

Vermeer®
HYDROSTATIC TRENCHER

T855



COMMANDER®

T855

A Tough Machine, Built to Last.

The Vermeer® T855 COMMANDER® hydrostatic trencher is your rugged rock-trenching solution. Designed specifically for operators in the 6' – 12' (1.8 m – 3.7 m) rock-trenching market, the T855 is a great choice for utility, water, and sewer contractors. At the heart of the T855 is a formidable 335 hp (250 kW) Caterpillar C-10 electronic engine that has the power to handle tough trenching jobs. The exclusive Vermeer Auto-Tilt Track matches the machine to terrain conditions to help keep your operation running smoothly. Combine these features with the TEC 2000.2® control system, a Rotary Power headshaft motor with splined headshaft, and the Vermeer worldwide dealer support network, and you'll see why Vermeer is the proven leader in heavy-duty rock-trenching applications.

A Heavy-Duty Rock-Trenching Solution.



The exclusive Vermeer Auto-Tilt Track utilizes an oscillating frame that allows the track to follow the ground's contour — ensuring a vertical trench on slopes up to a tilt trench angle of 9.3 degrees. The T855 COMMANDER is the only machine in its class with this feature.

HYDROSTATIC TRENCHER



A Rotary Power radial piston hydraulic motor and splined headshaft produce lower speeds and higher torque — providing you superior rock penetration and low chain wear for better production results.



Nonfolding 8' (2.4 m) or folding 13' (4.0 m) conveyors offer users maximum flexibility in choosing where the spoil is deposited. The 13' (4.0 m) length gives users the ability to fold the conveyor for easy clearance and storage.



TEC 2000.2 monitors operating conditions, measures full-range ground speed and headshaft speed, and informs the operator of real-time machine performance for increased productivity and reduced wear to the machine.

T855 Specifications

General

Approximate weight w/ largest boom and chain setup:
86,000 lb (39,010 kg)
Transport height: 129" (328 cm)
Transport width: 100" (254 cm)
Length w/ 10' (3.0 m) boom:
453" (1151 cm)
Ground clearance: 9.7" (24.6 cm)
Angle of approach: 20°
Ground-bearing pressure: 15 psi (1 bar)

Hydraulic System

Type: Pressure and flow-compensated (load-sensing)
Pump-flow max: 27 gpm (102 L/min)
Pressure setting: 2500 psi (172 bar)
Oil-tank capacity: 145 gal (549 L)
Oil type: Vermeer HyPower 68
HyPower 100 (optional)

Options

Vantage Track: 3- or 5-year / 3000- or 5000-hour Extended-Care Service Program
Rigid tracks
Hydraulic dirt drags
Terrain-leveler attachment:
Width of cut — 8.5' (2.5 m)
Depth of cut — 31" (78.7 cm)

Engine

Model: Caterpillar C-10 Electronic
Aspiration: Turbocharged and air-to-air aftercooled (ATAAC)
Number of cylinders: 6
Max no-load rpm: 2250
Max gross hp @ full-load rpm:
335 hp (250 kW) @ 2100 rpm
Cooling medium: Liquid
Air cleaner: Dry-type, exhaust-aspirated
Oil filter: Full-flow
Electrical system: 24 V
Fuel-tank capacity: 172 gal (651 L)
Fuel consumption @ full load:
16.3 gph (61.7 L/h)
Operating range: 10 hr

Conveyor

Type: Pressure and flow-compensated (load-sensing), one pump and two motors in series
Belt speed: 0 fpm — 900 fpm
(0 m/min — 274.3 m/min)
Conveyor belt width: 30" (76 cm)
Conveyor length: 8' (2.4 m) nonfolding;
13' (4.0 m) folding
Discharge height: 72.5" (184.2 cm)
Shift travel: 54.5" (138.4 cm)
Belt: Cleat or finger-type w/ side walls, center guide rib
Drive pulleys: Wing-type, self-cleaning

Controls

Electric over hydraulic
TEC 2000.2

Tracks

Auto self-level: Yes
Tilt track available: Yes
Tilt track max angle: 9.3°
Dual-path hydrostatic drive w/ planetary transmission capable of full counterrotation
Infinitely variable speed:
Transport low — 0 fpm — 89 fpm
(0 m/min — 27.1 m/min)
Transport high — 0 fpm — 177 fpm
(0 m/min — 53.9 m/min)
Digging — 0 fpm — 89 fpm
(0 m/min — 27.1 m/min)
Max tractive effort: 84,980 lb (38,547 kg)
Service brakes: Hydrostatic
Parking and secondary brakes:
Spring-applied, hydraulic-release wet-disc brakes
Length, centerline to centerline:
142" (361 cm)
Track-pad type:
Standard — double grouser w/ dirt relief
Optional — single grouser, triple grouser
Track-pad quantity: 52
Overall width: 98" (249 cm)
Track-chain type: D5
Track-chain pitch: 6.9" (17.5 cm)
Track-chain tensioning: Compressed coil spring w/ grease cylinder
Track-roller quantity: 10 per track
Track rollers: Sealed and lubricated

Trencher

Boom travel: Up — 8°; down — 53°
Digging chain: 4502 single, 4501 double
Cutters: Rotary, carbide-tipped
End-idler diameter: 40" (102 cm)
Boom bottom wear strips: Replaceable
Digging chain drive sprocket: Split-type, hardened, bolt-on
Boom top rollers: Optional
Digging chain speed:
High-speed motor w/ 17 tooth sprockets
407 fpm — 581 fpm
(124.1 m/min — 177.1 m/min)
High-speed motor w/ 15 tooth sprockets
360 fpm — 514 fpm
(109.7 m/min — 156.7 m/min)
Low-speed motor w/ 17 tooth sprockets
340 fpm — 486 fpm
(103.6 m/min — 148.1 m/min)
Low-speed motor w/ 15 tooth sprockets
301 fpm — 430 fpm
(91.7 m/min — 131.1 m/min)
Headshaft bearings: Oil-filled double-spherical roller bearings w/ Duo-Cone face seals
Pull-ring assembly: Integral to main frame
Max boom options:
6' x 36" (1.8 m x 91 cm) 4501 chain;
8' x 36" (2.4 m x 91 cm) 4501 chain;
10' x 30" (3.0 m x 76 cm) 4501 chain;
12' x 26" (3.7 m x 66 cm) 4501 chain

Your Complete Global Service Provider for Quality Parts and Service.



Get the parts and service edge. In addition to providing quality equipment, Vermeer delivers top-quality parts and superior services. Vermeer parts are manufactured to exacting specifications to help keep your Vermeer equipment running trouble-free and at OEM specifications.



Vermeer offers factory-certified training programs to its dealer network to ensure that the most current service procedures are presented to the service personnel of your Vermeer dealer.



Standard Warranty / Vantage Track / Vantage Track II. Vermeer has confidence in its track trenchers. That's why Vermeer offers a 1-year / 1000-hour standard limited warranty on the T855.

Vantage Track offers a 3-year / 3000-hour Extended-Care Service Program for the components of the closed-loop hydrostatic systems.

Vantage Track II offers a 5-year / 5000-hour Extended-Care Service Program for the components of the closed-loop hydrostatic systems.

Vermeer®

Vermeer Manufacturing Company

1210 Vermeer Road East
P.O. Box 200
Pella, Iowa 50219 U.S.A.
Phone: (641) 628-3141
Fax: (641) 621-7734
International fax: +1 (641) 621-7730
www.vermeer.com

Call toll-free 1-888-VERMEER
1-888-837-6337 (U.S.A. only)

Europe, Middle East and Africa:

P.O. Box 323
4460 AS Goes
Netherlands
Phone: +31 113 272700
Fax: +31 113 272727

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