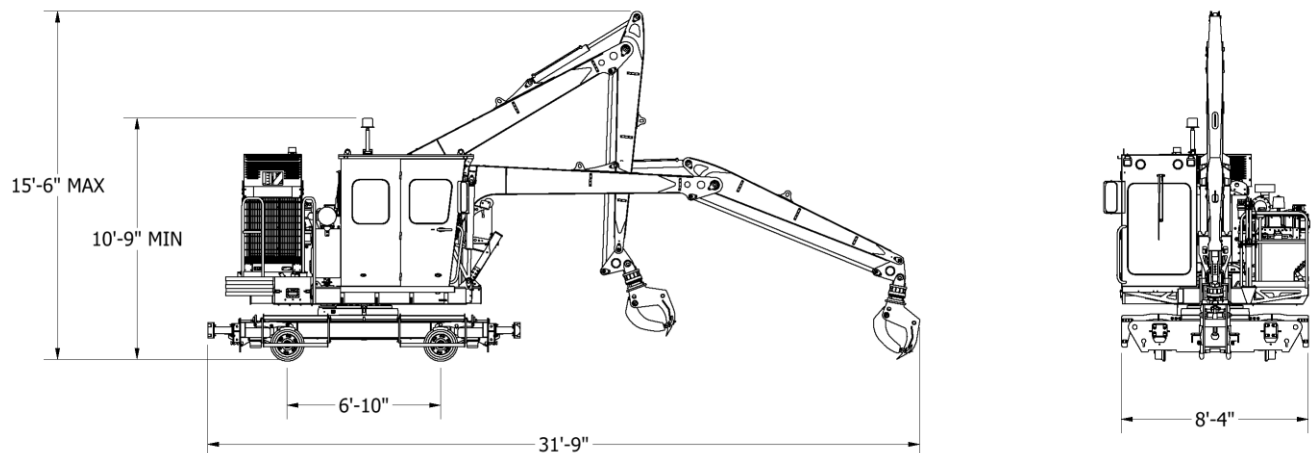


KTC1250 Tie Crane



Knox Kershaw's KTC1250 Tie Handling Crane is capable of handling 1,200 lbs. at a radius of 24 ft. from track centerline. The upper deck and tie grapple are capable of 360-degree rotation. Boom and grapple design provide the ability to handle ties quickly, with minimal manpower.

Boom: All-new, purpose-designed, curved boom reduces weight and stress concentrations while improving strength and work area visibility. Precision induction-hardened pins and case-hardened solid bushings maximize joint life; extra thick bosses improve resilience. One cylinder size powers both the root and dipper booms. Single tie grapple is standard.

Upper and Lower Decks: Structurally optimized decks are made from high-strength low-alloy steel (40% stronger than traditional structural steel). Pedestal mounts in both decks maximize slew bearing support. 3-point (upper) and 4-point (lower) lifting are standard.

Slew Drive: Slew ring, pinion, gearbox, and motor are integrated into single sealed unit for a perfect gear mesh and protection from the elements. The bearing uses 6 more mounting fasteners (with 25% more strength) than previous versions.

Locks: Hydraulic root boom and deck swing locks controlled from cab.

Propel System: Danfoss 100 cc H1 hydrostatic pump with dual Danfoss 500 cc OMV motors for 75% more torque to both axles. Double 80 roller chain and series-parallel circuitry are standard. 3" axles.

Wheels and Brakes: Demountable 16" cast steel wheels with insulation between the hub and wheel. Shunting kit available. Pneumatic brakes standard; hydraulic optional. Brakes can be field converted without modification to frame or cab.

Cab: New ergonomic console layout with increased headroom and seated clearance. A/C and heat standard; precise openings with seals maximize cab pressurization. Rearview camera with dedicated color display and rear wiper are standard.

Controls: Danfoss Plus+1 controller with color display for engine and machine monitoring. Customizable CAN joysticks and tunable machine performance. Reliable and expandable safety interlocks to protect operator and machine.



11211 Trackwork Street
Montgomery, AL 36117
334-387-5669; 334-387-4554 fax
www.knoxkershaw.com

KTC1250 Tie Crane

Hydraulic System: Danfoss load-sensing Series 45 pump (dedicated to boom and deck swing) reduces fuel consumption and heat generation. Dedicated polishing pump. Oil cooler with dual brushless fans maintains optimum operating temperature. Danfoss PVG32 pre-compensated valvebank with CAN operators for smooth control. Manifold assembly reduces auxiliary valve plumbing. Pressure filter is standard.

Engine Assembly: Cummins QSB4.5, 121 hp, Tier 4, 24 Volt

Maintenance and Accessibility: Two deck access points with steps and handrails for easy daily maintenance. Grease distribution system allows complete lubrication of the axle bearings, slew drive, and boom joints from three points. Improved access for drive chain and brake adjustment.

Hydraulic Tank: Unique shape minimizes footprint while maximizing capacity and contaminant separation. Diffuser baffle releases entrained air. Return filter, serviceable suction strainers, and moisture-blocking breather are standard.

Optional Equipment: Basket grapple, Two tie grapple, Spare grapple storage with manual winch, Lockable toolbox, Jack stands, Lifting shackles, Lighting packages, Bumper kit, Flail Brush cutter attachments, Hydraulic oil replenishment pump, Hydraulic test station, Tie cart, Tow bars with brake lines, Magnet, Window guards.

Weight and Dimensions:

24,000 lb (estimated)
31'-9" Max Length
15'-6" Max Height
8'-4" Max Width
74" Tail Swing

Capacities: Fuel Tank: 52 gal (197 L),
Hydraulic Tank: 96 gal (363 L)



Knox Kershaw Inc.

11211 Trackwork Street
Montgomery, AL 36117
334-387-5669; 334-387-4554 fax
www.knoxkershaw.com