

# Vermeer®



# LM42





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PLOW/TRENCHER

# LM42

## **A compact, easy-handling walk-along**

The tough Vermeer® LM42 is built to stand up to rugged use, while retaining maneuverability, easy operation and low maintenance. It features a powerful 46 HP (35 kw) air-cooled Deutz® engine, conveniently located dual operator presence controls, adjustable plow blades and strike-protected insulated controls for added operator protection. An all-around workhorse, the LM42 boasts plow centering springs, a servo-controlled ground-drive pump and an extremely narrow profile that fits through areas as small as 36" (91 cm).

## **Maneuverability,** **Easy Operation** **And Low** **Maintenance**



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## Intelligent options for a variety of functions

Optional attachments give the LM42 excellent versatility to perform a variety of job functions. Optional side weights adapt the machine to various ground conditions for flexible performance. Other options include: backhoe attachment with center-mounted seat, two-speed ground drive, boring attachment, trencher, reel carrier and rockwheel. When you are looking for an easy-handling, great all-around machine, the LM42 is your walk-along solution.

**Compact width and excellent maneuverability** make the LM42 a great multi-purpose machine. The center-articulated LM42 oscillates at the point of articulation for increased stability and performance on uneven terrain. With its extremely narrow profile, the LM42 will fit through areas as small as 36" (91 cm).







**Insulated, color-coded controls** help protect the operator against shock injury from electrical strikes. The separate, color-coded controls for steering and propulsion provide operators with a quick, visual reference.



**Optional reel carrier** accommodates reels up to 16" (41 cm) wide and 150 lbs. (68 kg). The LM42 offers many optional attachments to make your work more productive.

## LM42 Specifications

### General

Basic machine with vibratory plow, less plow blade  
 Height: 52" (132 cm)  
 Weight: 3550 lbs. (1610 kg)  
 Length: 74" (188 cm)  
 Width: 35.5" (90.2 cm)  
 Wheelbase: 44.5" (113.0 cm)  
 Ground clearance: 7.5" (19.1 cm)  
 Fuel consumption: 2.2 gph (8.3 Lph)  
 @ full load  
 Enclosed wet-disc brake system  
 Oil cooler

### Engine

Model: Deutz F3L2011  
 Number of cylinders: 3  
 Type of fuel: Diesel  
 Cooling medium: Air/oil  
 Displacement: 2.3 L (142 cu-in)  
 Max. flywheel HP: 46 HP (35 kw)  
 @ 3000 RPM  
 Net flywheel HP: 41.7 HP (31.1 kw)  
 @ 2500 RPM  
 Max. torque: 96 ft-lb (130 Nm)  
 @ 1700 RPM  
 Air cleaner: Dry

### Tires

23" (58 cm) or 26" (66 cm) tire options

### Fluid Capacities

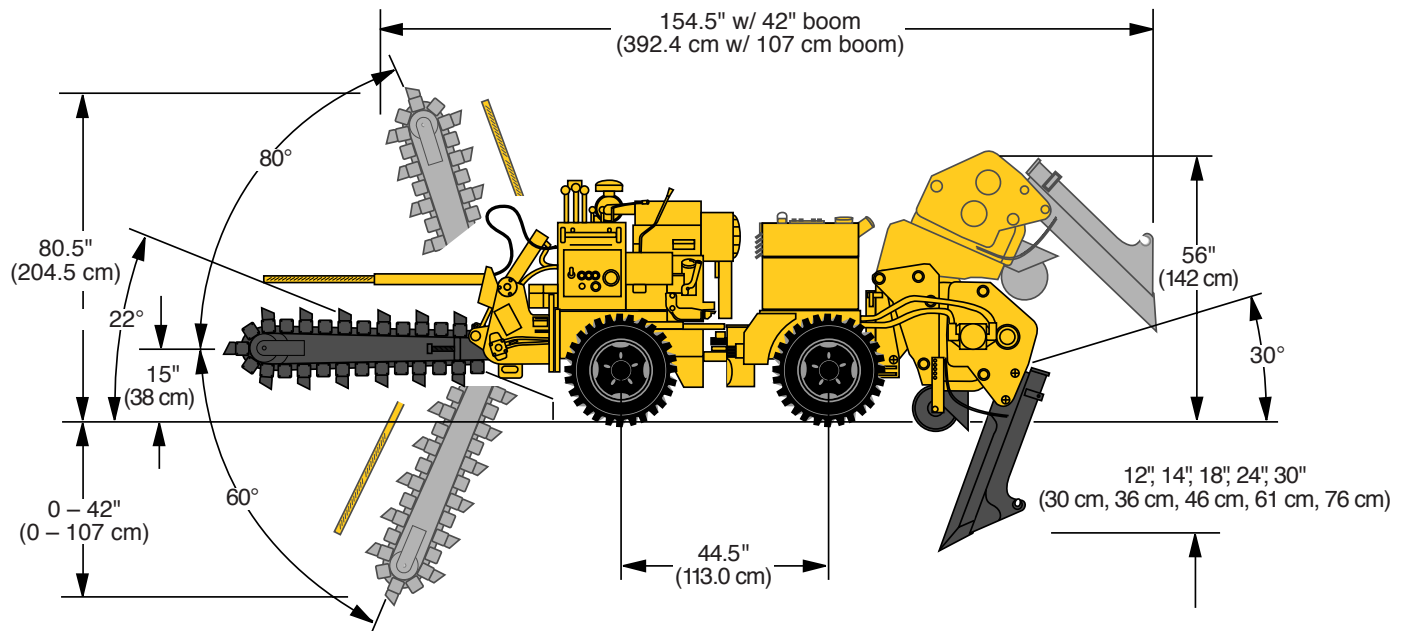
Fuel tank capacity: 11.6 gal. (43.9 L)  
 Fuel type: Diesel  
 Engine oil w/ filter: 6.4 qts. (6.1 L)  
 Hydraulic tank: 9.4 gal. (35.6 L)  
 Hydraulic system: 10.6 gal. (40.1 L)

### Ground Drive

Pump type: Hydrostatic  
 Transport speeds, forward and reverse  
 (standard tires): 0 fpm – 180 fpm  
 (0 mph – 2 mph) (0 mpm – 54 mpm)  
 (0 kpm – 3.3 kph)  
 Optional two-speed ground drive

### Electrical

Electrical system: 12-volt  
 Battery: Group 31,660 CCA  
 Alternator: 60-amp

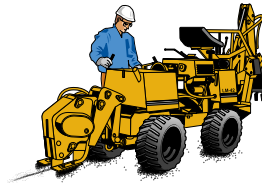


## LM42 Attachment Specifications



### Trencher Attachment

Weight (attachment only, with 42" [107 cm] boom, chain cutters): 490 lbs. (222 kg)  
 Trench depths: 0" – 42" (0 cm – 107 cm)  
 Trench widths: 4" – 6" (10 cm and 15 cm)  
 Angle of approach: 22°



### Vibratory Plow Attachment

Weight (attachment only, less blade): 675 lbs. (306 kg)  
 Plow blades: 12" (30 cm), 14" (36 cm), 18" (46 cm), 24" (61 cm), 30" (76 cm)  
 Cable chute width: 1" (3 cm)  
 Recommended cover depth: 12" – 18" (30 cm – 46 cm)  
 Maximum cover depth: 30" (76 cm)



### Backhoe

Digging depth: 82.5" (209.6 cm)  
 Reach: 109" (277 cm)  
 Swing arc: 110°  
 Bucket width: 12" (30 cm) standard  
 Dual stabilizers: Standard  
 Optional bucket: 8" (20 cm), 18" (46 cm)



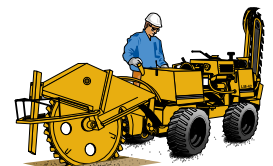
### Reel Carrier

Max. reel width: 16" (41 cm)  
 Reel tube OD: 1.25" (3.2 cm)  
 Reel capacity: 150 lbs. (68 kg)



### Boring Attachment

Torque: 620 ft-lb (839 Nm) @ 2500 psi (172 bar) relief  
 Speed: 240 RPM @ max. engine RPM



### Rockwheel

Weight: 890 lbs. (404 kg), attachment only  
 Cutting widths: 3" (8 cm) and 4" (10 cm)  
 Cutting depth: 0" – 21" (0 cm – 53 cm)  
 Wheel diameter: 47.5" (120.7 cm)  
 Wheel speed: 206 RPM @ max. engine RPM

**Additional Options:** Fluid in tires, side weights, sod cutter, tamping feet, two-speed ground drive and wheel weights

# 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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