

Vermeer RTX750



Exceed jobsite expectations with the versatile RTX750 ride-on tractor from Vermeer. The RTX750 is a compact, productive machine well-suited to work on a wide variety of jobs in the tightest spaces. Rubber tires can be interchanged with the quad track system, allowing contractors to choose the optimal configuration for the jobsite, while four-wheel and crab steering deliver exceptional maneuverability. An arsenal of attachments, including rockwheels, plows, combos and trenchers are the tools needed to help get the job done.

Specifications

General Dimensions and Weights

Weight (basic tractor, rubber tires):	5900 lbs (2676.2 kg)
Weight (basic tractor, tracks):	9330 lbs (4232 kg)
Length (basic tractor, rubber tires):	10.5 " (26.7 cm)
Length (basic tractor, tracks):	11.1 " (28.2 cm)
Width (basic tractor, rubber tires):	72 " (182.9 cm)
Width (basic tractor, tracks):	78.5 " (199.4 cm)
Height (basic tractor, rubber tires):	100.3 " (254.8 cm)

Engine Option One

Make and Model:	Deutz TD2.9L4
Manufacturer's gross hp rating:	74 hp (55.2 kw)
Maximum Torque:	192 ft-lb (260.3 Nm)
Cooling Medium:	Liquid
Fuel Type:	Diesel
Emissions rating:	Tier 4 fina
Noise Level at Operator's Ear:	91 d(B)a

Engine Option Two

Make and Model:	Cummins B3.3T
Manufacturer's gross hp rating:	74 hp (55.2 kw)
Maximum Torque:	181 ft-lb (245.4 Nm)
Cooling Medium:	Water
Fuel Type:	Diesel
Emissions rating:	Tier 4i (EU Stage IIIB)
Noise Level at Operator's Ear:	95 d(B)a

Hydraulic System

Ground drive pump capacity:	35 gpm (132.5 L/min)
Ground drive pump relief:	4350 psi (299.9 bar)
Attachment pump capacity:	35 gpm (132.5 L/min)
Attachment pump relief:	5500 psi (379.2 bar)
Auxiliary pump capacity:	19.4 gpm (73.4 L/min)
Auxiliary pump relief:	2500 psi (172.4 bar)

Capacities

Fuel Tank:	27 gal (102.2 L)
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Vermeer RTX750

Hydraulic Tank: 23 gal (87.1 L)

Hydraulic System: 25 gal (94.6 L)

Coolant: 3 gal (11.4 L)

Ground Drive - Rubber Tire

Maximum forward transport speed (high): 5 mph (8 km/h)

Maximum reverse transport speed (high): 5 mph (8 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: 38" x 14" (96.5 cm x 35.6 cm)

Ground Drive - Tracks

Maximum forward transport speed (high): 4 mph (6.4 km/h)

Maximum reverse transport speed (high): 4 mph (6.4 km/h)

Maximum reverse creep speed (low): 1.5 mph (2.4 km/h)

Maximum forward creep speed (low): 1.5 mph (2.4 km/h)

Axle Options

Front Axle Type: Steerable planetary with hydraulic differential lock

Rear Axle Type: Steerable planetary with hydraulic differential lock

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

Outside Turning Diameter (Rubber Tires, Front Steer Only): 33 ' (10.1 m)

Outside turning diameter (tracks, front steer only): 39.5 '

Outside Turning Diameter (Rubber Tires, Front and Rear Steer): 16.8 ' (5.1 m)

Outside turning diameter (tracks, front and rear steer): 23 '

Service Brake Type: Hydrostatic

Parking Brake Type: Spring-applied, hydraulic release

Attachments

RC750 - SN101 - SN 116

Specifications

B750

Specifications

Model Name: B750

Weight (Without Bucket): 2200 lbs (997.9 kg)

Height (Transport): 109.5 " (278.1 cm)

Swing Arc: 170 deg

Bucket Rotation: 174 deg

Maximum Reach: 151 " (383.5 cm)

Maximum Digging Depth: 96.8 " (245.9 cm)

Maximum Digging Depth Flat Bottom: 93.2 " (236.7 cm)

VP750

Specifications

Model Name: VP750

Drive Type: Hydrostatic

Weight Without Blade: 1500 lbs (680.4 kg)

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

Vermeer RTX750

Shaker Force (Maximum RPM): 24000 lbs (10886.2 kg)

Maximum Plow Steer Angle: 30 deg

Maximum Swing Angle: 30 deg

Maximum Plow Depth (Rubber Tires): 30 " (76.2 cm)

Maximum Plow Depth (Tracks): 36 " (91.4 cm)

TR750

Specifications

Model Name: TR750

Drive Type: Hydrostatic

Weight (48 " (121.92 cm) boom, no chain): 2540 lbs (1152.1 kg)

Maximum Trench Depth: 60 " (152.4 cm)

Maximum Trench Width: 12 " (30.5 cm)

Minimum Trench Width: 6 " (15.2 cm)

RTX750 Backfill Blade

Specifications

Weight: 600 lbs (272.2 kg)

Width: 72 " (182.9 cm)

Height: 14.6 " (37.1 cm)

Maximum Swing Angle: 30 deg

Maximum Lift Above Ground: 25.6 " (65 cm)

Maximum Drop Below Ground: 16.3 " (41.4 cm)

Maximum Tilt Angle: 12 deg

RC750 - SN 201 and up

Specifications

Model Name: RC750

Weight: 858 lbs (389.2 kg)

Reel Shaft Diameter: 2.5 " (6.4 cm)

Maximum reel width: 48.5 " (123.2 cm)

Maximum Diameter Reel: 56 " (142.2 cm)

Capacity: 2000 lbs (907.2 kg)

SO750

Specifications

Model Name: SO750

Drive Type: Hydrostatic

Weight (48 " (121.92 cm) boom, no chain): 2830 lbs (1283.7 kg)

Length (Minimum Transport): 94 " (238.8 cm)

Maximum Trench Depth: 60 " (152.4 cm)

Maximum Trench Width: 12 " (30.5 cm)

Minimum Trench Width: 6 " (15.2 cm)

Maximum offset: 24 " (61 cm)

Features & Benefits

Feature: Class-leading small footprint

Vermeer RTX750

Description: The RTX750 has the smallest footprint in its class.

Benefit: With a 10.5' (3.2 m) length and a 72" (182.9 cm) width (rubber tire), the maneuverable RTX750 has a compact footprint, making it well-suited to working in tight jobsite confines and congested residential areas.

Feature: Quad track system

Description: The RTX750 offers a rubber quad track system.

Benefit: The rubber quad track system offers benefits including improved flotation, reduced surface damage and increased tractive effort. The quad track system integrates many of the features commonly associated with rubber tire units such as four-wheel steer and crab steering to enhance maneuverability.

Feature: Integrated system display

Description: An integrated system display toggles through machine diagnostics including engine rpm, fuel, alternator voltage, engine water temperature and engine hours. When in either ground drive or using a rear attachment, the display indicates the percentage of the hydrostatic capacity being utilized.

Benefit: The integrated system display allows the operator to easily monitor important machine functions. The capability to monitor the percentage of the hydrostatic capacity being used is especially useful when training new operators.

Feature: Turning diameter

Description: When equipped with tires and rear steer, the RTX750 has an outside turning diameter of only 16.8' (5.1 m).

Benefit: The tight turning diameter of the RTX750 is beneficial in tight spaces.

Feature: Planetary axles with differential locks

Description: The RTX750 is equipped with planetary axles, which allow the driveshafts and gearboxes to operate at lower torque levels. With the push of a button, an operator can engage and disengage the differential locks when added traction is necessary.

Benefit: The undercarriage is designed to help distribute torque equally to all tires/tracks for reduced turf damage, axle stress and tire/track wear.

Feature: H1 tandem hydraulic pump system

Description: Equipped with a reliable, electronically-controlled H1 hydrostatic pump, the RTX750 can operate consistently at higher hydraulic pressures.

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

Feature: Battery/hydraulic oil filter compartment

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

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

Feature: Daily engine service points

Description: All daily engine service points are located on the right side of the tractor.

Benefit: This is designed to simplify daily service checks.

Vermeer RTX750

Feature: Rotating operator's station

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

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

Feature: Side exhaust

Description: The exhaust is routed out of the left 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's station.

Feature: One-piece hood

Description: The RTX750 is equipped with a one-piece hood designed to enhance visibility during backfilling and transport.

Benefit: The hood offers convenient access to engine service points without detaching shields and visibility while backfilling.

Feature: Backfill blade control

Description: The RTX750 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: TrenchSense™ Electronic Control System

Description: While trenching in AutoCreep mode, the TrenchSense™ electronic control 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 trencher chain motion and forward creep automatically resume.

Benefit: All occurring within a couple 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 stop can also reduce premature engine wear.

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