

Vermeer®

Hydrostatic
Trencher/Plow

RT 1250

**An innovative solution from
the legendary line of
Vermeer trenchers.**



RT1250

HYDROSTATIC TRENCHER/PLOW

Another Vermeer rubber tire trencher that digs - literally.



Don't reinvent the wheel. Improve it.

That's what Vermeer did with its new hydrostatic RT1250 trencher/plow. With the greatest horsepower in its class and an improved drive system for its rock wheel attachment, the RT1250 still has many of the same performance and operator features as the popular Vermeer V120. The RT1250 can be used for various trenching applications from rural water line installations to utility installations along railroads.

A 120 hp (89 kw) Cummins QSB3.9TAA turbocharged and charged air cooled engine has a more aggressive torque curve which accounts for a 5 hp power bulge. The power bulge allows the RT1250 to run at its maximum horsepower while the machine is in work mode. The RT1250 has the capability of trenching depths up to 72 inches (183 cm), and widths up to 18 inches (46 cm). And with its tight turn radius, the RT1250 can maneuver in confined work spaces.

All attachment controls on the RT1250 trencher's operator station are located within easy reach on the right side of the tractor. For added comfort, the operator's station rotates 90 degrees allowing the operator to select unlimited positions. The attachment controls rotate with the operator keeping them within easy reach at all times. The RT1250 also features automotive-style steering, a servo-controlled ground drive system and standard planetary axles.

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RT1250 Specifications

General

Weight (tractor and 6-way backfill blade): 8310 lb (3770 kg)
Length (tractor and 6-way backfill blade): 149.5" (380 cm)
Standard Width: 86" (205.7 cm)
Height (w/2 Post ROPS): 107" (272 cm)
Wheel base: 76" (193 cm)
Tread width: 68" (173 cm)
Ground clearance: 14" (36 cm)
ROPS: 2 or 4 post

Capacities

Fuel tank: 38 gal (144 L) or 31 g ???

Engine

Make and model: Cummins QSB3.9TAA turbocharged and charge air cooled
Horsepower at 2500 rpm (gross): 120 hp (89 kw)
Horsepower at 2500 rpm (net): 110 hp (82 kw)
Torque (max @ 1500 rpm): 350 ft-lb (475 Nm)
Displacement: 238 cu in (3.9 cu in)
Number of cylinders: 4
Cooling medium: Liquid
Compression ratio: 18:1
Max. engine operating angle (fore and aft): 45 degrees
Max. engine operating angle (left and right): 45 degrees
Fuel type: Diesel
Air cleaner: Dry two stage with safety element

Hydraulics

Auxiliary gpm @ 2500 rpm: 18 gpm (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)
Trencher pump relief: 5500 psi (379 bar)
Trencher pump gpm @ 2500 rpm: 66 gpm (250 L/min)
Hydraulic tank: 30 gal (114 L)

Ground Drive

Pump type: Hydrostatic
Creep override: Yes
Forward/reverse foot pedal control: Standard
Tires considered with travel speed: 38 x 18 - 20 14 ply tires
Travel speed max transit: 10.8 mph (17.4 km/h)

Axle

Front type: Steerable Planetary with Differential Lock
Rear type: Steerable Planetary with Differential Lock
Outside Turning Diameter (front steer only): 40' (12.2 m)
Outside Turning Diameter (front & rear steer): 23' (7 m)

Trencher Boom

Trencher depth range: 0" - 72" (0 cm - 183 cm)
Trencher width range: 6" - 18" (15 cm - 46 cm)

Brakes

Primary Service: Hydrostatic
Secondary Service: Hand-operated hydraulic
Parking: Spring-applied, hydraulic-released

Backfill Blade

Width: 80" (203 cm)
Height: 16" (41 cm)
Extension Beyond Tire (full angle): 7" (17.8 cm)

Backhoe Operation

Backhoe: B930A
Weight (w/out bucket): 1910 lb (866 kg)
Bucket width option #1: 12" (30 cm)
Bucket width option #2: 18" (46 cm)
Bucket width option #3: 24" (61 cm)
Maximum digging depth: 108" (274 cm)
Swing arc: 180 degrees
Reach: 158" (401 cm)
Standard remotes: Engine stop, engine start, blade lift, ground drive creep, and engine throttle