

Vermeer®

Hydrostatic Trencher

T755



COMMANDER

**Added Weight for
Steady Performance**

The Vermeer® T755 COMMANDER® 3 stands firm even in the hardest digging conditions. This unit features the heavy-duty Vermeer D5 track that places 49,000 - 75,000 lbs (22,226 - 34,019.4 kg) of tractive force on the ground in heavy rock conditions, reducing the bounce common in lighter-weight competitive models. This results in smooth, reliable performance without excessive ground pressure.

A sectionalized boom on the T755 COMMANDER 3 allows the operator to match the boom length more closely to the job requirements. This results in better production, less vibration, and easier adjustments to match the boom length to the desired depth.

**When You Demand
Solid Results**

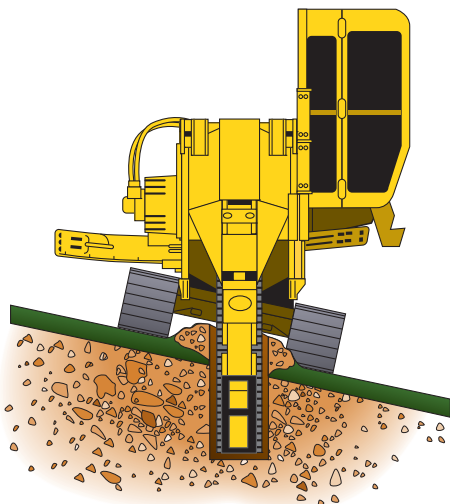
Hydrostatic Trencher



The industry's first ROM (Roll Over Module) elevating cab features LEXAN® glass, filtered and pressurized air, heating and air-conditioning, and allows a virtually unrestricted view of the boom, trench and conveyor.



The new TEC® Plus electronic control system features CAN bus technology, which utilizes multiple control modules located throughout the machine for real-time performance data and advanced troubleshooting capabilities.



T755 COMMANDER 3 Specifications

Transport Dimensions

Approach angle: 22°
Height: 10' (3 m)
Length with 40" (101.6 cm) end idler and 5' (1.5 m) boom: 28' (8.5 m)
Length with 40" (101.6 cm) end idler and 6' (1.8 m) boom: 29' (8.8 m)
Length with 40" (101.6 cm) end idler and 8' (2.4 m) boom: 31' (9.5 m)
Length with 40" (101.6 cm) end idler and 10' (3.1 m) boom: 34' (10.4 m)
Weight range: 49,000 lb – 75,000 lb (22,226 kg – 34,019.4 kg)
Width: 98" (248.9 cm) with 20" (50.8 cm) track pads; 102" (259.1 cm) with 24" (61 cm) track pads

Engine

Make and model: Caterpillar C9 ACERT Tier 3
Gross horsepower: 275 hp (205.1 kW)
Rated engine rpm: 2200
Number of cylinders: 6
Fuel tank capacity: 150 gal (567.8 L)
Operating range: 10.2 hr
Fuel consumption @ full load: 14.7 gph (55.5 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: Optional
Ground pressure: 8.9 – 12.5 psi (61.2 – 86.2 kPa)
Tilt track available: Yes
Tilt track max angle: 12°
Track drive type: Dual-path hydrostatic with planetary transmission
Track length: 11.8' (3.6 m)
Track pad type: Single, double, triple and polyurethane
Track pad width range: 20" or 24" (50.8 cm or 61 cm)
Track size: D5
Travel speed max (high range): 170 fpm (51.8 m/min)

The optional auto-tilt track, exclusive to the T755's weight class, utilizes an oscillating track frame that allows the track to follow the ground's contour — ensuring a vertical trench on slopes up to 10 degrees. Plus, the exclusive linkage design eliminates binding and improves depth control so operators can attack hills and slopes as never before.

Travel speed max (low range): 85.2 fpm (26 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 – 1180 fpm (0 – 359.7 m/min)
Conveyor belt style: Cleated or fingered, side-wall, center guide rib
Conveyor length: 96" or 144" (243.8 cm or 365.8 cm)
Conveyor shift available: Standard
Conveyor shift distance range: 0 – 14" (0 – 35.6 cm) with 96" (243.8 cm) conveyor; 0 – 62" (0 – 157.5 cm) with 144" (365.8 cm) conveyor
Conveyor style: Curved
Discharge direction: Right or left
Max discharge height: 55" (139.7 cm) with 96" (243.8 cm) conveyor; 68" (172.7 cm) with 144" (365.8 cm) conveyor

Cab

Air conditioner / heater: Standard
Air suspension seat: No
AM / FM stereo with weather band: Optional
Elevating: Yes
Pressurized / filtered air: Yes
Roll Over Module (ROM): Yes

Hydraulic System

Oil tank capacity: 114 gal (431.5 L)
Oil type: Vermeer HyPower 68 or HyPower 100
Pressure setting: 2500 psi (172.4 bar)
Pump flow max: 25.1 gpm (95 L/m)
Type: Pressure and flow compensated (load sensing)

Trencher Attachment

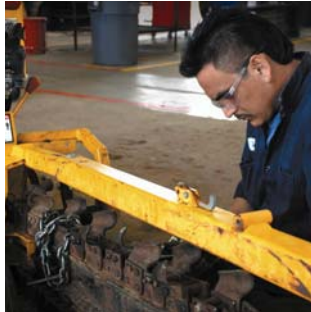
Boom depth options: 5', 6', 8', 10' (1.5 m, 1.8 m, 2.4 m, 3 m)
Sectionalized boom: Optional
Boom top rollers: Optional
Chain speed range: 397 – 724 fpm (121 – 220.7 m/min)
Cutting width range: 14" – 36" (35.6 cm – 91.4 cm)
Digging chain size: 4502 single, 5501 single, 4501 double
Idler diameter: 40" (101.6 cm)
Offset range — left of center: N/A
Offset range — right of center: N/A
Trencher drive type: 2 pumps and 1 motor hydrostatic



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Vermeer parts are designed and manufactured to original specifications, so whether they're new parts or replacement parts, they'll live up to the Vermeer name.



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