

HYDROSTATIC TRENCHER

Vermeer



RT200



Vermeer®

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Easy to Operate, Low-Maintenance Trencher.

The Vermeer® RT200 is the total solution for small contractors, rental operations, electrical contractors, cable and telephone installers, and irrigation professionals. Reduced maintenance time and cost plays a big roll in the RT200 design. Greaseless, composite headshaft pivot bushings provide a durable and cost-effective alternative to oil/grease seals, gearboxes, and machined surfaces. A hydraulic oil-cooler helps maintain production by controlling oil viscosity. Convenient service points eliminate the removal of shielding for changing fluids or filters. Greater headshaft, bearings, frame and auger longevity is attained through standard outboard bearing support.

With durable steel shielding, a cost-efficient reversible boom, an operator-presence system, easy-to-learn and color-coded controls, and park brake, the RT200 is the answer to your walk-behind trenching projects.

Powerful Hydrostatic Trenching in a Compact Package.



Maintenance time and cost is reduced through the use of a fully hydrostatic trencher-drive that eliminates all belts, pulleys and gears.



Hydrostatic ground-drive and twin wheel motors eliminate the need for locking differentials while maintaining maneuverability.



A powerful, 23 HP (17 kw) Kohler engine combines durable and reliable operation with high horsepower for impressive job site results.



RT200 Specifications

General

Weight: 1485 lbs. (674 kg)
Length: 79" (201 cm)
Width: 36" (91 cm)
Height: 62" (157 cm) (transport);
37.5" (95.2 cm) (basic unit)
Wheel base: 46" (117 cm)
Tread width: 20" (51 cm)

Trencher

Trench width: 4", 6", 8" (10 cm, 15 cm, 20 cm)
Trench depth: 30", 36", 42", 48"
(76 cm, 91 cm, 107 cm, 122 cm)
Cutters: Cup, rotary, shark, combo
Digging chain tensile strength: 34,000 lbs.
(15,422 kg)

Engine

Model: Kohler Command CH-23 (gas)
Number of cylinders: 2
Cooling medium: Air
Bore: 3.15" (8.0 cm)
Stroke: 2.64" (6.7 cm)
Displacement: 41.1 cu. in. (674 cc)
Gross HP: 23 HP (17 kw)
Air cleaner: Dry, pre-cleaner
Max. engine operating angle: 25°
(not a machine stability specification;
do not use to determine safe machine
operating angle)
Fuel tank capacity: 5 gal. (19 L)
Engine oil capacity: 2 qt. (1.9 L)

Hydraulic System

Oil tank capacity: 8 gal. (30 L)
Oil system capacity: .5 gal. (1.9 L)

Ground-Drive

Pump type: Hydrostatic
Pump flow: 9 gpm (34 L/min.)
Filtration: 3 micron nominal
Tire size:
23" x 8.5" – 12 (58 cm x 21.6 cm)
lug (std.)
23" x 10.5" – 12 (58 cm x 26.7 cm)
lug (opt.)
23" x 10.5" – 12 (58 cm x 26.7 cm)
turf (opt.)
Transport speeds:
Fwd. — 120 fpm (36.6 m/min.);
reverse — 84 fpm (25.6 m/min.)

Options

PortaBore
Root-cutter
Dual tail-wheel



The PortaBore attachment allows V2050 users to perform short-length, small-diameter, nondirectional underground utility installation under sidewalks, driveways or other aboveground obstacles.



Tackle tough roots with the V2050 root-cutter attachment. The root cutter helps clear the trenching path of unwanted roots that can interfere with job productivity.

Attachment Specifications

PortaBore

Weight: 55 lbs. (25 kg)

RPM: 340 RPM

Rod lengths: 5', 10', 20' (1.5 m, 3.0 m, 6.1 m)

Root Cutter

Weight: 1820 lbs. (826 kg)

Length: 95" (241 cm)

Width: 50" (127 cm)

Height (transport): 47" (119 cm)

Wheel diameter: 32" (81 cm); 36" (91 cm) to tip

Wheel thickness: .5" (1.3 cm)

Max. wheel RPM: 320 RPM

Wheel tip speed: 3657 fpm (41.5 mpm)

Wheel lift cylinder: 2.5" (6.4 cm) bore,
6.25" (15.9 cm) stroke

Cutter tooth type: Pro Series

Cutter tooth quantity:

Full set — 20; half set — 10

Cutter tooth pockets: Replaceable, hardened

Cutting width: Full setup — 3.5" (8.8 cm);

half setup — 2.5" (6.7 cm)

Max. cutting depth: 14" (36 cm)

Max. cutting distance from drive tire:

7.5" (19.1 cm) w/ 23" x 8.5"

(58 cm x 21.6 cm) lug tires



Vermeer Manufacturing Company

1210 Vermeer Road East

P.O. Box 200

Pella, Iowa 50219 U.S.A.

Phone: (641) 628-3141

Fax: (641) 621-7734

International fax: +1 (641) 621-7730

www.vermeer.com

Call toll-free 1-888-VERMEER

1-888-837-6337 (U.S.A. only)

Europe, Middle East and Africa:

P.O. Box 323

4460 AS Goes

Netherlands

Phone: +31 113 272700

Fax: +31 113 272727

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