

MDX SERIES ECONOMY MOUNTED DISC MOWER Specifications



Models MDX21, MDX31 & MDX41

MODEL	MDX21	MDX31	MDX41
CUTTER BAR			
Cutting width	5 ft. 6 in. (1.67 m)	6 ft. 9 in. (2.06 m)	7 ft. 11 in. (2.41 m)
Cutting height	.63-2.36 in. (16-60 mm)	.63-2.36 in. (16-60 mm)	.63-2.36 in. (16-60 mm)
Cutter bar tilt angle	0° to -8°	1° to -8°	2° to -8°
Cutter bar operating range	+18° to -30°	+18° to -30°	+18° to -30°
Breakaway angle	21°	21°	21°
Type cutterbar	Enclosed gear drive	Enclosed gear drive	Enclosed gear drive
Number of discs	4	5	6
Knives per disc	2 – reversible, swingaway	2 – reversible, swingaway	2 – reversible, swingaway
Disc cutting diameter	20.47 in. (520 mm)	20.47 in. (520 mm)	20.47 in. (520 mm)
Disc drive	Spur gear drive in common sump	Spur gear drive in common sump	Spur gear drive in common sump
Disc speed	3,154 RPM	3,154 RPM	3,154 RPM
DRIVELINE			
Minimum PTO hp required †	35 hp (26.1 kW)	40 hp (29.8 kW)	50 hp (37.3 kW)
Input speed	540 RPM	540 RPM	540 RPM
PTO shaft spline & size req.	6-spline/1-3/8 in. (35 mm)	6-spline/1-3/8 in. (35 mm)	6-spline/1-3/8 in. (35 mm)
Driveline protection	Belt drive to cutter bar	Belt drive to cutter bar	Belt drive to cutter bar
Overrunning clutch	On PTO shaft	On PTO shaft	On PTO shaft
Belt tension	Adjustable drawbolt – 0.75 in. deflection	Adjustable drawbolt – 0.75 in. deflection	Adjustable drawbolt – 0.75 in. deflection
HYDRAULICS AND HITCH			
Hydraulic circuits required	One remote	One remote	One remote
Minimum relief pressure req.	2,320 psi (160 bar)	2,320 psi (160 bar)	2,320 psi (160 bar)
Hitch	Category I or II	Category I or II	Category II
DIMENSIONS AND WEIGHT			
Overall width	134.25 in. (3410 mm)	149.21 in. (3790 mm)	178.35 in. (4530 mm)
Overall length	54.33 in. (1380 mm)	54.33 in. (1380 mm)	54.33 in. (1380 mm)
Height - transport position*	92.52 in. (2350 mm)	107.48 in. (2730 mm)	122.44 in. (3110 mm)
Shipping weight	933 lbs. (423 kg)	1,016 lbs. (461 kg)	1,215 lbs. (551 kg)
Operating weight	822 lbs. (373 kg)	905 lbs. (411 kg)	1,077 lbs. (489 kg)

† Recommended for use with tractors having a fully enclosed cab.

* Transport height is based on 19.7-inch (500 mm) hitch-pin height above ground.

MD SERIES HEAVY-DUTY MOUNTED DISC MOWER Specifications



Models MD72, MD82 & MD92

MODEL	MD72	MD82	MD92
CUTTER BAR			
Cutting width	6 ft. 8 in. (2.03 m)	7 ft. 10 in. (2.4 m)	9 ft. 2 in. (2.8 m)
Cutting height	.95-3.25 in. (24-82.5 mm)	.95-3.25 in. (24-82.5 mm)	.95-3.25 in. (24-82.5 mm)
Cutter bar tilt angle	0° to -10°	0° to -10°	0° to -10°
Cutter bar operating range	+18° to -32°	+18° to -30°	+18° to -28°
Breakaway angle	19°	19°	19°
Type cutterbar	Modular	Modular	Modular
Number of discs	5	6	7
Knives per disc	2 – reversible, swingaway	2 – reversible, swingaway	2 – reversible, swingaway
Disc cutting diameter	19.7 in. (500 mm)	19.7 in. (500 mm)	19.7 in. (500 mm)
Disc drive	Bevel gears in sealed modules	Bevel gears in sealed modules	Bevel gears in sealed modules
Disc speed	3,000 RPM	3,000 RPM	3,000 RPM
Cutter bar shear protection	Std.- Frangible splines in disc drive hub	Std.- Frangible splines in disc drive hub	Std.- Frangible splines in disc drive hub
DRIVELINE			
Minimum PTO hp required †	45 hp (33.5 kW)	55 hp (40.9 kW)	60 hp (44.7 kW)
Input speed	540 RPM	540 RPM	540 RPM
PTO shaft spline & size req.	6-spline/1-3/8 in. (35 mm)	6-spline/1-3/8 in. (35 mm)	6-spline/1-3/8 in. (35 mm)
Driveline protection	Belt drive to cutter bar	Belt drive to cutter bar	Belt drive to cutter bar
Overrunning clutch	On PTO shaft	On PTO shaft	On PTO shaft
Belt tension	Spring-loaded tensioner with adjustment gauge	Spring-loaded tensioner with adjustment gauge	Spring-loaded tensioner with adjustment gauge
HYDRAULICS AND HITCH			
Hydraulic circuits required	One remote	One remote	One remote
Minimum relief pressure req.	1,500 psi (104 bar)	1,500 psi (104 bar)	1,500 psi (104 bar)
Hitch	Category I	Category II	Category II
DIMENSIONS AND WEIGHT			
Overall width	138.75 in. (3524 mm)	160.25 in. (4070 mm)	181.75 in. (4616 mm)
Overall length	50.5 in. (1283 mm)	50.5 in. (1283 mm)	50.5 in. (1283 mm)
Height - transport position	98 in. (2489 mm) *	119.5 in. (3035 mm) **	141 in. (3581 mm) **
Shipping weight	1,440 lbs. (653 kg)	1,610 lbs. (730 kg)	1,750 lbs. (794 kg)
Operating weight	1,300 lbs. (590 kg)	1,460 lbs. (662 kg)	1,590 lbs. (721 kg)

† Recommended for use with tractors having a fully enclosed cab.

* Transport height is based on 24-inch (609 mm) hitch-pin height above ground on MD72 models

** Transport height is based on 18-inch (457 mm) hitch-pin height above ground on MD82 and MD92 models

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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