



Vermeer RTX550



The new RTX550 is the only 65-horsepower (48.4-kW) utility tractor available with rubber tires or the innovative rubber quad-track system, which provides increased tractive effort and maneuverability, greater stability and decreased surface and turf damage. This new offering also features the Vermeer-exclusive TrenchSense™ electronic control system that monitors engine rpm and automatically reacts when a sudden drop is detected to prevent stall or engine stop. The RTX550 fills an important niche, especially for secondary, shorter-run utility service installations where confined space is often a concern.

Specifications

General Dimensions and Weights

Weight (basic tractor, rubber tires):	5600 lbs (2540.1 kg)
Weight (basic tractor, rubber tires, option two):	5870 lbs (2662.6 kg)
Weight (basic tractor, tracks):	7800 lbs (3538 kg)
Length (basic tractor, rubber tires):	10.3 " (26.2 cm)
Length (basic tractor, rubber tires, option two):	10.4 " (26.4 cm)
Length (basic tractor, tracks):	10.9 " (27.7 cm)
Width (basic tractor, rubber tires):	72.4 " (183.9 cm)
Width (basic tractor, rubber tires, option two):	77.6 " (197.1 cm)
Width (basic tractor, tracks):	75.8 " (192.5 cm)
Height (basic tractor, rubber tires):	96.8 " (245.9 cm)
Height (basic tractor, rubber tires, option two):	98.2 " (249.4 cm)
Height (basic tractor, tracks):	100.2 " (254.5 cm)
Wheel Base (Centerline of Axles):	61 " (154.9 cm)
Tread Width with Rubber Tires (Centerline to Centerline):	57.4 " (145.8 cm)
Tread Width with Rubber Tires Option Two (Centerline to Centerline):	59.5 " (151.1 cm)
Tread width with rubber tires option three (centerline to centerline):	55.5 " (141 cm)
Ground Clearance (rubber tires):	8.8 " (22.4 cm)
Ground Clearance (rubber tires, option two) :	10.2 " (25.9 cm)
Ground Clearance (tracks):	12.2 " (31 cm)
Angle of approach (basic tractor, rubber tires):	20 deg
Angle of approach (basic tractor, rubber tires, option two) :	23 deg
Angle of approach (basic tractor, tracks):	30 deg

Engine Option One

Make and Model:	Deutz TD2.9
Manufacturer's gross hp rating:	67 hp (50 kw)
Maximum Torque:	173 ft-lb (234.6 Nm)
Number of Cylinders:	4
Cooling Medium:	Liquid
Maximum Operating Angle (Fore/Aft)*:	25 deg
Maximum Operating Angle (Left/Right)*:	25 deg
Fuel Type:	Diesel

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Emissions rating: Tier 4 Final

Guaranteed sound power (CE-rating): 109 dB(A)

Noise Level at Operator's Ear: 90 dB(A)

Engine Option Two

Make and Model: Cummins B3.3

Manufacturer's gross hp rating: 65 hp (48.5 kw)

Maximum Torque: 158 ft-lb (214.2 Nm)

Number of Cylinders: 4

Cooling Medium: Liquid

Maximum Operating Angle (Fore/Aft)*: 35 deg

Maximum Operating Angle (Left/Right)*: 35 deg

Fuel Type: Diesel

Emissions rating: Tier 4i (EI Stage IIIA)

Guaranteed sound power (CE-rating): 108 dB(A)

Noise Level at Operator's Ear: 90 dB(A)

Hydraulic System

Ground drive pump capacity: 31 gpm (117.3 L/min)

Ground drive pump relief: 4350 psi (299.9 bar)

Attachment pump capacity: 31 gpm (117.3 L/min)

Attachment pump relief: 5080 psi (350.3 bar)

Auxiliary pump capacity: 11.6 gpm (43.9 L/min)

Auxiliary pump relief: 2500 psi (172.4 bar)

Capacities

Fuel Tank: 27 gal (102.2 L)

Hydraulic Tank: 18 gal (68.1 L)

Hydraulic System: 20 gal (75.7 L)

Coolant: 3 gal (11.4 L)

Ground Drive - Rubber Tire

Maximum forward transport speed (high): 5.6 mph (9 km/h)

Maximum reverse transport speed (high): 5.6 mph (9 km/h)

Maximum forward creep speed (low): 2 mph (3.2 km/h)

Maximum reverse creep speed (low): 2 mph (3.2 km/h)

Tire size: 31" (78.7 cm)

Ground Drive - Rubber Tire Option Two

Maximum forward transport speed (high): 6.1 mph (9.8 km/h)

Maximum reverse transport speed (high): 6.1 mph (9.8 km/h)

Maximum forward creep speed (low): 2.2 mph (3.5 km/h)

Maximum reverse creep speed (low): 2.2 mph (3.5 km/h)

Tire size: 35" (88.9 cm)

Ground Drive - Tracks

Maximum forward transport speed (high): 4.1 mph (6.6 km/h)

Maximum reverse transport speed (high): 4.1 mph (6.6 km/h)

Maximum reverse creep speed (low): 1.7 mph (2.7 km/h)

Maximum forward creep speed (low): 1.7 mph (2.7 km/h)

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Axle Options

Front Axle Type: Steerable planetary

Rear Axle Type: Steerable planetary with gear box

Axle load rating (static, per axle): 11250 lbs (5102.9 kg)

Outside Turning Diameter (Rubber Tires, Front Steer Only): 29.8 ' (9.1 m)

Outside Turning Diameter (Rubber Tires Option Two, Front Steer Only): 30.3 ' (9.2 m)

Outside turning diameter (tracks, front steer only): 31.7 '

Outside Turning Diameter (Rubber Tires, Front and Rear Steer): 18.8 ' (5.7 m)

Outside Turning Diameter (Rubber Tires Option Two, Front and Rear Steer): 19.8 ' (6 m)

Outside turning diameter (tracks, front and rear steer): 20.1 '

Service Brake Type: Wet disc

Parking Brake Type: Spring-applied hydraulic release

Electrical System

System Voltage: 12 Volt

Battery CCA Rating: 950

Battery Group Class: 29H-VHD

Features

Display: DP10

Attachments

PT550

Specifications

Model Name: PT550

Drive Type: Hydrostatic

Length (Minimum Transport): 86 " (218.4 cm)

Shaker Force (Maximum RPM): 11300 lbs (5125.6 kg)

Maximum Plow Depth: 30 " (76.2 cm)

Maximum Trench Depth: 60 " (152.4 cm)

Maximum Trench Width: 8 " (20.3 cm)

Minimum Trench Width: 5 " (12.7 cm)

RW526

Specifications

Model Name: RW526

Drive Type: Hydrostatic

Weight (Without Teeth and Segments): 2480 lbs (1124.9 kg)

Length (Minimum Transport): 84.6 " (214.9 cm)

Ground Clearance (Maximum Transport): 22 " (55.9 cm)

Wheel Diameter: 66.3 " (168.3 cm)

Maximum Cutting Depth: 26 " (66 cm)

Maximum Cutting Width: 6 " (15.2 cm)

Minimum Cutting Width: 4 " (10.2 cm)

TR455

Specifications

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Model Name: TR455

Drive Type: Hydrostatic

Weight (48 " (121.92 cm) boom, no chain): 1210 lbs (548.8 kg)

Length (Minimum Transport): 76 " (193 cm)

Maximum Trench Depth: 60 " (152.4 cm)

Maximum Trench Width: 12 " (30.5 cm)

B550

Specifications

Model Name: B550

Weight (Without Bucket): 2030 lbs (920.8 kg)

Length (Transport): 68.1 " (173 cm)

Height (Transport): 112.8 " (286.5 cm)

Swing Arc: 170 deg

Bucket Rotation: 161 deg

Maximum Reach: 141.5 " (359.4 cm)

Maximum Digging Depth: 92 " (233.7 cm)

Maximum Digging Depth Flat Bottom: 92.3 " (234.4 cm)

RTX550 Backfill Blade

Specifications

Width: 79 " (200.7 cm)

Height: 14.6 " (37.1 cm)

Maximum Swing Angle: 30 deg

Maximum Lift Above Ground: 17 " (43.2 cm)

Maximum Drop Below Ground: 14 " (35.6 cm)

Maximum Tilt Angle: 12 deg

RC550

Specifications

Model Name: RC550

Weight: 560 lbs (254 kg)

Reel Shaft Diameter: 2.3 " (5.7 cm)

Maximum reel width: 45.8 " (116.2 cm)

Maximum Diameter Reel: 78 " (198.1 cm)

Capacity: 1500 lbs (680.4 kg)

SO455

Specifications

Model Name: SO455

Drive Type: Hydrostatic

Weight (48 " (121.92 cm) boom, no chain): 1520 lbs (689.5 kg)

Length (Minimum Transport): 81.7 " (207.5 cm)

Maximum Trench Depth: 60 " (152.4 cm)

Maximum Trench Width: 12 " (30.5 cm)

Maximum offset: 24 " (61 cm)

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VP550

Specifications

Model Name: VP550

Drive Type: Hydrostatic

Weight Without Blade: 1500 lbs (680.4 kg)

Length (Minimum Transport): 74.3 " (188.7 cm)

Shaker Force (Maximum RPM): 10700 lbs (4853.4 kg)

Maximum Plow Steer Angle: 30 deg

Maximum Swing Angle: 30 deg

Maximum Plow Depth (Rubber Tires): 24 " (61 cm)

Maximum Plow Depth (Tracks): 30 " (76.2 cm)

MTR12

Specifications

Weight: 560 lbs (254 kg)

Length: 69.4 " (176.3 cm)

Wheel Diameter: 35.1 " (89.2 cm)

Minimum Cutting Width: .8 " (1.9 cm)

Maximum Cutting Width: 2.3 " (5.7 cm)

Minimum Cutting Depth: 8 " (20.3 cm)

Maximum Cutting Depth: 12 " (30.5 cm)

Cutting Teeth Type: Yellow Jacket, Shark, Rotary

MTR16

Specifications

Weight: 560 lbs (254 kg)

Length: 73.3 " (186.2 cm)

Wheel Diameter: 43.1 " (109.5 cm)

Minimum Cutting Width: 1.3 " (3.2 cm)

Maximum Cutting Width: 2.3 " (5.7 cm)

Minimum Cutting Depth: 12 " (30.5 cm)

Maximum Cutting Depth: 16 " (40.6 cm)

Cutting Teeth Type: Yellow Jacket, Shark, Rotary

Features & Benefits

Feature: Quad track system

Description: The RTX550 is available with the innovative quad track system.

Benefit: When equipped with the Vermeer-introduced quad track system, the RTX550 offers improved flotation, reduced surface damage, increased tractive effort and greater stability. Four-wheel and crab steering are functional within the system.

Feature: Rubber tires

Description: The RTX550 is available with standard 31" (78.7 cm) tires or a 35" (88.9 cm) tire option.

Benefit: The 35" (88.9 cm) tire option is preferred when greater flotation is required, while the 31" (78.7 cm) option offers

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a more economical option or when a better fit for the application.

Feature: Common controls

Description: The RTX550 possesses the same common controls found across the entire RTX lineup.

Benefit: Common controls make it easier to move from one RTX tractor to the next, helping operators become more efficient and productive.

Feature: TrenchSense™ Electronic Control System

Description: When trenching in AutoCreep mode, the patent-pending TrenchSense system actively monitors engine rpm. If difficult ground conditions are encountered causing a sudden drop in engine rpm or the trencher chain to stop, the tractor automatically pauses forward creep and slightly backs up. The trencher chain also slightly reverses to dislodge any material. Once the engine recovers, the previously set engine rpm, forward chain motion and forward creep automatically resume.

Benefit: All occurring within a couple of seconds, the TrenchSense function can react faster than the operator to prevent engine stall/stop when difficult digging conditions are encountered. By eliminating the need to return controls to neutral and restart, productivity can be increased. Avoiding abrupt engine stops may reduce premature engine wear.

Feature: Rotating Operator's Station

Description: The operator station and all attachment controls rotate 90 degrees.

Benefit: The swiveling operator's station is designed to improve operator visibility of the rear attachment and enhance operator comfort.

Feature: Integrated system display

Description: The RTX550 integrated system display toggles through machine diagnostics and performance information such as: engine rpm, fuel level, battery voltage, engine coolant temperature and engine hours. When in either ground drive or using a rear attachment, the display also indicates the percentage of hydrostatic capacity utilized. The multilingual display is viewable in 6 languages, including: English, Spanish, German, French, Italian, Portuguese and Russian.

Benefit: The integrated system display allows the operator to easily monitor important machine functions and can be helpful when training inexperienced operators.

Feature: H1 tandem hydraulic pump system

Description: Equipped with the reliable, electronically controlled H1 hydrostatic pump, the RTX550 can operate consistently at higher hydraulic pressures.

Benefit: The H1 pump design facilitates features like standard AutoCreep, which allows precise controllability for increased productivity.

Feature: Battery/hydraulic oil filter compartment

Description: The battery and hydraulic oil filters are secured in a latched compartment on the floor of the operator's station.

Benefit: This design offers easy access to the battery and hydraulic filters for enhanced serviceability

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Feature: Planetary Axles with Differential Locks

Description: The RTX550 is equipped with planetary axles, which allow the driveshafts and gearboxes to operate at lower torque levels. With push of a button, the operator can engage and disengage the differential locks when added traction is necessary.

Benefit: The RTX550 undercarriage has been designed to facilitate torque distribution equally to all tires/tracks which helps to reduce turf damage, axle stress and tire/track wear.

Feature: Side Exhaust

Description: The exhaust is routed out of the right side of the tractor

Benefit: The side exhaust allows the operator better visibility from the operator's station and lowers the sound level while at the backhoe operator station.

Feature: Backfill blade control

Description: The RTX550 utilizes a single, six-way joystick for the backfill blade.

Benefit: The single joystick design simplifies backfill blade operation by eliminating the need for multiple levers.

Feature: Attachments for a variety of jobs

Description: The RTX550 is compatible with a wide variety of attachments, including: rockwheels, plows, combos, trenchers and microtrenchers.

Benefit: With greater attachment compatibility to match a variety of applications, the RTX550 becomes a valuable asset in your utility installation business.

Feature: Serviceability

Description: The RTX550 features a one-piece, lift-off hood for access to the engine and convenient access to the battery and hydraulic filters on the floor of the operator's station.

Benefit: These convenient access service points make it easier to perform routine and get back to the job faster.

Feature: Attachment Changeout

Description: The RTX550 is equipped with a standard front and standard rear hydraulic valve bank. The front is plumbed for compatibility with a reel carrier or backhoe – the rear for trencher, sliding offset trencher, vibratory plow, or rockwheel.

Benefit: The standard valve bank allows easy attachment changeout without difficult hydraulic plumbing changes through the tractor.

Feature: Attachment Compatibility/Interchangeability

Description: Several Vermeer ride-on utility tractors are compatible with many attachments across tractor model platforms. The VP455 vibratory plow and TR455/ SO455 trenchers are available on the RT450 and RTX550. Likewise, the PT750 combo plow/trencher and B550 backhoe are available on the RTX550 and RTX750.

Benefit: With greater attachment compatibility across model platforms, along with multiple traction options, an owner has greater flexibility in purchasing a machine to best suit his operations.

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Feature: 65 hp (48 kW) Cummins Diesel Engine

Description: The RTX550 is powered by a 65 hp (48 kW) Cummins diesel engine.

Benefit: The Cummins engine offers efficient power for high load applications.

Feature: One-piece, Lift-off Hood

Description: The RTX550 features a one-piece, lift-off hood for access to the engine compartment.

Benefit: The hood offers easy access to engine service points without detaching shields.

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