

Vermeer®

Hydrostatic Tractor

RTX 1250



A New Breed of Crossovers

Lower ground pressure, increased traction, less ground disturbance, and greater stability are just some of the benefits of the Vermeer® RTX1250 tractor with an innovative quad track design. By increasing side-hill stability and flotation in soft or sandy soils, the unit's quad track system can help improve productivity by allowing you to work in a broader range of weather and ground conditions. The RTX1250 offers contractors the ability to switch between rubber tires or quad tracks depending on the job application.

The RTX1250 can be used for various applications — from rural water line to utility installations along railroads. A 120 hp (89 kW) Cummins turbocharged and charged air-cooled engine delivers a more aggressive torque curve.

This results in a 5 hp (4 kW) power bulge that allows the RTX1250 to run at maximum horsepower in work mode.

The RTX1250 is capable of trenching depths up to 72" (183 cm), and widths up to 18" (46 cm).

Attachments such as a trencher, plow, rockwheel, reel carrier, and backhoe make it easy to adapt the unit for any job.



Swiveling operator's console. Hydraulic controls rotate with the operator seat to enhance ease of operation and visibility of the rear attachment.



Interchangeable. The RTX1250 design allows the operator to switch between rubber tires or rubber quad tracks to match the unit to the job application and ground conditions.



Quad tracks. Features that are available on rubber tire units, such as tilt, four-wheel steer, and crab steering, are functional with the quad tracks. The quad track design has relatively no break-over point and maximizes tractive effort and stability by maintaining constant four-point ground contact.



Hydrostatic Tractor

Improved Traction, Greater Stability



120 hp (89 kW) engine with 5 hp (4 kW) bulge. As the engine drops from 2500 to 2300 rpm under load, horsepower increases to 125 (93 kW). This power bulge helps boost machine performance and productivity.



Optional auto-center rear-steering. With a push of a button, the auto-center rear-steering option allows operators to self-center the rear steerable track assemblies, making it easier to operate in confined work areas. Plus, time spent centering the rear tracks is reduced.

RTX1250 Attachments



Reel carrier. A 2.5" (6.4 cm) diameter reel shaft supports up to a 3000 lb (1361 kg) reel and offers ease loading capabilities.



Plow attachment. Attachment installs product up to 36" (91 cm) in depth with a maximum shaker force of 35,906 lb (16,287 kg) and a 30-degree swing angle.



Rockwheel. The hydrostatic driven rockwheel attachment has a maximum cutting depth of 40" (102 cm) and features dual discharge chutes.



Trencher. The hydrostatic driven center mount trencher has a maximum digging depth of 72" (183 cm) and width of 18" (46 cm).

Backhoe. Features a maximum digging depth of 107" (272 cm) with a swing arc of 180 degrees.

Backfill blade. The blade features an 80" width (203 cm) with a 30-degree swing angle and a tilt angle of 10 degrees.



RTX1250 Specifications

General

Weight (rubber quad tracks, tractor, and 6-way backfill blade): 13,620 lb (6178 kg)
Weight (rubber tires, tractor, and 6-way backfill blade): 9040 lb (4100 kg)
Length (rubber quad tracks or tires, tractor, and 6-way backfill blade): 152" (385 cm)
Width: 92.5" (235 cm)
Height (w/ roll bar): 109" (276 cm)
Wheelbase from centerline of axles: 76" (193 cm)
Tread width w/ rubber tires: 68" (173 cm)
Tread width w/ rubber quad tracks: 75" (191 cm)
Ground clearance: 14" (36 cm)

Capacities

Fuel tank: 38 gal (144 L)

Engine

Make and model: Cummins QSB4.5 TAA
Horsepower @ 2500 rpm (gross): 120 hp (89 kW)
Horsepower @ 2500 rpm (net): 110 hp (82 kW)
Torque (max @ 1500 rpm): 350 ft-lb (475 Nm)
Displacement: 275 cu in (4.5 L)
Number of cylinders: 4
Cooling medium: Liquid
Compression ratio: 17.2:1
Max engine operating angle (fore and aft): 37° up, 47° down
Max engine operating angle (left and right): 43°
Fuel type: Diesel
Air cleaner: Dry 2-stage w/ safety element

Hydraulics

Auxiliary gpm @ 2500 rpm: 18 gpm (68 L/min)
Auxiliary pump relief: 2500 psi (172 bar)
Ground drive gpm @ 2500 rpm: 30 gpm (115 L/min)
Ground drive relief: 6000 psi (414 bar)
Attachment pump gpm @ 2500 rpm: 66 gal (250 L/min)
Attachment pump relief trencher / FWD: 5500 psi (379 bar)
Attachment pump gpm trencher / FWD @ 2500 rpm: 66 gpm (250 L/min)
Attachment pump relief trencher / REV: 2900 psi (200 bar)
Attachment pump relief plow / REV: 2900 psi (200 bar)
Attachment pump relief rockwheel: 5500 psi (379 bar)
Hydraulic tank: 30 gal (114 L)

Ground Drive

Pump type: Hydrostatic
Creep override: Yes
Forward / reverse foot pedal control: Standard
Number of track assemblies (optional): 4
Ground pressure (rubber quad tracks w/ trencher and backhoe: 7 psi (.5 bar)
Ground pressure (rubber tires w/ trencher and backhoe: 20 psi (1 bar)
Tread width: 68" (173 cm)
Track length: 39" (99 cm)
Track pad type: Rubber
Track width: 18" (46 cm)

Tire/Track Option

Rubber quad tracks
Width: 18" (46 cm)
Length: 38" (97 cm)
Rubber tires
Dimensions: 38" x 18" x 20"
(97 cm x 46 cm x 51 cm)

Axle

Front type: Steerable planetary w/ differential lock
Rear type: Steerable planetary w/ differential lock
Outside turning diameter (rubber quad tracks, front steer only): 66' (20 m)
Outside turning diameter (rubber tires, front steer only): 40' (12 m)
Outside turning diameter (rubber quad tracks, front and rear steer): 42' (12.8 m)
Outside turning diameter (rubber tires, front and rear steer): 23' (7 m)

Brakes

Primary service: Hydrostatic
Secondary service: Hand-operated hydraulic
Parking: Spring-applied, hydraulic-release

Trencher

Weight w/o boom: 2170 lb (984 kg)
Max transport length: 87" (221 cm)
Trencher depth range: 0" – 72" (0 cm – 183 cm)
Trencher width range: 6" – 18" (15 cm – 46 cm)
Extension bracket weight w/ rubber quad tracks: 355 lb (161 kg)

Sliding Offset Trencher (rubber tire units only)

Weight w/o boom and chain: 37,060 lb (1664 kg)
Max offset: 27" (69 cm)

Sliding Offset Conveyor Trencher (rubber tire units only)

Weight w/o boom and chain: 4120 lb (1869 kg)
Max offset: 27" (69 cm)
Max spoil displacement from center of trench: 60" (152 cm)

Combo (rubber tire units only)

Plow drive: Hydrostatic
Plow cover depth: 30" (76 cm)
Trencher digging depth max: 60" (152 cm)
Trenching width (min 6"): 12" (30 cm)
Shaker force (max) @ 1800 rpm: 35,906 lb (16,287 kg)
Trencher drive: Hydrostatic
Trencher chain speed w/ 2134 chain: 671 fpm (205 m/min)
Trencher chain speed w/ 7600 chain: 716 fpm (218 m/min)

Plow

Weight w/o blade: 3600 lb (1633 kg)
Max transport length: 101" (256 cm)
Max transport height: 108" (274 cm)
Plow depth range (w/ rubber quad tracks): 42" (107 cm)
Plow depth range (w/ rubber tires): 36" (91 cm)
Type: Hydrostatic

Rockwheel

Weight (no teeth, 6" (15 cm) segments, 40" (102 cm) wheel): 6560 lb (2976 kg)
Max transport length: 133" (338 cm)
Max cutting depth: Up to 40" (102 cm)
Max cutting width: Up to 8" (20 cm)
Min cutting width: 4" (10 cm)
Drive type: Hydrostatic
Discharge chute position: Dual
Ground clearance in transport: 20" (51 cm)

Sliding Offset Rockwheel (rubber tire units only)

Weight (no teeth, 6" (15 cm) segments, 40" (102 cm) wheel): 8110 lb (3677 kg)
Max offset: 27" (69 cm)
Cutting depth options: 36" (91 cm) or 40" (102 cm)

Reel Carrier

Weight: 1182 lb (536 kg)
Max diameter reel w/ backfill blade: 96" (244 cm)
Max reel width: 54" (137 cm)
Reel shaft diameter: 2.5" (6 cm)
Capacity: 3000 lb (1361 kg)

Backhoe

Weight (w/ largest bucket): 1910 lb (866 kg)
Max transport height: 118" (300 cm)
Max digging depth: 107" (274 cm)
Swing arc: 180°

Backfill Blade

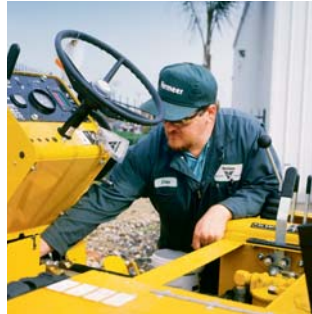
Weight: 645 lb (293 kg)
Width: 80" (203 cm)
Height: 16" (41 cm)



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