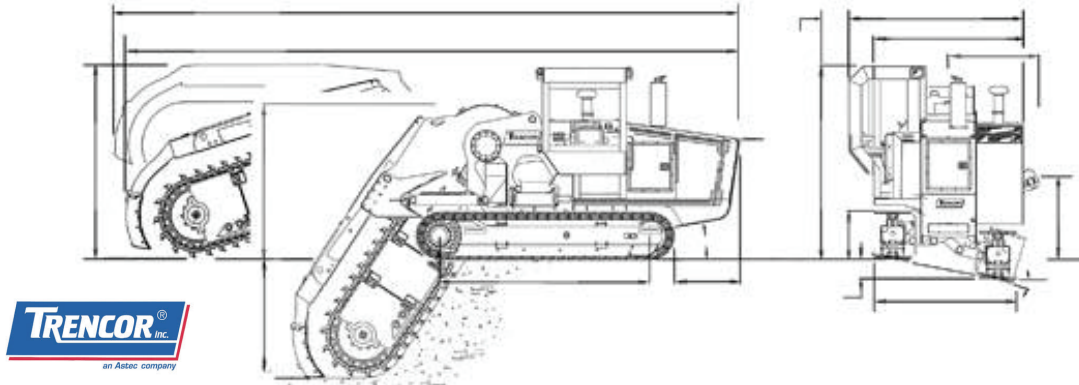


## Trencor Mechanical Drive Chain Trencher T765 Specifications



Operating Weight	Max Engine Output	Drive Type	Max Cutting Depth	Cutting Width Range
55,000 lbs / 25,000kg	250 hp / 187kw	Mechanical	8 ft / 2.4 m	12-30 in / 30-76 cm

### POWER UNIT

Cat C-9 turbo charged and after-cooled diesel engine, rated 250 hp (187 kW) @ 2,200 rpm. Two-stage air cleaner assembly. Remote mounted radiators and coolers with hydraulically driven fans.

### FUEL CAPACITY

130 gallon (492 L) capacity.  
Twin fuel filters and cab mounted fuel gauge.  
Approx. 12 gallons (45 L) per hour fuel consumption at maximum load.

### HYDRAULIC RESERVOIR

80 gallon (303 L) capacity.

### CONVEYOR

Arc type, dual motor, hydraulically driven 24" (61 cm) wide center-guided belt, infinitely variable in speeds from 0 to 1,000 fpm (5 m/s) in either direction. Hydraulically transversely shiftable for precise spoil placement selection. Optional 24" (61 cm) extension available.

### DIGGING CHAIN DRIVE ASSEMBLY

Mechanically driven through a computer-controlled multispeed power shift transmission with 3 - element torque converter, providing for six digging chain speeds; and fully enclosed and oil bath lubricated roller chain driving one side of the head shaft. Chain speeds: first range-181 fpm (55 m/min); 2nd range-255 fpm (77 m/min); 3rd range-355 fpm (108 m/min); 4th range-498 fpm (151 m/min); 5th range-722 fpm (220 m/min); 6th range-1010 fpm (308 m/min).

### ADDITIONAL STANDARD ITEMS

- Computer controlled transmission
- Bottom Tail Wheel Transition Wear Plates - replaceable abrasive resistant plate for increased boom life.
- Personnel Guard - covering the digging chain above when crumber assembly not used
- Work lights - (12 volt) installed 2 fore and 2 aft.
- Noise Abatement - noise absorbing material at engine and deflecting panels reduce ambient noise levels.

For Sales and Service, contact your local Trencor dealer: Trenchless Utility Equipment Inc.  
2070 Queensway Drive Burlington Ontario Ph: (905) 634-0669 Fax: (905) 634-6685  
info@trenchlessutility.com



**CRAWLERS**

B4 heavy duty components with 23.6" (60 cm) low profile triple grouser shoes, on a long frame for good stability and floatation, providing approximately 8.1 psi (.57 kg/cm<sup>2</sup>) ground bearing pressure with minimum width and depth digging assembly. Track adjusters are Caterpillar-type with recoil spring for constant tension. Crawler rollers are oil filled and sealed.

**OPTIONAL LEVELING SYSTEM**

Each track can be independently actuated through 10 degrees or 12" (30.5 cm) at the trackframe. In addition, the tracks are terrain following through an additional 10 degrees in either direction, giving a maximum of 20 degrees total motion at the grouser. The leveling system is automatic with manual override.

**CRAWLER DRIVE AND STEERING**

Dual speed track motors. Infinitely variable hydrostatic/mechanical system for speeds from 0 to 2 mph (3.2 km/h). Separate hydrostatic transmission for each track with electric over hydraulic steering controls and heavy-duty planetary gearbox direct coupled to track drive sprocket. Tracks may be counter-rotated for excellent maneuverability. An automatic parking brake is provided.

**OPERATOR'S STATION**

Operator is side positioned on right hand side to provide good visibility both fore and aft. All controls and operation gauges are control panel mounted for safe, positive and efficient operation. Diagnostic ports to check all hydraulic functions are conveniently grouped in one location.

**DIGGING ASSEMBLY**

Digging assembly equipped with 36" (92 cm) diameter tailwheel; replaceable abrasion resistant wear plates; heavy-duty roller type digging chains with hydraulic-adjuster to keep proper tension; cutter plates of T-1 steel with cup cutters or ASTEC heavy-duty tooth blocks and replaceable carbide-tipped teeth. Standard digging chain is heavy-duty 4.5" pitch, 310,000 lb. (140,000 kg) tensile strength roller chain for trench widths from 12" to 18" (25 - 46cm). One double strand of 4.5" pitch roller chain, rated at 590,000 lb (267,624 kg) is available for trench widths from 14" to 24" (36 - 61cm). Two single strands of 4.5" pitch roller chain are used for trench widths from 24" to 30" (61 - 76cm).

**BOOM HOIST**

Digging boom is elevated by double acting dual hydraulic cylinders mounted to the substructure. The hoist provides positive down-crowd, and optimum tailwheel clearance.

**DIGGING CAPACITY**

Trench depths: 4', 6', or 8' (1.22 m, 1.83 m, or 2.44 m).

Trench widths: 12" - 30" (30.5 - 76 cm) in 2" (5 cm) increments

**OPTIONAL AND EXTRA EQUIPMENT**

- Automatic track leveling • Tilt & level tracks • Laser interface • Operator's cab - air conditioned and pressurized • Berm scrapers-for both sides of trench (hydraulic) • Retractable crumb shoe • Power down crumb shoe • Edge drain package • Single or double grouser pads • 29.5" pads (fixed track only) • Muffler guard • 10" (25 cm) narrow cut • Truck loading conveyor • CE package

**APPROXIMATE WEIGHT**

55,000 - 65,000 lbs. (24,970 - 29,424 kg)

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