NEW HOLLAND AGRICULTURE

HEAVY-DUTY AND ECONOMY DISC MOWERS

H6730 | H6740 | H6750 | H6830 | HM234 | HM235 | HM236

FAST, CLEAN, DEPENDABLE CUTTING IN TOUGH CONDITIONS

H6000 DISC MOWERS USE THE PROVEN MOWMAX™ CUTTERBAR TO GIVE YOU TROUBLE-FREE CUTTING AND PEACE OF MIND

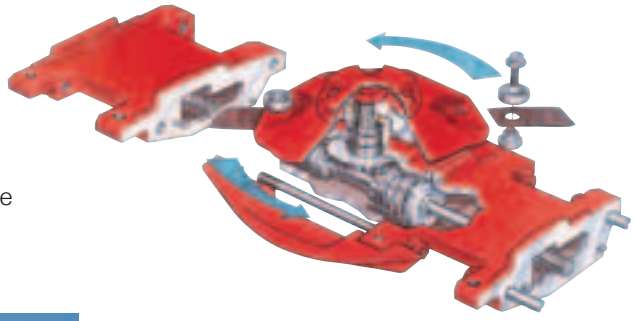
New Holland H6000 Series heavy-duty disc mowers breeze through the toughest conditions to give you a clean, even cut in less time. Discs spin up to 3,000 rpm, producing a knife tip speed of up to 187 mph to slice through dense, wet grasses, fire ant hills and gopher mounds. Select from four new heavy-duty models, including a new pull-type model with a cut width of over 10 feet.

MOWMAX™ CUTTERBAR ADVANTAGES: CLEANER CUTTING, MORE DURABILITY, LESS DOWNTIME, EASIER SERVICING

All four heavy-duty disc mower models feature the latest advance in New Holland true modular cutterbar technology - the MowMax cutterbar equipped with the ShockPRO™ cutterbar protection system. This is the same design used on larger Discbine® disc mower-conditioners so you are assured of maximum durability and peace of mind. Each disc module is an individually sealed gear case with a dedicated oil reservoir. Even when cutting on slopes, there's never an oil starvation issue. The gears stay fully lubricated and work reliably. If an internal component ever fails, there's no chance that a broken piece can circulate in the oil bath and damage other modules. And, each gear case is connected with independent, hardened alloy drive shafts, not a single-piece drive shaft that can twist or shear. When routine maintenance is required, it's fast and inexpensive.

SHOCKPRO™ PROTECTION

Replaceable ShockPRO hubs protect the entire cutterbar driveline to minimize downtime and repair costs if the machine encounters a field obstruction. Economical ShockPRO hubs absorb the shock of the impact before damage can occur to expensive drive components. If necessary, these hubs can be replaced in the field in under ten minutes, at minimal cost.



ADDITIONAL MOWMAX FEATURES

- Lower-profile rock guards allow for closer cutting at a flatter cutting angle.
- Stepped module spacers improve the straightness of the cutterbar, allowing it to run more lightly and smoothly for consistent cut height and less wear.
- The fit of the top cap bearing to the housing is optimized to extend bearing life.
- More gentle bends in the knife bolt area of the “turtle” reduce wear concentration.
- Hardened alloy module drive shafts with dampeners eliminate vibration wear.
- Stronger top cap gear and the ShockPRO hub design eliminates the need to change top cap gear assemblies if there is impact from a foreign object. A partial complement of splines allows the hub to fail instead of the gears.

AUTOMATIC REACTION TO FIELD CHANGES

A flotation spring on H6700 mounted mowers allows for vertical cutterbar movement over field obstructions. In addition, a spring-loaded breakaway latch allows the cutterbar to swing back if it hits an immovable object in the field.

EASY SERVICE AND ADJUSTMENT

Two cutting edges on each knife provide twice the cutting life. You can flip or replace knives easily from the front of the cutterbar. Each knife is retained with only one bolt, and there’s no need to raise the cutterbar or reach from the back of the cutterbar to access the knife bolts. Mounted disc mowers feature an exclusive V-belt tension spring with an easy-to-see tension indicator so you can check belt tension at a glance. Adjusting tension is easy too. There are no shields to remove. All it takes is a turn of a nut. Left- and right-hand swathboards are available to allow for swath width adjustment.

CHANGE QUICKLY FROM FIELD TO ROAD

When you’re ready to hit the road, use remote hydraulics to raise the H6700 mounted mowers to a locked vertical transport position. A removable parking jack stand and convenient onboard storage location are provided on both mounted and pull-type models.

Model	Number of Discs	Cutting Width	Tractor Attachment	Minimum Tractor PTO hp
H6730	5	6 ft. 8 in.	3-Point Mounted, Cat. I or II	45
H6740	6	7 ft 10 in.	3-Point Mounted, Cat. II	55
H6750	7	9 ft. 2 in.	3-Point Mounted, Cat. II	60
H6830	8	10 ft 4 in.	Pull type	60

10’4” PULL-TYPE H6830

THE EIGHT-DISC, SIDE-PULL H6830 PROVIDES A NEW LEVEL OF DISC MOWER PRODUCTIVITY

The New Holland heavy-duty H6830 pull-type disc mower combines the benefits of a wide 10-foot, four-inch cut with easy hookup and a low horsepower requirement. The 540-rpm PTO driveline features an 80-degree constant velocity joint for smooth, quiet operation and tight turning. A secondary CV driveline option allows you to mow in the transport position to “steer” around field obstacles. Wheels are located inboard of the cutting edge to eliminate run-down of uncut crop. Crop deflectors direct the cut crop inside the tire path and into a wide 95-inch swath.

IN-FIELD FLOTATION

The H6830 header is suspended from the main frame of the machine. Large flotation springs allow the header to float both vertically and laterally for even cutting in uneven terrain, preventing damage and bulldozing. You can adjust the flotation spring tension easily by turning the anchor bolts.

NARROW TRANSPORT

Hydraulic tongue swing on the pull-type H6830 allows you to power the machine from transport to operating position and back. End shields flip up for a narrow 10-foot, 10-inch transport width. A removable parking jack and a removable toolbox are attached to the tongue assembly for your convenience.

Tractor hook-up is easy. Simply drop in the pin, hook up the PTO and three hydraulic hoses. The primary PTO uses an 80-degree constant velocity joint that permits tight turning. If desired, your dealer can order an optional secondary PTO assembly with CV joint that allows you to steer the machine around field obstructions on-the-fly.

HIGH SPEED MEETS HIGH VALUE

HM SERIES ECONOMY DISC MOWERS PROVIDE FAST MOWING SPEEDS AT A PRICE THAT GOES EASY ON THE WALLET

For smooth, fast disc cutting at an economical price, choose a high-value HM Series economy disc mower from New Holland.

FAST CUTTING

Available in three sizes, the HM Series disc mowers slice cleanly through thick crops at high speed. Four, five or six low-profile, oval cutting discs use two knives per disc to slice through wet grasses, and break through nuisance fire ant hills and gopher mounds. Knives are made of high-quality steel and are reversible for twice the cutting life. Rock guards and skid shoes protect the discs and carry the cutterbar over uneven ground.

DEPENDABLE OPERATION

The enclosed gear-driven cutterbar provides years of reliable service. And, the 540-rpm PTO driveline with overrunning clutch protects the driveline and makes hook-up easy. Additional built-in features:

- Adjustable flotation spring allows you to change cutterbar ground pressure.
- A spring-loaded breakaway latch protects the cutterbar by allowing the mower to pivot back the instant it encounters an obstacle. To re-engage the latch, simply back up.
- Right-side swath divider wheel separates each cut path.
- A single-acting hydraulic cylinder makes it easy to lift the cutterbar at the end of each pass.
- A transport lock makes it easy to move from field to field.
- 3-point hitch mounting, two adjustable parking stands and a storage support for the PTO shaft make it easy to attach and remove HM Series mowers.

The enclosed gear-driven cutterbar uses two high-quality steel knives on each low-profile, oval disc to produce a fast, clean cut. The discs are retained with six bolts for easier service.

Two parking stands make tractor attachment and removal easy.

HEAVY-DUTY DISC MOWERS WITH MOWMAX™ CUTTERBAR

MODELS		H6730 MOUNTED	H6740 MOUNTED	H6750 MOUNTED	H6830 SIDE PULL
Cutter Bar					
Cutting width	ft. in. (mm)	6' 8" (2032)	7' 10" (2388)	9' 2" (2794)	10' 4" (3150)
Cutting height	in. (mm)	0.95-3.25 (24-82.5)	0.95-3.25 (24-82.5)	0.95-3.25 (24-82.5)	0.95-3.2 (24-82.5)
Cutter bar tilt angle	degrees	0 to -10	0 to -10	0 to -10	-2 to -10
Cutter bar operating range	degrees	+18 to -32	+18 to -30	+18 to -28	+18 to -28
Breakaway angle	degrees	19	19	19	NA
Cutter bar floatation		NA	NA	NA	Vertical and lateral, adjustable springs
Type cutterbar		MowMax™ cutterbar, modular, w/individual sealed reservoirs			
Number of discs		5	6	7	8
Knives per disc		2	2	2	2
Disc cutting diameter	in. (mm)	19.7 (500)	19.7 (500)	19.7 (500)	19.7 (500)
Disc drive		Bevel gears in sealed modules			
Disc speed	RPM	3,000	3,000	3,000	2,835
Cutter bar gear protection		Std. ShockPRO: easy replace ShockPRO hub with a partial complement of sacrificial splines			
Swath width, approx standard**	in. (mm)	80 (2032)	94 (2388)	110 (2794)	95 (2413)
Swath width with optional swathboards**	in. (m)	48 (1219) includes LH & RH swathboards	62 (1575) includes LH & RH swathboards	78 (1981) includes LH & RH swathboards	NA
Driveline					
Minimum PTO horsepower required	hp (kW)	45 (33.5)	55 (40.9)	60 (44.7)	60 (44.7)
Input speed	RPM	540	540	540	540
PTO shaft spline/size required		6-spline/ 1-3/8"	6-spline/ 1-3/8"	6-spline/ 1-3/8"	6-spline/ 1-3/8"
Driveline protection		Belt drive to cutter bar	Belt drive to cutter bar	Belt drive to cutter bar	Slip clutch
Overrunning clutch		●	●	●	●
Belt tension		Spring-loaded tensioner with adjustment gauge	Spring-loaded tensioner with adjustment gauge	Spring-loaded tensioner with adjustment gauge	NA
Hydraulics and hitch					
Hydraulic circuits required		One remote	One remote	One remote	Two remotes
Minimum relief pressure required	psi (bar)	1,500 (104)	1,500 (104)	1,500 (104)	1,500 (104)
Hitch		Category I or II	Category II	Category II	Category II drawbar
Dimensions and weight					
Overall width	in. (mm)	138.75 (3524)	160.25 (4070)	181.75 (4616)	196 (4978)
Overall length	in. (mm)	42.5 (1080)	50.5 (1283)	50.5 (1283)	183 (4648)
Height - transport position*	in. (mm)	98 (2489)	119.5 (3035)	141 (3581)	62 (1575)
Weight, shipping	lb. (kg)	1,440 (653)	1,610 (730)	1,750 (794)	3,035 (1379)
Weight, operating	lb. (kg)	1,300 (590)	1,460 (662)	1,590 (721)	2,610 (1186)
Maximum transport speed		NA	NA	NA	20 mph/ 32.2 kph
Tires/wheels		NA	NA	NA	27 x 9.5 x 15 6 PR

ECONOMY DISC MOWERS

MODELS		HM234 MOUNTED	HM235 MOUNTED	HM236 MOUNTED
Cutter Bar				
Cutting width	ft. in. (mm)	5' 6" (1676)	6' 9" (2057)	7' 11" (2413)
Cutting height	in. (mm)	0.63-2.36 (16-60)	0.63-2.36 (16-60)	0.63-2.36 (16-60)
Cutter bar tilt angle	degrees	0 to -8	1 to -8	2 to -8
Cutter bar operating range	degrees	+18 to -30	+18 to -30	+18 to -30
Breakaway angle	degrees	21	21	21
Type cutterbar		Enclosed gear drive	Enclosed gear drive	Enclosed gear drive
Number of discs		4	5	6
Knives per disc		2	2	2
Disc cutting diameter	in. (mm)	20.47 (520)	20.47 (520)	20.47 (520)
Disc drive		Spur gear drive in common sump	Spur gear drive in common sump	Spur gear drive in common sump
Disc speed RPM		3,154	3,154	3,154
Cutter bar gear protection		No	No	No
Swath width, approx standard**	in. (mm)	50 (1270) includes std. RH swath wheel	65 (1651) includes std. RH swath wheel	79 (2007) includes std. RH swath wheel
Swath width with optional swath wheel**	in. (m)	38 (965) w/LH swath wheel	53 (1346) w/LH swath wheel	67 (1702) w/LH swath wheel
Driveline				
Minimum PTO horsepower required	hp (kW)	35 (26.1)	40 (29.8)	50 (37.3)
Input speed	RPM	540	540	540
PTO shaft spline/size required		6-spline/ 1 3/8"	6-spline/ 1 3/8"	6-spline/ 1 3/8"
Driveline protection		Belt drive to cutter bar	Belt drive to cutter bar	Belt drive to cutter bar
Overrunning clutch		●	●	●
Belt tension		Adjustable drawbolt	Adjustable drawbolt	Adjustable drawbolt
Hydraulics and hitch				
Hydraulic circuits required		One remote	One remote	One remote
Minimum relief pressure required	psi (bar)	2,320 (160)	2,320 (160)	2,320 (160)
Hitch		Category I or II	Category I or II	Category II
Dimensions and weight				
Overall width	in. (mm)	134.25 (3410)	149.21 (3790)	178.35 (4530)
Overall length	in. (mm)	54.33 (1380)	54.33 (1380)	54.33 (1380)
Height - transport position*	in. (mm)	92.52 (2350)	107.48 (2730)	122.44 (3110)
Weight, shipping	lb. (kg)	933 (423)	1016 (461)	1215 (551)
Weight, operating	lb. (kg)	822 (373)	906 (411)	1077 (489)
Maximum transport speed		NA	NA	NA
Tires/wheels		NA	NA	NA

● Standard

Note: 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 on HM Series models, 24-inch (609 mm) hitch-pin height above ground on H6730 models, and 18-inch (457 mm) hitch-pin height above ground on H6740 and H6750 models

** Heavy swaths may fluff out to a wider swath after exiting the swathboard(s)

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