



Kershaw 44-2 Rotary Scarifier

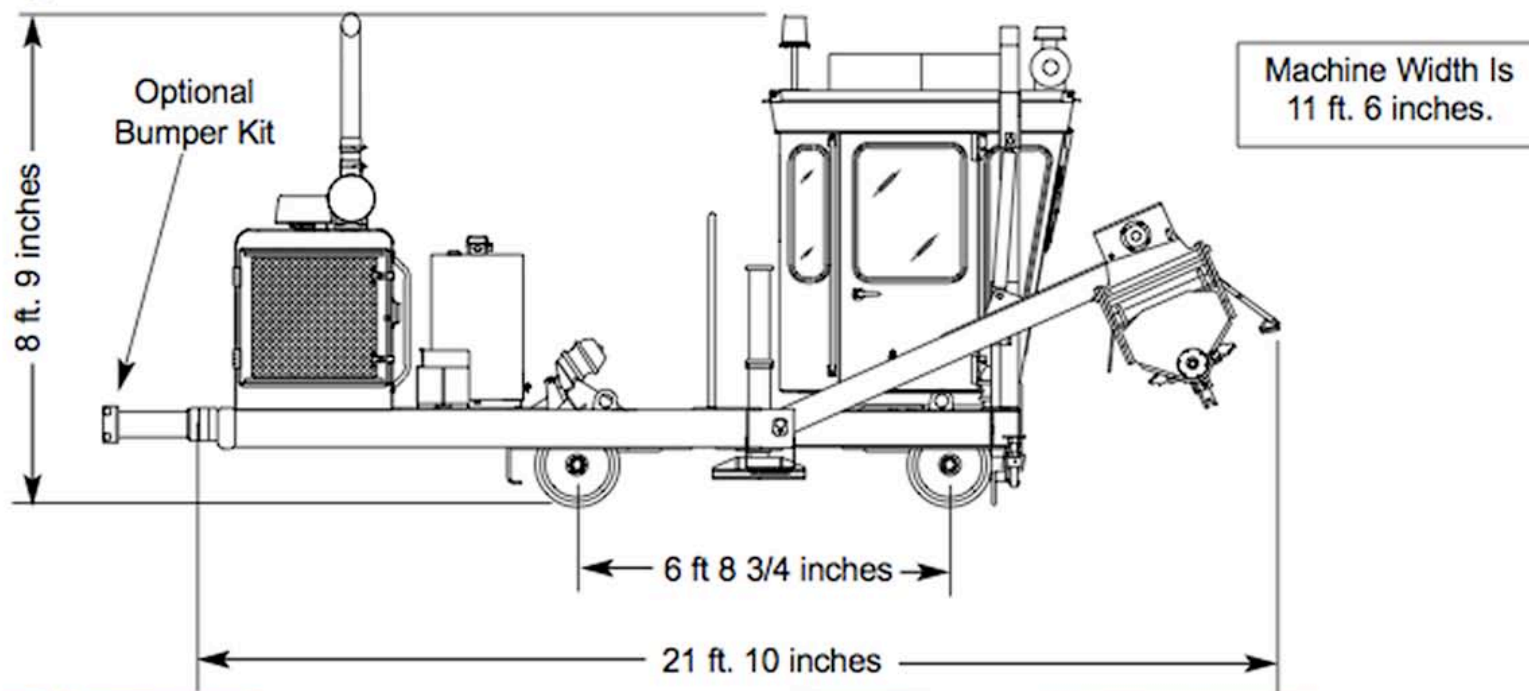
The Kershaw Model 44-2 Rotary Scarifier is designed to meet the requirements of those maintenance-of-way operations that prefer the rotary head method of preparing the tie bed for tie insertion. The Model 44 is self-propelled and will remove ballast, wood chips, and other debris from cribs where old ties have been removed.

- Three rotary toothed drums scarify between the rails and immediately adjacent to the outer edge of the rails for clearing a width of 9 feet 5 inches with the standard head.
- A standard equipment extension pivots into position and extends the digging capability on one side of the head out to 6 feet 3 inches from the track centerline or 12 feet 6 inches overall scarifying width.
- An optional additional extension provides a total of 7 feet 5 inches from the track centerline or an overall digging width of 14 feet 10 inches by using all of the extensions on both sides of the head.
- On the standard head, three rotary toothed drums scarify between the rails and immediately adjacent to the outer edge of the rails. The rotary drums feature double row tapered roller bearings for long bearing life.
- An optional hydraulically powered winch and special attachment allows on-the-spot tie insertion.
- The digging diameter is 21 inches. The drums can turn in either clockwise or counterclockwise direction at the choice of the operator.
- The method of driving is by three heavy duty chain and sprocket arrangements and a jackshaft which is driven by a hydraulic motor through a chain and sprocket drive.
- An optional feature allows cemented material left under the rail area to be removed by kicker feet located on the optional tie sweep assembly.





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Description: The Kershaw 44-2 Rotary Scarifier is a self propelled machine designed to remove ballast, wood chips, and other debris from the cribs where old ties have been removed.

Frame: The frame is off all welded construction using structural channel and formed plate.

Weight: 18,000 pounds.

Engine: Liquid cooled John Deere or Cummins diesel rated at approx. 85 hp.

Propel System: 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. Heavy duty axle bearings.

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

Electrical System: 12 volt dc negative ground. System maintained by engine driven alternator. Color coded and numbered wiring.

Hydraulic System: Pressure compensated piston type pump direct coupled to engine. 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. Electric emergency pump.

Capacities: Fuel: 70 gal, hydraulic: 60 gal.

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.

Cab: Large enclosed cab with 99.5 cubic foot capacity. Ergonomically designed seat. Large front windshield with unobstructed view of operation. 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).

Options: Non-insulated wheels, Rotary head extension, yard work head extension, tie inserter winch with sweeper/ kicker, rock axle kit, rear rubber padded bumpers.

Dimensions: Length: 21 feet, 10 inches; Width: 11 feet, 6 inches; Height: 8 feet, 9 inches.

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.