

Vermeer®

Hydrostatic Tractor

T1255



COMMANDER®

T1255

Toughness Meets Technology

The heavy-duty T1255 COMMANDER® 3 from Vermeer® packs the power you need to dig through solid rock to install large-diameter pipe for contractors working in the energy pipeline business or in deep sewer and water applications.

A Caterpillar C18 ACERT Tier 3 engine with 600 hp (447 kW) delivers the muscle needed for digging in rock, trenching cross-country, or working drainage and utility projects on roadways.

The T1255 COMMANDER® 3 rock trencher provides dual-path hydrostatic drive with full counter rotation, and the 36" (91 cm) wide conveyor is large enough for high-volume spoil removal. Dual Rotary Power headshaft motors and a splined headshaft produce lower speed and higher torque, delivering superior rock penetration and low chain wear for better production results. It also features high alloy, easy-access bottom boom wear strips, and optional boom-top rollers for increased digging chain life.

Rock-Solid Performance



Hydrostatic Tractor



Dual Rotary Power headshaft motors and a splined headshaft produce lower speed and higher torque, giving you superior rock penetration and low chain wear for better production results.



A 600 hp (447 kW) Caterpillar Tier 3 engine delivers the power needed to triumph over tough rock-trenching projects.



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.

T1255 COMMANDER 3 Specifications

Transport Dimensions

Approach angle: 15°
Height: 146" (370.8 cm)
Length: 350" – 703" (889 cm – 1786 cm)
Weight range (tractor only): 145,000 lb (65,771 kg)
Width: 134" – 156" (340 cm – 366 cm)

Engine

Make and model: Caterpillar C18 ACERT Tier 3
Gross horsepower: 600 hp (447 kW)
Rated engine rpm: 2100
Number of cylinders: 6
Fuel tank capacity: 370 gal (1400 L)
Operating range: 11.6 hr
Fuel consumption @ full load: 31.8 gph (120.4 L/h)
Max engine operating angle*: 45°
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
*Engine operating angle does not indicate safe machine operating angle

Tracks

Ground pressure: Trencher 16.4 psi (113 kPa)
Terrain leveler 21.7 psi (149 kPa)
Tilt track available: No
Tilt track max angle: N/A
Track drive type: Dual-path hydrostatic w/ planetary transmission
Track length: 176" (447 cm)
Track pad type: Double grouser w/ dirt relief, single grouser
Track pad width: 30" (76 cm)
Track size: Cat 375 Excavator
Travel speed max (high range): 110 fpm (33.5 m/min)
Travel speed max (low range): 41 fpm (12.5 m/min)
Parking and emergency brake: Spring-applied, hydraulic release, wet disc brake
Service brakes: Hydrostatic



The innovative Terrain Leveler Surface Excavation Machine offers unmatched production in a variety of applications, including surface mining, site preparation, over-burden removal, road construction/reconstruction, and soil remediation. The T1255 Terrain Leveler SEM can cut an area up to 12 feet (3.7 m) wide and up to 32 inches (81.2 cm) deep in a single pass.

Conveyor

Belt width: 36" (91.4 cm)
Conveyor belt speed range: 0 – 814 fpm (0 – 248 m/min)
Conveyor belt style: Fingered
Conveyor length: 180" or 240" (457 cm or 610 cm)
Conveyor shift available: Yes
Conveyor shift distance: 65" or 125" (165 cm or 318 cm)
Conveyor style: Curved
Discharge direction: Right or left
Discharge height range: 74" – 103" (188 cm – 262 cm)

Cab

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

Hydraulic System

Oil tank capacity: 210 gal (795 L)
Oil type: Vermeer HyPower 68 or Vermeer HyPower 100
Pressure setting: 2500 psi (172.4 bar)
Pump flow max: 28 gpm (106.4 L/min)
Type: Pressure and flow compensated (load sensing)

Trencher Attachment

Weight (tractor plus attachment): 220,000 lb (99,790 kg)
Boom depth options: 8', 10', 12', 14', 16', 18' (2.4 m, 3 m, 3.7 m, 4.3 m, 4.9 m, 5.5 m)
Boom top rollers: Optional
Chain speed range: 316 – 643 fpm (96 – 196 m/min)
Cutting width range: 30" – 48" (76 cm – 122 cm)
Digging chain size: 5501 double or D7 double (can 235)
Idler diameter: 40" (101 cm) or 50" (127 cm)
Offset range – left of center: N/A
Offset range – right of center: N/A
Trencher drive type: 4 pumps and 2 motors hydrostatic

Terrain Leveler® Surface Excavation Machine

Weight (tractor plus attachment): 243,000 lb (110,223 kg)
Left / right tilt: +/- 5° or +/- 6" (+/- 15 cm)
Max cutting depth: 27" (69 cm)
Cutting width: 144" (366 cm)
Drum speed (low): 281 – 401 fpm (86 – 122 m/min)
Drum speed (high): 411 – 587 fpm (125 – 179 m/min)
Laser acceptable: Yes
Digging chain size: 5501 or D8N
Drive type: 4 pumps and 2 motors 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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