

# Vermeer®

Hydrostatic Trencher

# RT100





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## A Fully Hydrostatic Unit With Dependable Ground Drive.

The Vermeer RT100 is a compact pedestrian trencher that includes a hydrostatic trencher drive motor and hydrostatic twin wheel motors. More maintenance-friendly than conventional mechanical trenchers, the RT100 features a host of productivity-enhancing features to increase efficiency at the job site.

Greaseless composite headshaft pivot bushings provide a cost-effective alternative to oil/grease seals, gearboxes, and machined surfaces. Steel shielding offers increased durability. A hydraulic oil cooler helps maintain production by controlling oil viscosity. Operator presence levers help position the operator at the controls.

With your choice of three engines ranging from 13 HP – 15 HP (10 kw – 11 kw), a reversible boom that offers double the life of conventional booms, convenient service points that eliminate removing shielding for changing fluids or filters, and a large 16" (41 cm) tapered auger that gives more effective spoil removal with less spoil recycling, the RT100 is your complete rental, cable/telephone and irrigation solution.

## Higher Reliability, Lower Maintenance.



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



**Mechanical moving parts are reduced** with a hydrostatic ground drive and twin wheel motors. A hydraulic differential lock bypass increases unit maneuverability.

# HYDROSTATIC TRENCHER



**RT100 operation is enhanced** through color-coded controls that assist operators by improving control recognition.

**Increased life of the headshaft, bearings, frame and auger is attained** through efficient outboard bearing support. This feature is standard on all RT100 units.



## RT100 Specifications

**General** (basic unit with 13 hp Kohler, 16x6.5-8 tires, 24"x4" partial cup trencher and restraint bar)

Weight: 1030 lb (467 kg)  
Length (transport): 86" (218 cm)  
Width (overall): 34.5" (87.6 cm)  
Height: 46.3" (118 cm) (transport);  
45.5" (116 cm) (basic unit)  
Wheel Base: 33" (84 cm)  
Tread Width: 27.5" (70 cm)  
Tire Width (overall): 34" (86 cm)

### Trencher

Trench width: 4" – 6" (10 cm – 15 cm)  
Trench depth: 24", 30", 36"  
(61 cm, 76 cm, 91 cm)  
Cutters: Cup, tiger, shark, rotary  
Digging chain tensile strength: 34,000 lb (15,422 kg)

### Engine

Model:  
Option 1 – Kohler Command CH-13 (gas);  
Option 2 – Kohler Command CH-15 (gas);  
Option 3 – Honda GX390 (gas)  
Number of cylinders: 1 (all)  
Cooling medium: Air (all)  
Bore x Stroke:  
Option 1 – 3.43" (8.7 cm) x 2.64" (6.7 cm)  
Option 2 – 3.55" (9.0 cm) x 2.64" (6.7 cm)  
Option 3 – 3.22" (8.2 cm) x 2.52" (6.4 cm)  
Displacement:  
Option 1 – 24.3 cu. in. (398 cc)  
Option 2 – 26.0 cu. in. (426 cc)  
Option 3 – 20.6 cu. in. (337 cc)  
Gross HP:  
Option 1 – 13 HP (10 kw)  
Option 2 – 15 HP (11 kw)  
Option 3 – 13 HP (10 kw)  
Max. Torque:  
Option 1 – 21.2 lb-ft (9.6 kg-m) @ 2400 rpm  
Option 2 – 25.3 lb-ft (11.4 kg-m) @ 2400 rpm  
Option 3 – 19.5 lb-ft (8.8 kg-m) @ 2400 rpm  
Air cleaner: Dry (all)  
Max. engine operating angle: 20°  
(not a machine stability specification;  
do not use to determine safe machine  
operating angle)  
Fuel tank capacity:  
Option 1 – 1.25 gal (4.7 L)  
Option 2 – 1.25 gal (4.7 L)  
Option 3 – 1.7 gal (6.4 L)  
Fuel consumption (@ max load):  
Option 1 – 1.21 gph (2.8 L/hr)  
Option 2 – 1.3 gph (4.9 L/hr)  
Option 3 – 1.08 gph (4.1 L/hr)  
Engine oil capacity:  
Option 1 – 4 pt. (1.9 L)  
Option 2 – 4 pt. (1.9 L)  
Option 3 – 2.3 pt. (1.1 L)

### Hydraulic System

Oil tank capacity: 11.6 gal (43.9 L)  
Oil system capacity: 12 gal (45 L)

### Ground Drive

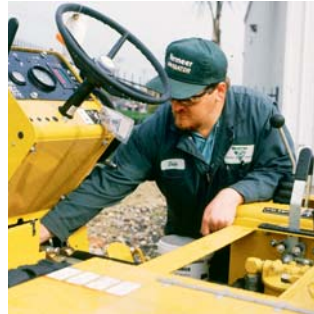
Pump type: Hydrostatic  
Pump flow: 9.50 gpm (36.0 L/min.) @ 3600 RPM  
Filtration 10-micron  
Tire size:  
16" x 6.5" – 8 (41 cm x 16.5 cm) lug (standard)  
18" x 9.5" – 8 (46 cm x 24.1 cm) lug (optional)  
18" x 8.5" – 8 (46 cm x 21.6 cm) turf (optional)  
Transport speed @ 3600 RPM std. tire  
Fwd: 188 fpm (57.3 m/min)  
Rev: 88 fpm (26.8 m/min)



# Quality Parts and Service.



*Get the parts and service edge. In addition to providing quality equipment, Vermeer delivers top-quality parts and superior services. Vermeer parts are manufactured to exacting specifications to help keep your Vermeer equipment running trouble-free and at OEM specifications.*



*Vermeer offers factory-certified training programs to its dealer network to ensure that the most current service procedures are presented to the service personnel of your Vermeer dealer.*



*Genuine Vermeer parts are precision crafted to match to your Vermeer equipment EXACTLY. This ensures that your system will run as smoothly as possible, with the least amount of service and maintenance.*

# Vermeer®

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