

# TC-13 Trench Compactor



## 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.



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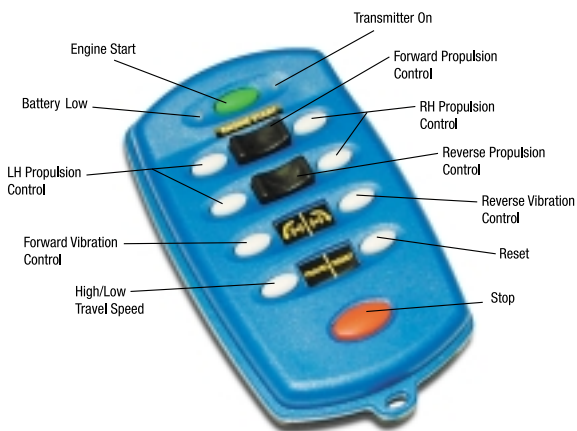
## Specifications

### 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
<b>MACHINE WEIGHT</b>	
Operating Weight lb (kg)	2,940 (1333)
<b>DIMENSIONS</b>	
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)
<b>DRUMS</b>	
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)
<b>VIBRATION</b>	
Centrifugal Force lb (kN)	17,100 (76)
Vibration Frequency vpm (Hz)	2,500 (41.6)
Nominal Amplitude in (mm)	.056 (1.4)
<b>ENGINE</b>	
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
<b>PROPULSION</b>	
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)
<b>BRAKES</b>	
Service	Hydrostatic
<b>MISCELLANEOUS</b>	
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