



Kershaw Bridge 12-12 Crane

Designed to perform bridge and open deck trestle work, the Model 12-12 Bridge Crane has maximum lifting capacity of 1200 lbs. (544 kg) at 24 ft. (7315 mm) from center of track. Upper deck and tie grapple are capable of 360° continuous rotation. The Bridge Crane is capable of handling bridge ties, caps, stringers and other bridge components.

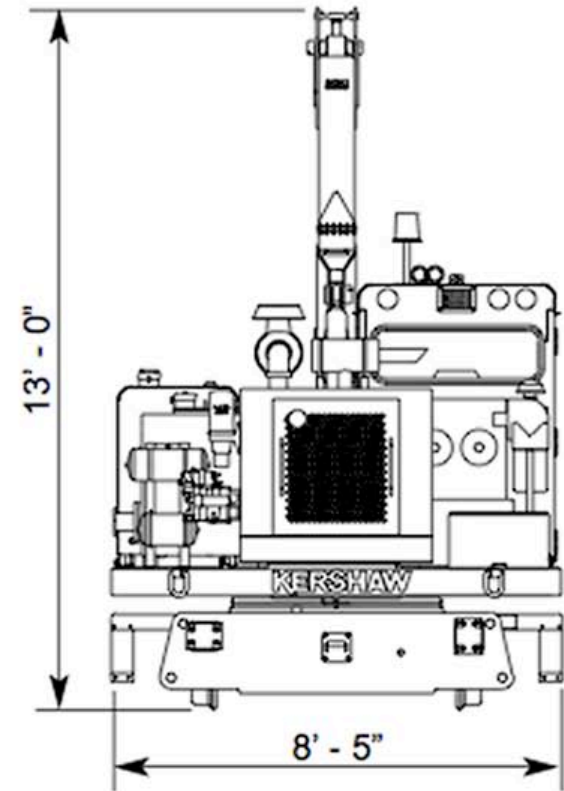
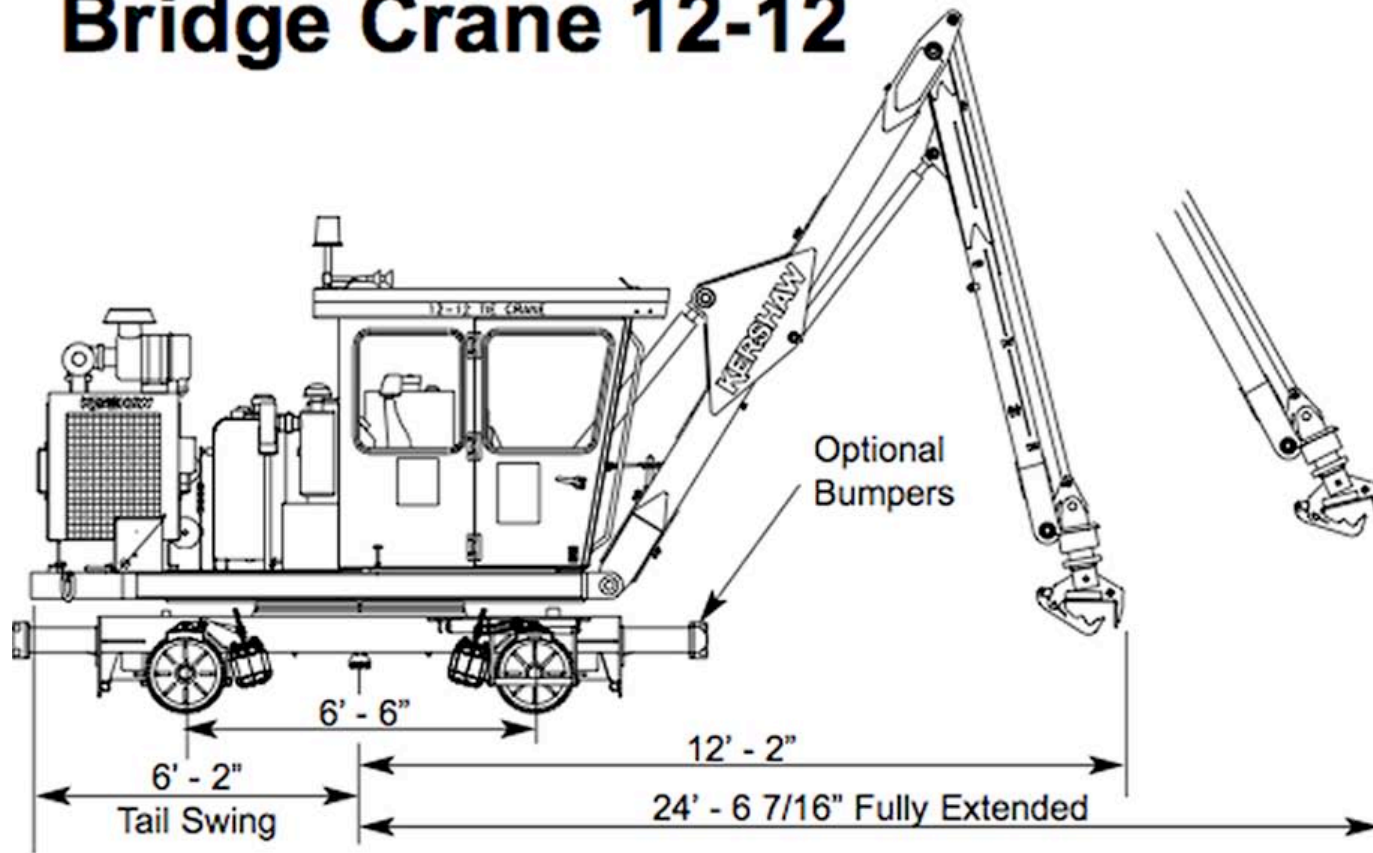
- The large roomy totally enclosed cab has 99.5 cubic foot of capacity. A wide front windshield allows unobstructed viewing of the boom operation through the full range of motion.
- Dual hydraulic propel drive motors provide quicker response and faster indexing at the job site. Each individual and independent motor drives a single 3 inch axle through #100 roller chain. Both motors are easily accessed from above at ground level for adjustments and maintenance.
- Hydraulic manifold-type stack valves provide superior serviceability with easily replaced solenoids and cartridges. All valves are easily accessible on upper deck.
- A remote-mounted hydraulic oil cooler insures trouble free operation and a long life for hydraulic components. The oil cooler features dual electric cooling fans. Forward mounting with unobstructed air flow allows maximum cooling benefits.
- The GV 12 Heavy Duty Grapple Rotator provides capacity to handle loads at full lifting capacity with trouble free operation. The direct drive hydraulic rotator eliminates mechanical drives and requires no adjustments and no maintenance.
- The swivel is mounted above the upper deck for easy access. Rated for 6,000 psi, the commercial grade swivel will give many years of leak-free trouble-free service.
- The 4,000 pound capacity winch easily handles caps and stringers within a radius of 10 feet from the track centerline.
- Upper deck is full 8 foot, 5 inches wide for easy open access to all components. Upper deck is covered by formed plate and includes a built-in counterweight.
- Center locking hydraulic rail clamps allow the operator to perform all crane operations under maximum safety conditions.
- The 12-12 is powered by a powerful 127 horsepower turbocharged diesel engine package. A pressure compensated hydraulic pump is direct coupled to the engine.



KERSHAW
a division of Progress Rail Services



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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 a 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, Tier III, 127 HP @ 2200 rpm.

Transmission and Axles: 3" (76 mm) diameter solid axles with chain drive from separate hydraulic motors driving both axles. Travel speed: 20 mph (32 km/hr). Two (2) propel drive motors for quicker response in work mode. #100 drive chain with hardened tooth sprockets.

Hydraulic System: 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.

Electrical System: 12 volt dc negative ground, 100 amp alternator, color coded and numbered wiring.

Air System: A 12 cfm (.34 m³/min) @1,250 rpm air compressor, engine oil lubricated, air-cooled; pressure - 110-120 psi (758-927 kPa), 613 cubic inches (10 liter) air tank.

Because of Kershaw's continuous desire to improve products, specifications and design are subject to change at any time and without notice and without incurring any obligation to incorporate these changes in previous models. Illustrations and photographs may include optional equipment and may not include standard equipment.

Cab: Large enclosed cab with 99.5 cubic foot capacity. Ergonomically designed seat. Large front windshield with 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.

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.

Capacities: Fuel: 75 gal. (284 liters), Hydraulic: 70 gal. (265 liters).

Weight: 18,000 lbs (8164.8 kg).

Boom: Ultra-wide 32 inch (813 mm) spread base root boom mount. GV-12 grapple rotator. Single tie grapple.

Optional Equipment: 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.