

# M-455A



## Vermeer



# At last a big profit machine that combines versatility and power into one package. . .the M-455A.

Here's a unit that has strength, agility and versatility. The M-455A from Vermeer. As in all Vermeer industrial machines the M-455A features heavy-duty construction and power to do the job. Power in a choice of Deutz or John Deere diesel engines. You get center articulation for superior maneuverability and traction which come in handy in those tough digging conditions. All hydraulic controls give you excellent control of the many attachments. A machine to keep you operating at a profit. . .the M-455A from Vermeer.



## GENERAL

Weight, power unit only: 4,910 lbs. (224 kg)  
Length: 110" (279 cm)  
Width - 31" tires: 72" (183 cm)  
Height - rollbars: 92" (234 cm)  
Wheelbase: 67" (170 cm)  
Ground clearance - standard: 7" (18 cm)

## ENGINE

Model: Deutz F3L-912 Diesel  
Number of cylinders: 3  
Displacement: 172.7 cu. in. (2830 cc)  
Maximum no load rpm: 2650  
Maximum gross horsepower at no load rpm:  
58 hp at 2650 rpm  
Net flywheel horsepower at full load rpm:  
53 hp at 2500 rpm  
Fuel tank capacity: 16 gallons (61 L)

## ENGINE

Model: John Deere 3179D Diesel  
Number of cylinders: 3  
Displacement: 179 cu. in. (293 L)  
Maximum no load rpm: 2650  
Maximum gross horsepower at no load rpm: 60 hp  
(44.7 kws) at 2800 rpm  
Net flywheel horsepower at full load rpm: 56 hp (42 kws) at  
2500 rpm  
Fuel tank capacity: 16 gallons (61 L)

## HYDRAULIC SYSTEM

Pump displacement: 1.55 cu. in./rev. (25.40  
cc/rev.)  
Pump gallonage at 2650 rpm: 17.8 gpm (67.4  
L/min.)  
Oil tank capacity: 9 gallons (34 L)

## STEERING

Standard Type: Hydraulic activated articulation  
Turning radius: 153" (389 cm)

## GROUND DRIVE

Transmission: Warner T-18, four speed  
Axles: Remanufactured Rockwell, 15,000 lbs.,  
full floating (6795 kg)  
Tire size - standard: 32 x 12.5 x 15, 8-ply  
traction  
- optional: 16.5L x 16.1, 6-ply traction  
- optional: 31 x 15.50 x 15, 8-ply traction  
Transport speeds  
1st gear: 1.9 mph (3.1 km/hr)  
2nd gear: 3.9 mph (6.3 km/hr)  
3rd gear: 7.1 mph (11.4 km/hr)  
4th gear: 12 mph (19.3 km/hr)  
Reverse: 1.6 mph (2.6 km/hr)

## COMBO

Trench depths, maximum: 40", 48" (102, 122 cm)  
Trench widths: 6", 8", 10" (15, 20, 25 cm)  
Cover depth, recommended maximum: 24" (61 cm)  
Maximum cable diameter - feed tube: 1 1/2" (38 mm)  
- pull grip: 2" (51 mm)

## BH-800 BACKHOE-BLADE

Bucket widths: 12", 18", 24" (30, 46, 61 cm)  
Digging depths, maximum - 31" tires: 102" (259 cm)  
- 16.5" tires: 99" (251 cm)  
- 32" tires: 101 1/2" (258 cm)

## BH-950 BACKHOE-BLADE

Bucket widths: 12", 18", 24" (30, 46, 61 cm)  
Digging depths, maximum: - 31" tires: 114" (290 cm)  
- 16.5" tires: 111" (282 cm)  
- 32" tires: 113 1/2" (288 cm)

## P-2055 PLOW

Width, recommended maximum: 2" (51 mm)  
Maximum cable diameter - feed tube: 1 1/2" (38 mm)  
- pull grip: 2" (51 mm)

## DOZER BLADE

Blade width: - standard: 80" (203 cm)  
- optional: 96" (244 cm)  
Blade height: 19" (48 cm)  
Lift height: 17 1/2" (44 cm)  
Depth of cut: 9" (23 cm)

## CRC-30B ROCK CUTTER

Weight, attachment only: 3260 lbs. (1477 kg)  
Cutting widths: 4", 6 1/2" (102, 165 mm)  
Cutting depth: 0-30" (0-76 cm)

## D-18 TRENCHER

Trench depths - 20" idler 7600M chain: 40", 48", 60"  
(102, 122, 152 cm)  
- 20" idler 2134 chain: 40", 48", 60" (102, 122, 152 cm)  
- 10" idler 2134 chain: 40", 48", 60", 72", 84" (102, 122,  
152, 183, 213 cm)  
Trench widths - 7600M chain: 7 1/2", 8", 12", 14", 16", 18"  
(19, 20, 30, 36, 41, 46 cm)  
- 2134M chain: 7", 8", 10" (18, 20, 25 cm)  
- 2134K chain: 7", 8", 10", 12", 14", 18" (18, 20, 25, 30, 36,  
46 cm)  
Digging chain tensile strength - 7600: 150,000 lbs. (67,950 kg)  
- 2134: 110,000 lbs. (49,830 kg)

## OB-1618 OFFSET BRACKET

Adapts a D-18 trencher into an offset trencher

## D-16 TRENCHER

Trench depths - 10" idler 1957 chain: 40", 48", 60", 72", 84"  
(102, 122, 152, 183, 213 cm)  
- 10" idler 2134 chain: 40", 48", 60", 72", 84" (102, 122,  
152, 183, 213 cm)  
Trench widths - 1957M chain: 6", 8" (15, 20 cm)  
- 1957 K chain: 8", 10", 12", 14" (20, 25, 30, 36 cm)  
- 2134 M chain, rotary only: 7", 8", 10" (18, 20, 25 cm)  
- 2134K chain, rotary only: 7", 8", 10", 12" (18, 20, 25, 30  
cm)



Versatility to match the job with the M-455A and attachments like a cable plow, trencher, backhoe-blade, dozer blade, offset trencher, combo, reel carrier and even a rock cutter.



With the trencher attachment you get a torque adjustable slip clutch, a hydraulically controlled 'angle of attack' and an optional 20" end idler.

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