

TC-13 Trench Compactor



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21st Century Trench Compaction

This 1.3-ton compactor has been designed to redefine trench compactor reliability and operational safety. Equipped with a dependable liquid-cooled engine, heavy-duty battery, and stronger frame construction, the TC-13 is designed for all-day operation in the toughest applications. The entire operational system is controlled by a standard hand-held radio remote, eliminating the need for an operator to enter a trench while compacting. For the contractor focused on productivity, reliability and safety, the TC-13 is the compactor to count on.



TC-13 Trench Compactor

Specifications

TC-13 FEATURES

- Productive and maneuverable — high-engine horsepower, centrifugal force, drum traction and gradeability (54 percent theoretical) to ensure the TC-13 can get in and out of the toughest applications
- Achieves specified density requirements — heavy static weight 2,940 lb (1333 kg) combined with a low, center-mounted eccentric mechanism to generate 17,100 lb (76 kN) centrifugal force
- Skid steering allows complete turns within its own length
- Flush compaction along obstructions — superior frame design contains all componentry within its footprint
- Narrower-width applications with interchangeable 24-inch drums (optional equipment)
- The engine enclosure lifts easily for superior accessibility

RADIO REMOTE CONTROL

- The standard operating control for the TC-13 is a hand-held radio remote control which operates every function of the TC-13. It has an auxiliary set of controls, mounted on the rear of the compactor, which can be used for tramping. Powered by four AA batteries, the control eliminates any need for a battery charger.



MODEL

TC-13

MACHINE WEIGHT

Operating Weight lb (kg) 2,940 (1333)

DIMENSIONS

Overall Length in (mm) 72 (1829)
 Overall Width w/o Drums in (mm) 24 (610)
 Overall Height in (mm) 46 (1170)
 Side Clearance in (mm) 0 (0)
 Turning Radius in (mm) 0 (0)

DRUMS

Width — Standard in (mm) 33.5 (850)
 Width — Optional in (mm) 24.0 (610)
 Height of 72 Pads in (mm) .55 (14)
 Diameter Over Pads in (mm) 19.1 (485)

VIBRATION

Centrifugal Force lb (kN) 17,100 (76)
 Vibration Frequency vpm (Hz) 2,500 (41.6)
 Nominal Amplitude in (mm) .056 (1.4)

ENGINE

Make / Model / Type Kubota D722 liquid-cooled diesel
 Horsepower @ 3,600 rpm hp (kW) 18.9 (14.1)
 Number of Cylinders 3
 Electrical 12V, 40A
 Battery 800 CCA

PROPULSION

Type Hydrostatic, 4-drum drive
 Travel Speed
 Low — mph (km/h) 0 – 1.4 (0 – 2.2)
 High — mph (km/h) 0 – 4.2 (0 – 6.7)

BRAKES

Service Hydrostatic

MISCELLANEOUS

Fuel Capacity gal (L) 5.2 (19.7)
 Hydraulic Oil Capacity gal (L) 11 (41.6)
 Gradeability (theoretical) 54%

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OPTIONAL CONTROLS

- Joystick radio remote control with shoulder strap
- Joystick remote control with shoulder strap and 12-foot (3657 mm) umbilical cord

ADDITIONAL OPTIONS

- Strobe warning light
- 24-inch (610 mm) drums for narrow trenches
- Special paint

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