

# Vermeer®

Hydrostatic Tractor

# RTX450



## The Extended Work Season

The Vermeer® RTX450 is yet another example of an innovation that exhibits the Vermeer commitment to providing better solutions to its customers. The RTX450 provides customers with a high-performance ride-on unit ideal for installing irrigation systems on athletic fields and golf courses, and utilities in new and existing developments.

Equipped with rubber tracks, the RTX450 has the potential to improve contractor productivity because it can be utilized in a broader range of weather and ground conditions. Less ground disturbance and additional surface contact are additional benefits of rubber-track undercarriages. Rubber tracks provide increased side-hill stability, flotation in soft or sandy soils, and the ability to maneuver in tight spots.

The RTX450 includes a patent-pending rubber-track mounting system that allows the operator to optimize the rubber tracks position, based on the job application and the attachment.



**Operator comfort.**  
A center-mounted operator's seat provides a clear view of the surroundings, while the machine controls are conveniently located on the right side of the machine to simplify operation.

**Hydrostatic Tractor**

# **Stability, Versatility, Power**



**Track adjustment.**

*The patent-pending track-mounting system on the RTX450 allows owners to adjust the tracks to the optimal position, based on the job application and attachment needed. The track undercarriage also offers lower ground pressure, increased traction in certain ground conditions, and increased side-hill stability.*



**More power.**

*Powered by a 42 hp (32 kW) Deutz diesel engine, the RTX450 is capable of trenching depths up to 60 inches (152 cm) and widths up to 12 inches (30 cm) as well as plowing depths up to 24 inches (64 cm).*

## RTX450 Attachments



**Plow.** This attachment installs product up to 24 inches (64 cm) in depth.



**Sliding offset flex trencher.** The sliding offset flex trencher offers a maximum digging depth of 60 inches (152 cm) and width of 12 inches (30 cm).



**Backhoe.** The backhoe features a maximum digging depth of 76 inches (193 cm) with a swing arc of 170 degrees.

**Backfill blade.** The blade features a 64-inch extension (163 cm) width with a 30 degree swing angle and a tilt angle of 12 degrees.



# RTX450 Specifications

## General

Weight (tractor with 6-way backfill blade only): 4500 lb (2025 kg)  
Length (tractor and 6-way backfill blade): 97" (246 cm)  
Width: 63" (160 cm)  
Height (with roll bar): 88" (224 cm)  
Track base: 58" (147 cm)  
Track width: 15" (38 cm)  
Ground clearance: 9.5" (24 cm)  
Rollover Protective Structure: 2-post

## Capacities

Fuel tank: 14 gal (53 L)

## Engine

Make and model: Deutz F3L2011  
Horsepower @ 2500 rpm (gross): 42 hp (31 kW)  
Horsepower @ 2500 rpm (net): 41 hp (31 kW)  
Torque (max @ 1700 rpm): 101 ft-lb (137 Nm)  
Displacement: 142 cu in (2330 cu<sup>3</sup>)  
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

## Hydraulics

Auxiliary gpm @ 2500 rpm: 11 gpm (42 L/min)  
Auxiliary pump relief: 2500 psi (172 bar)  
Ground drive gpm (per side) @ 2500 rpm: 26.7 gpm (101 L/min)  
Ground drive relief: 5500 psi (380 bar)  
Trencher pump gpm @ 2500 rpm: 30 gpm (114 L/min)  
Trencher pump relief: 5000 psi (345 bar)  
Hydraulic tank: 14 gal (53 L)

## Ground Drive

Pump type: Dual hydrostatic  
Creep override: Yes  
Forward / reverse foot pedal control: Standard  
Travel speed transit: 6 mph (10 km/h)

## Brakes

Service: Foot pedal — hydrostatic  
Parking: Auto, spring-applied, hydraulic release

## Center-Mount Flex Trencher

Weight (with boom and chain): 1510 lb (685 kg)  
Max transport height: 98" (249 cm)  
Max transport length: 76" (198 cm)  
Trencher depth range: 0" – 60" (0 cm – 152 cm)  
Trencher width range: 5" – 12" (13 cm – 30 cm)  
Type: Hydrostatic

## Sliding Offset Flex Trencher

Weight (with boom and chain): 1610 lb (730 kg)  
Max transport height: 98" (249 cm)  
Max transport length: 86" (218 cm)  
Max offset: 24" (61 cm)  
Trencher depth range: 0" – 60" (0 cm – 152 cm)  
Trencher width range: 5" – 12" (13 cm – 30 cm)  
Type: Hydrostatic

## Plow

Weight (without blade): 1350 lb (612 kg)  
Max transport height (from bottom of mounting frame): 80" (203 cm)  
Max transport length (from center of frame mounting hole): 98" (249 cm)  
Plow depth range: Up to 24" (61 cm)  
Type: Hydraulic

## Backhoe

Weight with largest bucket: 1500 lb (680 kg)  
Max transport height: 97" (247 cm)  
Max reach (boom / dipper extended): 117" (298 cm)  
Max digging depth (flat bottom): 76" (193 cm)

## Backfill Blade

Width with extensions: 64" (163 cm)  
Height: 15" (38 cm)  
Extension beyond track (full angle): 7.5" (19 cm)

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



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