



1460HD™

Mechanical Drive Chain Trencher

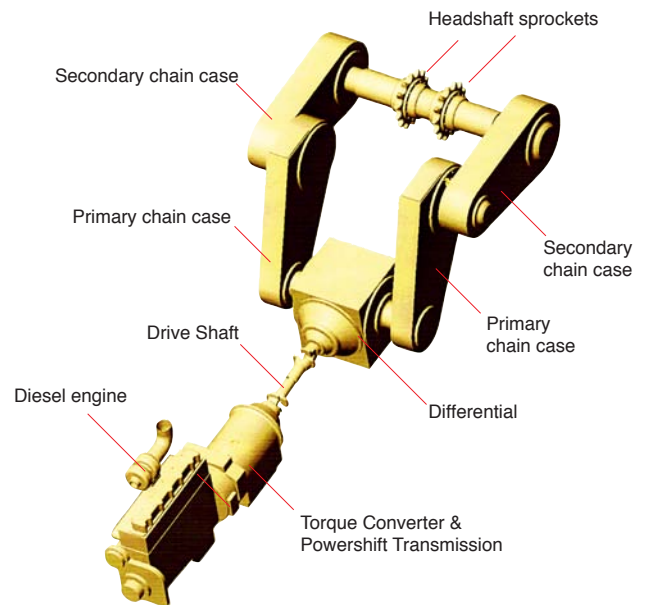


For Sales & Service Contact:
2070 Queensway
Burlington, ON L7R 4L9
Ph: (905) 634-0669



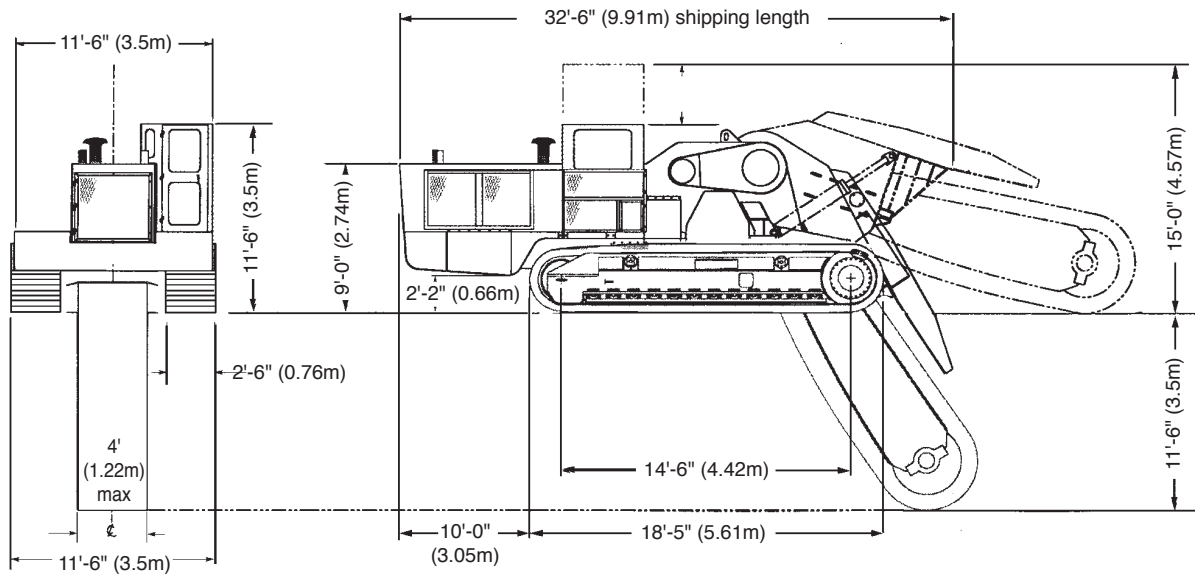
- **Mechanical power train with 600 hp**
- **Easy operation**
- **Rugged construction**

Maximum utilization of the 600 hp diesel engine provides optimal production in the toughest of conditions. Trencor uses a powershift transmission with torque converter to assure maximum torque to the digging chain. Strength and weight in all the right places provide smooth digging and exceptionally high uptime. State-of-the-art controls enable the operator to get the most out of the 1460HD in a safe, accurate manner. The cab elevates for excellent visibility.



The mechanical chain drive has proven to be much more rugged and trouble free than hydrostatic designs

Trencor 1460HD Specifications



POWER UNIT

Caterpillar® model 3408E turbo charged and after-cooled diesel engine, rated 600 hp (447kW) @ 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.

FUEL CAPACITY

Dual tanks, 350 gallon (1300 L) capacity. Twin fuel filters and cab mounted fuel gauge. Approx. 30 gallons (113.5 L) per hour fuel consumption at maximum load.

HYDRAULIC RESERVOIR

184 gallons (670 L) capacity.

CONVEYOR

Arc type hydraulically driven 36" (91cm) wide, center-guided belt, infinitely variable in speeds from 0 to 870 fpm (265 m/min) in either direction. Hydraulically transversely shiftable for precise spoil placement selection. An automatically-engaged anti-drift brake is provided on the shift mechanism.

DIGGING CHAIN DRIVE

The headshaft is driven from both sides by a two-stage roller chain arrangement directly behind a heavy duty Caterpillar® differential, which is powered by an Allison® power shift transmission with integral 3-element torque converter. Four digging chain speeds are available to suit varied digging conditions. Chain speeds: 1st gear-192 fpm (58.5 m/min); 2nd gear-256 fpm (78 m/min); 3rd gear-381 fpm (117 m/min); 4th gear-515 fpm (157 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-7 size digging chain for triple chain and D-8 size for single and double 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" (122cm) diameter tailwheels with heavy-duty seals and bearings. Boom equipped with

replaceable, abrasive-resistant wear plates on top and bottom. Top of boom equipped with carrier rollers to reduce chain drag and assist chain in shedding excavated material.

CRAWLERS

Caterpillar type D-7 size components with 30" (76cm) low profile double grouser shoes. Caterpillar® crawler idler/recoil assembly with double springs. Crawler rollers are oil filled and sealed. Each crawler assembly is removable to facilitate transport.

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. Tracks may be counter-rotated for good maneuverability. Easily adapted to automatic steering system, either laser or stringline. Steering is electric over hydraulic for excellent control.

OPERATOR'S CAB

Fully enclosed, pressurized with climate control. All machine controls within easy reach of the operator. Elevates hydraulically 44 inches (112cm) for increased operator visibility. Located on left hand side of the machine.

DIGGING BOOM

Various sizes of boom equipped depending on digging width selections:

- 14" through 18" (36 - 46cm): single chain arrangement
- 24" through 42" (46 - 107cm): double chain arrangement
- 32" through 48" (81 - 122cm): double chain arrangement

Boom can be sectionalized to adjust overall maximum digging depths to optimum length for maximum efficiency.

DIGGING CAPACITY

Trench depths: 8', through 18' (2.4m through 5.5m).

Trench widths: 14" - 48" (35 - 122cm). Maximums are 42" (106cm) wide at 18' (5.5m) depth and 48" (122cm) wide through 16' (4.9m) depth.

OPTIONAL AND EXTRA EQUIPMENT

- Hydraulic fold-up crumpler
- Automatic laser control for grade
- Automatic laser control for steering
- Work lights
- RoadMiner® attachment
- Various types and widths of track pads
- Cummins® engine option
- Berm scrapers
- Air compressor and lube equipment

APPROXIMATE WEIGHT

160,000 - 185,000 lb (72,000 - 84,000 kg)



Due to our continuing product improvement, specifications are subject to change without notice

Trencor, Inc. • 1400 E. Highway 26, Grapevine, Texas 76051, USA

Tel: 817-421-4500 • 800-527-6020 • Fax 817-421-9485

E-mail: info@trencor.com • http://www.trencor.com