

Vermeer®

Hydrostatic Trencher

T858



COMMANDER

COMMANDER®

T858

It's a Big Machine with a Bad Attitude

The Vermeer® T858 COMMANDER® 3 hydrostatic trencher is a rugged rock-trenching solution. Within its class of track trenchers, the T858 is the only offset trencher with a curved conveyor belt. This allows for better spoil discharge up to 54" (137 cm) in height with slower belt speeds. The T858 offset capability gives utility, water, and sewer contractors the additional access to trench alongside jobsite obstacles such as guardrails, curbsides, buildings, and walls with greater ease and precision.

Put the T858's 350 hp (261 kW) Caterpillar™ C9 Tier 3 engine to the test on even the toughest trenching jobs. The Vermeer Auto-tilt Track system utilizes an oscillating frame that allows the track to follow the ground's contour, ensuring a vertical trench on slopes up to 10 degrees. Combine these features with the TEC 2000.2® and the Murphy PowerView™ electronic monitoring system, a Rotary Power™ headshaft motor, and the Vermeer worldwide dealer support network, and you'll see why Vermeer is the proven leader in trenching applications.

When You Demand Solid Results



Hydrostatic Trencher



Murphy PowerView. The Murphy PowerView system monitors engine function which provides advanced diagnostic capability of the electronically controlled engine. This supplies the operator with data needed to maximize trenching efficiency.



Elevating cab. The T858 features an elevating cab and provides the best visibility of the trench and spoil of any Vermeer offset machine. The ROM cab structure can be mounted on either side of the machine and provides superior protection for the operator.



Large hydrostatic headshaft motor. The high torque headshaft motor is designed for transmission of full horsepower 100 percent of the time.

Chain speed variability.

A hydrostatic transmission provides a more precise range of cutting speeds, allowing the operator to better match the machine to the conditions.

T858 COMMANDER 3 Specifications

Transport Dimensions

Approach angle: 17°
Height: 132" (335.3 cm)
Length: 350" (889 cm) w/ no boom;
475" (1207 cm) w/ 6' (2 m) boom;
504" (1280 cm) w/ 8' (2 m) boom;
1207 cm w/ 6' boom, 1280 cm w/ 8' boom)
Weight range: 87,100 lb – 100,000 lb
(39,508 kg – 45,359 kg)
Width: 100" (254 cm)

Engine

Make and model: Cat C9 ACERT Tier 3
Gross horsepower: 350 hp (261 kW)
Rated engine rpm: 2200
Number of cylinders: 6
Fuel tank capacity: 280 gal (1060 L)
Operating range: 16 hr
Fuel consumption @ full load:
17.5 gph (66.2 L/h)
Max engine operating angle: 40°
Air cleaner: Dry-type exhaust-aspirated
Aspiration: Turbocharged and air-to-air
aftercooled (ATAAC)
Cooling medium: Liquid
Electrical system: 24 V DC
Oil filter: Full-flow

Tracks

Auto self-level: Yes
Ground pressure: 13 – 19 psi (90 – 130 kPa)
Tilt track available: Yes
Tilt track max angle: 15°
Track drive type: Dual-path hydrostatic
w/ planetary transmission
Track length: 147" (373 cm)
Track pad type: Single or double grouser
Track pad width: 20", 24" (51 cm, 61 cm)
Track size: D6
Travel speed max (high range): 205 fpm
(62.5 m/min)
Travel speed max (low range): 102 fpm
(31.1 m/min)
Parking and emergency brake: Spring-applied,
hydraulic release, wet disc brake
Service brakes: Hydrostatic

Conveyor

Belt width: 24" (61 cm)
Conveyor belt speed range: 0 – 1085 fpm
(0 – 331 m/min)
Conveyor belt style: Cleat or finger type,
sidewall, center guide rib
Conveyor length range: 96" (244 cm)
Conveyor shift available: Standard
Conveyor shift distance: 14" (35.6 cm)
Conveyor style: Curved
Discharge direction: Right or left
Discharge height range: 53" – 56"
(135 cm – 142 cm)

Cab

Air conditioner / heater: Standard
Air suspension seat: Yes
AM / FM stereo w/ weather band:
Optional w/ cab only
Elevating: Yes
Pressurized / filtered air: Yes
Roll Over Module (ROM): Yes

Hydraulic System

Oil tank capacity: 225 gal (852 L)
Oil type: Vermeer HyPower
Pressure setting: 2500 psi (172 bar)
Pump flow max: 30 gpm (114 L/m)
Type: Pressure and flow compensated
(load sensing)

Trencher Attachment

Boom depth options: 6', 8' (1.8 m, 2.4 m)
Boom top rollers: Optional
Chain speed range: 341 – 487 fpm
(104 – 148 m/min)
Cutting width range: 14" – 30"
(36 cm – 76 cm)
Digging chain size: 4502 single,
5501 single, or 4501 double
Idler diameter: 40" (102 cm)
Offset range – left of center: 32.5"
(82.5 cm)
Offset range – right of center: 32.5"
(82.5 cm)
Trencher drive type: 2 pumps and
1 motor hydrostatic



Offset capability. The T858 is the first in the 350 hp (261 kW) class of Vermeer hydrostatic trenchers with offset capabilities. Offset capability gives contractors the additional access to trench alongside jobsite obstacles.



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 / 1,000-hour standard limited warranty on the T858.

Vantage Track offers a 3-year / 3,000-hour Extended-Care Service Program for the components of the closed-loop hydrostatic systems.

Vantage Track II offers a 5-year / 5,000-hour Extended-Care Service Program for the components of the closed-loop hydrostatic systems.



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