

# KERSHAW 12-12 TIE CRANE

## OVERVIEW

The Kershaw® 12-12 Tie Crane has a maximum lifting capacity of 1200 lbs. (544 kg) at 25 ft. (7315 mm) from the center of the track. The upper deck and tie grapple are capable of 360° continuous rotation. Recent enhancements include Tier IV engines, redesigned upper and lower decks, enhancements to better accommodate hydraulic hosing and wiring and hydrostatic propel. Hydraulic brakes are offered as an option, eliminating the pneumatic system if desired.

## PERFORMANCE

**Frame:** Welded construction, lower frame is structural steel and 1" (25.4 mm) thick steel plate for the slewing ring support. Upper deck is structural steel and formed deck plates. Frame covered by Five (5) Year Warranty. Oversize 46 7/8 inch diameter slewing ring rated for 80,000 ft-lb. Remote grease fittings for slewing ring and axle bearings. 8-channel 6,000 psi hydraulic swivel is accessible from upper deck.

**Engine:** Caterpillar C4.4, 131hp @ 2200rpm, Tier IV final.

**Travel Speed:** 20 mph

**Wheels and Brakes:** 16" (406 mm) cast steel wheels. External, individual composite brake shoes applied directly on the vertical centerline of wheel tread. Service brakes are air applied, spring released. Emergency/parking brakes are spring applied, air released.

## SYSTEMS

**Electrical System:** 24 volt dc negative ground, 100 amp alternator, color coded and numbered wiring.

**Hydraulic System:** Hydrostatic propel pressure compensated piston type pump direct coupled to engine. Deck rotation by hydraulic motor through gearbox. Hydraulic oil is filtered through a 100 mesh (145 micron) suction screen and 10 micron return line filter. Manifold-type stack valves for improved serviceability. Remote oil cooler accessible from ground level with dual electric cooling fans. Electric emergency pump.

**Air System:** Air compressor, engine oil-lubricated, air-cooled; pressure - 100-120 psi (689-927 kPa), 15-gallon air tank.

## DIMENSIONS

Weight	23,000 lbs
Length	
Width	
Height	

## OTHER FEATURES

**Cab:** Large enclosed cab with 99.5 cubic foot capacity. Ergonomically designed seat. Large front windshield with an unobstructed view of boom operation through full range of motion. Hydraulic pilot-pressure bottom-ported joystick controls on operator seat with heat shields. Self-contained hydraulically driven air conditioner/heater/pressurizer unit mounted on rear wall of cab (roof mount optional). Remote controlled boom travel lock. Rubber suspension ladder steps. No service items located on cab roof on standard machine.

**Options:** Basket grapple; two tie grapple; timber grapple; concrete tie grapple; rail clamps; bridge crane package; timber crane package; boom winch; two-speed propel; boom-mounted flail mower.

