

Vermeer®

Hydrostatic
Trencher/Plow

RT 950

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



RT950

HYDROSTATIC TRENCHER/PLOW

Another Vermeer rubber tire trencher that digs - literally.

The RT950 ride-on trencher is yet another innovative solution from the legendary line of Vermeer trenchers. Built using the same performance and operator features of the Vermeer V8550A, the RT950 has more horsepower to help increase job site efficiency. Municipalities, utility providers, utility contractors, rental stores, and road construction contractors will benefit from the trenching and plowing performance of the RT950.



A 99 HP (74 kw) Cummins B4.5T Turbocharged engine powers the utility trencher/plow that has the capability of trenching depths up to 72 inches (183 cm), the RT950 can trench widths up to 18 inches (46 cm). And with its tight turn radius, the RT950 can maneuver in confined work spaces.

The RT950 is equipped with planetary axles and the operator can engage and disengage the differential locks when necessary. This feature helps distribute torque equally to all wheels so turf damage, axle stress, and tire wear are reduced.

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RT950 Specifications

General

Weight (tractor and 6-way backfill blade): 8160 lb (3701 kg)
Length (tractor and 6-way backfill blade): 149.5" (380 cm)
Width: 86" (218 cm)
Height (w/ two Post ROPS): 107" (272 cm)
Wheel base: 76" (117 cm)
Tread width: 68" (172.7 cm)
Ground clearance: 14" (36 cm)
ROPS: 2 or 4 post

Capacities

Fuel tank: 38 gal (144 L)

Engine

Make and model: Cummins B4.5T Turbocharged
Horsepower at 2500 rpm (gross): 99 hp (73.8 kw)
Horsepower at 2500 rpm (net): 91 hp (68 kw)
Torque (max @ 1500 rpm): 305 ft-lb (414 Nm)
Displacement: 275 cu in (4.5 L)
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 (68 L/min)
Auxiliary pump relief: 2500 psi (172 bar)
Ground drive gpm @ 2500 rpm: 30 gpm (115 L/min)
Ground drive relief: 5000 psi (345 bar)
Trencher pump relief: 6000 psi (414 bar)
Trencher pump gpm @ 2500 rpm: 49.5 gpm (187.4 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 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 (less 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

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