

Vermeer®

Utility Tractor

RT450



RT450

A Winning Combination of Convenience and Performance

With unmatched maneuverability, the RT450 is the equipment solution for rental customers, and gas, water / irrigation, cable and electrical contractors. Boasting the shortest turning radius in the industry with optional rear steer capabilities, this machine is well-equipped to get the job done.

Backed by a 42.2 hp (31.5 kW) Deutz engine, the RT450 delivers the power necessary to tackle tough jobs. In addition, the standard operator presence system automatically shuts down the engine when the operator leaves the seat. A set of LED lights, located on the dash, monitors air filter, engine, hydraulic system, and operator presence system allowing for reliable and efficient machine operation.

Control at your fingertips.
Standard remote controls include blade lift and engine start/stop. Creep control is optional.



Raising the standards.

Available on both center-mount and sliding-offset models, a radial piston trencher drive motor provides reliability and performance.



Readily accessible.

Color-coded grouped controls, positioned to the right side of the operator's station, contribute to ease of operation and boosting productivity.



Monitoring made easy.

The dash-mounted LED display constantly monitors the air cleaner, hydraulic system, engine, battery, and operator presence system.

The filter minder reflects air filter status by becoming increasingly more yellow in color as the filter becomes more restricted.



and Reliable Trenching



RT450 Specifications

General

Weight (tractor only): 3380 lb (1533.1 kg)
 Length (tractor and 6-way backfill blade): 97" (246.4 cm)
 Width: 58" (147.3 cm)
 Height (with roll bar): 85" (215.9 cm)
 Wheel base: 46" (116.8 cm)
 Tread width: 46" (116.8 cm)
 Ground clearance: 7.25" (18.4 cm)
 Rollover protective structure: 2-post

Capacities

Fuel tank: 14 gal (53 L)

Engine

Make and model: Deutz F3L2011
 Horsepower at 2500 rpm (gross): 42.2 hp (31.5 kW)
 Horsepower at 2500 rpm (net): 41 hp (30.5 kW)
 Torque (max @ 1700 rpm): 101 ft-lb (136.9 Nm)
 Displacement: 142 cu in (2.3 L)
 Number of cylinders: 3
 Cooling medium: Air/oil
 Compression ratio: 19 to 1
 Max engine operating angle (fore and aft): 25°*
 Max engine operating angle (left and right): 25°*
 Fuel type: Diesel
 Air cleaner: Dry with safety element
 Oil filter: Full flow

Hydraulics

Auxiliary gpm @ 2500 rpm: 11 gpm (41.6 L/min)
 Auxiliary pump relief: 2500 psi (172.4 bar)
 Ground drive gpm @ 2500 rpm: 30 gpm (113.6 L/min)
 Ground drive relief: 3625 psi (250 bar)
 Trencher pump relief: 4061 psi (280 bar)
 Trencher pump gpm @ 2500 rpm: 30 gpm (113.6 L/min)
 Hydraulic tank: 9 gal (34.1 L)

Ground Drive

Pump type: Hydrostatic
 Creep override: Yes
 Forward/reverse foot pedal control: Standard
 Tires considered with travel speed: 26 x 12 – 12 tires
 Travel speed auto/max transit: 4.4 mph (7.1 km/h)

Axle

Front type: Comer 68 Planetary
 Rear type: Comer 68 Planetary
 Differential (front): With or without LS
 Differential (rear): Rigid with LS or steerable with LS
 Turning radius (front only): 12.75' (3.9 m)
 Turning radius (front & rear): 9.5' (2.9 m)

Brakes

Service: Foot pedal – hydrostatic
 Parking: Hand lever – enclosed multi-disc wet

Plow

Weight (without blade): 900 lb (408.2 kg)
 Depth range: 0" - 24" (0 cm - 61 cm)
 Drive type: Hydrostatic

Trencher

Weight: 1160 lb (526.2 kg)
 Trencher depth range: 0" – 60" (0 cm – 152.4 cm)
 Trencher width range: 5" – 12" (12.7 cm – 30.5 cm)

Backfill Blade

Width: 54" (137.2 cm)
 Height: 15" (38.1 cm)
 Extension beyond tire (full angle): 7" (17.8 cm)

Backhoe

Weight: 1150 lb (521.6 kg)
 Bucket width option #1: 12" (30.5 cm)
 Bucket width option #2: 18" (45.7 cm)
 Max digging depth: 77" (195.6 cm)
 Swing arc: 170°
 Reach: 117" (297.2 cm)

*Engine operating angles do not indicate safe machine operating angles.

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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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