50)	Full Power 4-Section 35.5 - 110 (10.8 - 33.5)	167 (50.9)	72,769 (33,007)
HTC-8675 Series II	75 (70)	Pin & Latch 4-Section 41 - 127 (12.5 - 38.7)	199 (60.7) - 230 (70.1)	85,276 (38,681)
HTC-86100	100 (85)	Pin & Latch 5-Section 38 - 140 (11.6 - 42.7)	205 (62.5) - 237 (72.2)	91,086 (41,316)
HTC-86110	110 (100)	Pin & Latch 6-Section 38.3 - 164.1 (11.7 - 50)	230 (70.1) - 262 (79.9)	99,440 (45,105)
HTC-3140 LB	140 (120)	Pin & Latch 6-Section 42.3 - 195.3 (12.9 - 59.5)	258 (78.6) - 311 (94.8)	108,618 (49,268)

## Truck Terrain Cranes

Models	Capacity US t (mt)	Boom Type & Length ft (m)	Maximum Tip Height ft (m)	Base Machine Weight w Std. Cwt. lb (kg)
HTT-8675 Series II	75 (70)	Pin & Latch 4-Section 41 - 127 (12.5 - 38.7)	199 (60.7) - 230 (70.1)	85,999 (39,006)
HTT-86100	100 (85)	Pin & Latch 5-Section 38 - 140 (11.6 - 42.7)	205 (62.5) - 237 (72.2)	91,758 (41,621)
HTT-86110	110 (100)	Pin & Latch 6-Section 38.3 - 164.1 (11.7 - 50)	230 (70.1) - 262 (79.9)	99,929 (45,327)

## All Terrain Cranes

Models	Capacity US t (mt)	Boom Type & Length ft (m)	Height x Width x Length ft (m)	Maximum Tip Height ft (m)
ATC-3210	210 (185)	Pin & Latch 6-Section 44.3 - 200.1 (13.5 - 61.1)	12.9 (3.9) x 9.8 (3.0) x 51.3 (15.6)	277.3 (84.5) - 326.7 (99.6)
ATC-3275	275 (250)	Pin & Latch 7-Section 43.7 - 223 (13.3 - 68)	12.9 (4.0) x 9.8 (3.0) x 52.8 (16.1)	301 (91.7) - 350 (106.7)

## Lattice Crawler Cranes

Models	Capacity US t (mt)	Crane Operating Weight lb (kg)	Boom Type & Length ft (m)	Maximum Boom & Jib Combinations ft (m)
138 HSL	80 (73)	145,403 (65,954)	Tube: 40 - 200 (12.19 - 60.96)	180 + 60 (54.86 + 18.29)
			Angle: 40 - 150 (12.19 - 45.72)	140 + 60 (45.72 + 18.29)
218 HSL	110 (100)	190,058 (86,209)	Tube: 40 - 230 (12.19 - 70.10)	200 + 75 (60.96 + 22.86)
			Angle: 45 - 155 (13.71 - 47.24)	-
228 HSL	130 (117)	235,041 (106,614)	Tube: 45 - 235 (13.72 - 71.65)	205 + 75 (62.5 + 22.86)
			Angle: 45 - 155 (13.71 - 47.24)	-
238 HSL	150 (137)	262,677 (119,148)	Tube: 50 - 260 (15.24 - 79.25)	230 + 80 (70.10 + 24.38)
248 HSL	200 (182)	270,130 (122,529)	Tube: 55 - 285 (16.76 - 86.86)	245 + 100 (74.68 + 30.48)
298 Series II	250 (227)	416,538 (188,938)	Tube: 60 - 290 (18.29 - 88.39)	250 + 90 (76.2 + 27.43)
348 Series II	300 (273)	516,178 (234,134)	Heavy Duty: 70 - 300 (21.3 - 91.4)	240 + 180 (73.15 + 54.86)
			Long Range: 85 - 355 (25.01 - 108.2)	160 + 210 + 80 (48.77 + 64.01 + 24.38)

## Telescopic Crawler Cranes

Models	Capacity US t (mt)	Boom Type & Length ft (m)	Height x Width x Length ft (m)	Op. Weight lb (kg)
TCC-500	50 (51)	Full Power 4-Section 35.6 - 110 (10.8 - 33.8)	9.9 (3.01) x 11.4 (4.12) x 45.4 (13.8)	99,750 (45,246)
TCC-750	75 (70)	Full Power 4-Section 38.6 - 115.6 (11.8 - 35.2)	10.8 (3.29) x 11.4 (3.48) x 48.8 (14.35)	145,000 (65,770)
TCC-1200	120 (110)	Full Power 5-Section 40 - 150 (12.2 - 45.7)	11.8 (3.6) x 11.9 (3.62) x 48.6 (14.81)	221,500 (100,471)
TCC-1400	140 (127)	Pin & Latch 6-Section 42.4 - 195.4 (12.92 - 59.5)	11.8 (3.6) x 11.9 (3.63) x 52.7 (16.06)	233,000 (105,823)
TCC-2500	250 (230)	Pin & Latch 7-Section 43.7 - 223 (13.3 - 68)	13.2 (4) x 23.7 (7.2) x 54.8 (16.7)	401,985 (182,327)





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