

**Vermeer**<sup>®</sup>  
Utility Plow/Trencher

**LM42**



## Intelligent options for a variety of functions

The tough Vermeer LM42 is built to stand up to rugged use, while retaining maneuverability and easy operation. It is powered by a 42-hp (31.3 kW) air/oil-cooled Deutz engine, conveniently located dual operator presence controls, and strike-protected insulated handles 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" (91.4 cm), depending on tire option.

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 attachment options include: backhoe attachment with center-mounted seat, 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 multipurpose 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" (91.4 cm).*



*For safety and operator convenience, one of the two operator presence controls must be depressed at all times. If operator presence system is not engaged, trencher and ground drive will not function.*



*Optional reel carrier accommodates reels up to 16" (40.6 cm) wide and 150 lb (68 kg). The LM42 offers many optional attachments to make your work more productive.*



Efficient a

## LM42 Specifications

### General

Basic machine with vibratory plow,  
less plow blade  
Height: 54.5" (138.4 cm)  
Weight: 3550 lb (1610.3 kg)  
Length: 81" (205.7 cm)  
Width [with 23" (58.4) tires]: 36" (91.4 cm)  
Width [with 26" (66 cm) tires]: 42" (107 cm)  
Wheelbase: 44.5" (113 cm)  
Ground clearance: 7.5" (19.1 cm)  
Fuel consumption: 2.2 gph (8.3 L/hr)  
@ full load  
Enclosed wet-disc brake system  
Oil cooler

### Engine

Model: Deutz F3L2011  
Horsepower (gross): 42 hp (31.3 kW)  
Number of cylinders: 3

Type of fuel: Diesel  
Cooling medium: Air/Oil  
Displacement: 2.3 L (142 cu in)

### Tires

23" (58.4 cm) or 26" (66 cm) tire options

### Fluid Capacities

Fuel tank capacity: 11.6 gal (44 L)  
Engine oil with filter: 1.4 gal (5.3 L)  
Hydraulic tank: 8 gal (30.3 L)  
Hydraulic system: 10 gal (37.9 L)

### Ground Drive

Pump type: Hydrostatic  
Transport speeds, forward and reverse  
(standard tires): 0 fpm – 180 fpm (0 m/pm – 54 m/min)  
Optional two-speed ground drive

### Electrical

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

### Trencher Attachment

Weight [attachment only, with 42" (106.7 cm) boom,  
chain cutters]: 490 lb (222.3 kg)  
Trench depths: 0" – 42" (0 cm – 106.7 cm)  
Trench widths: 4" – 6" (10.2 cm – 15.2 cm)  
Angle of approach: 22°

### Vibratory Plow Attachment

Weight (without blade): 675 lb (306.2 kg)  
Plow blades: 12" (30.5 cm), 14" (35.6 cm),  
18" (45.7 cm), 24" (61 cm)  
Cable chute width: 1" (2.5 cm)  
Recommended cover depth: 12" – 18"  
(30.5 cm – 45.7 cm)  
Maximum cover depth: 24" (61 cm)

### Backhoe Attachment

Digging depth: 82.5" (209.6 cm)  
Reach: 109" (276.9 cm)  
Swing arc: 110°  
Bucket width: 12" (30.5 cm) standard  
Dual stabilizers: Standard  
Optional bucket: 8" (20.3 cm), 18" (45.7 cm)

### Reel Carrier Attachment

Max reel width: 16" (40.6 cm)  
Reel tube OD: 1.25" (3.2 cm)  
Reel capacity: 150 lb (68 kg)

### Boring Attachment

Torque: 620 ft-lb (840.6 Nm) @ 2500 psi  
(172.4 bar) relief  
Speed: 240 rpm @ max engine rpm

### Rockwheel Attachment

Weight: 890 lb (403.7 kg)  
Cutting widths: 3" (7.6 cm) and 4" (10.2 cm)  
Max cutting depth: 21" (53.3 cm)  
Wheel diameter: 47.5" (120.7 cm)  
Wheel speed: 206 rpm @ max engine rpm

### Multiblade Plow Attachment

Model name: MB40  
Weight (with blades): 1881 lb (853.2 kg)  
Max length: 64.3" (163.3 cm)  
Min depth: 2" (5.1 cm)  
Max depth: 12" (30.5 cm)  
Min blade spacing: 10" (25.4 cm)  
Max blade spacing: 24" (61 cm)  
Reel capacity: 1000' (304.8 m)

*The multiblade plow attachment uses high-frequency vibration to install up to three drip irrigation lines at a time with minimal damage to the soil profile.*



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