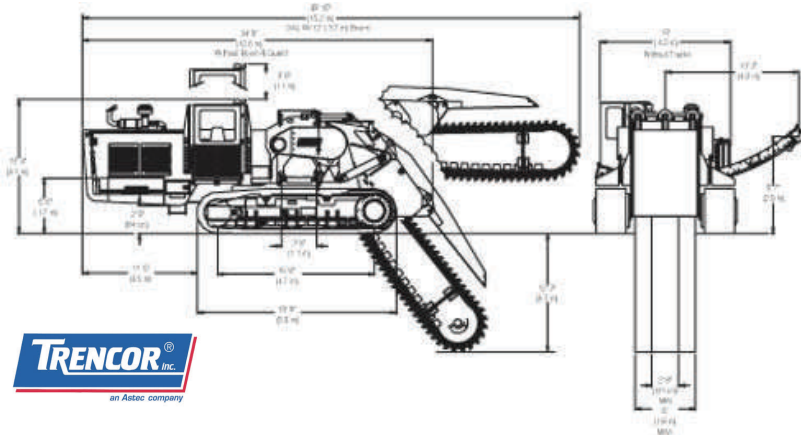


Trencor Mechanical Drive Chain Trencher T1660M Specifications



Operating Weight Max Engine Output

325,000 lbs / 147,395 kg 800 hp / 597 kw

Drive Type Max Cutting Depth

Mechanical 25 ft / 7.7 m

Cutting Width Range

16-72 in / 41-183 cm

POWER UNIT

Caterpillar® model C-27 turbo charged and after-cooled diesel engine, rated 800 hp (597 kW) @ 2,100 rpm. Two-stage air cleaner assembly; 24 volt electric start; cooling system for 125 degree (58°C) ambient temperature operation; muffler and tachometer.

DIGGING CHAIN DRIVE

The 11.2" (28.4 cm) headshaft is driven from both sides by a roller chain arrangement directly behind a heavy duty differential, which is powered by a power shift transmission with integral three-element torque converter. Four digging chain speeds are available to suit varied digging conditions. Chain speeds: 1st gear-221 fpm (70 m/min); 2nd gear-317 fpm (97 m/min); 3rd gear-411 fpm (125 m/min); 4th gear-536 fpm (163 m/min). All shafts, chains and bearings are designed to accommodate the full output of the torque converter and transmission in the stall condition (approx. 2.3 times normal operation torque). Roller chain tension is adjustable for both stages with eccentric hubs. All drive chains and sprockets are fully enclosed and oil bath lubricated.

DIGGING CHAIN

Caterpillar-style D-8 size digging chain for single-, double- and triple chain applications. Boom furnished with hydro-adjusters to maintain proper chain adjustment. Rectangular steel cutter bar plates of varying widths and thicknesses to which tooth holders are welded to accept rotating, conical, carbide-tipped digging teeth. Plates are bolted to digging chain. 48" (122 cm) diameter forged tailwheels with heavy-duty seals and bearings are standard. Boom equipped with replaceable, abrasive-resistant wear plates on top and bottom.

DIGGING BOOM

Six sizes of booms equipped depending on digging width selections:

- 16" - 20" (41 - 51 cm): single chain arrangement w/ 0" chain ctrs*
- 28" - 36" (71 - 91 cm): double chain arrangement w/ 12" chain ctrs*
- 32" - 42" (81 -107 cm): double chain arrangement w/ 16" chain ctrs
- 42" - 48" (107 -122 cm): double chain arrangement w/ 22" chain ctrs
- 54" - 60" (137 -152 cm): double chain arrangement w/ 32" chain ctrs.
- 62" - 72" (157 -183 cm): triple chain arrangement w/ 22" chain ctrs.

* Indicates SPECIAL ORDER ONLY items

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



DIGGING CAPACITY

Trench depths: 8' through 25' (2.44 through 7.7 m).

Trench widths: 16" - 72" (41 - 183 cm). Maximums are 48" (122 cm) wide through 25' (7.7 m) depth and 72" (183 cm) wide through 12' (3.7 m) depth.

FUEL CAPACITY

8' through 25' (2.44 through 7.7 m). 16" - 72" (41 - 183 cm). Maximums are 48" (122 cm) wide through 25' (7.7 m) depth and 72" (183 cm) wide through 12' (3.7 m) depth.

Dual tanks, 520 gallon (1968 L) capacity. Twin fuel filters and cab mounted fuel gauge. Approx. 38 gallons (146 L) per hour fuel consumption at maximum load.

HYDRAULIC RESERVOIR

330 gallon (1,250 L) capacity.

CONVEYOR

Arc type hydraulically driven 42" (107cm) wide center-guided belt, infinitely variable in speeds from 0 to 980 fpm (300 m/min) in either direction. Hydraulically transversely shiftable for precise spoil placement selection. End sections fold up for transport

COUNTERWEIGHT

Hydraulically extendable front counterweight helps maintain balance of machine while tramming or hoisting. Extends up to 56 inches (142 cm) for increased stability. Removable to facilitate transport.

CRAWLERS

Caterpillar-type 245C sized crawler components with 36" (92 cm) low profile double grouser shoes. Track adjusters are Caterpillar -type with recoil spring for constant tension. Crawler rollers are oil-filled and sealed. Each crawler assembly is removable to facilitate transport, and can be mounted in one of two positions to help balance the machine with various boom options.

CRAWLER DRIVE AND STEERING

Infinitely variable hydrostatic/mechanical system for speeds from 0 to 1 mph (1.6 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.

OPERATOR'S CAB

Fully enclosed, pressurized with climate control. All machine controls within easy reach of the operator. Elevates hydraulically 42" (107 cm) for increased operator visibility. Located on left hand side of the machine.

OPTIONAL AND EXTRA EQUIPMENT

Hydraulic fold-up crumber • Automatic laser control for grade • Automatic stringline control for grade and/or steering • RoadMiner® attachment • Various types and widths of track pads • Berm scrapers • Additional hoist capacity • Air compressor and lube equipment • Additional boom weight • Top rollers on boom

APPROXIMATE WEIGHT

275,000 - 325,000 lbs. (124,720 - 147,395 kg)

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