

Sales Information



New Holland Disc Mowers



Prior Model	Tractor Attachment	New Models
615	3-point	H6730
616	3-point	H6740
615	3-point	H6750
New	Pull-Type	H6830

Model	Tractor Attachment
HM234	3-point
HM235	3-point
HM236	3-point



Category: Disc Mowers
 Series/Model: H6000 Series/HM200
 Document: HFA-30211-09
 Date: Jan. 2009

HAYTOOLS

This is a Sale Education document not to be used for advertisement.

Sales Information

Introduction:

The New Holland disc mowers are very versatile. Any operator can use these disc mowers for mowing fields, roadsides, around ponds, and around buildings. The disc mowers are available in a variety of sizes, and now a pull-type disc mower is available. Here are the HP requirements for the disc mower models:



Model	Tractor Attachment	HP Requirement
H6730	3-point	45
H6740	3-point	55
H6750	3-point	60
H6830	Pull-Type	60

Hitch & Frame:



The H6730, H6740, and H6750 Disc Mowers are equipped with a heavy-duty frame which consists of a hitch yoke, pivot post, and a lift arm. The H6730 unit requires a Category I or II 3-point hitch, while the H6740 & H6750 require a Category II 3-point hitch. All 3-point mounted units require one hydraulic remote.

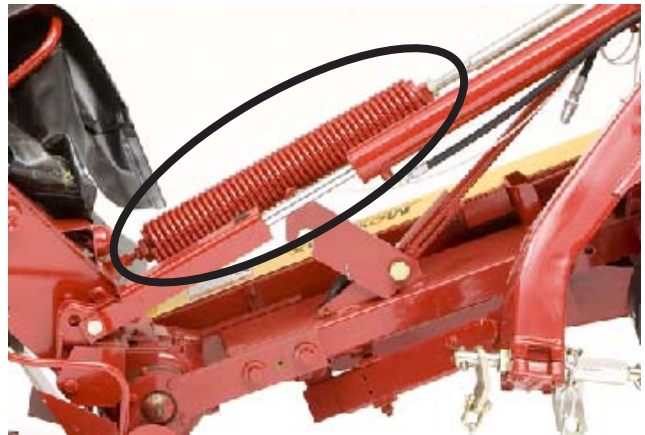


The H6830 Pull-type disc mower requires an ASAE category II drawbar and comes standard with a clevis hitch and safety chains. The H6830 requires two hydraulic remote valves on the tractor.

The New Holland H6700 Series Disc Mowers have a breakaway latch located on the hitch and frame mount. The latch will breakaway, up to 19 degrees, if the mower comes in contact with an immovable object. If the cutterbar does break away, the operator simply reverses the tractor and mower and the latch automatically re-engages.



Additionally, the H6700 models are equipped with a flotation spring which takes weight off of the cutterbar and allows easier vertical cutterbar movement when a rock or other obstructions are encountered.



The H6830 header is suspended from the main frame of the machine. The header has both vertical and lateral flotation to help avoid damage from obstacles in field. Header flotation is controlled by large flotation springs to ensure quick header response. In addition, the flotation springs are easily adjusted by turning the anchor bolt. This system provides flotation for the cutterbar to avoid damage and bulldozing. When set properly, the head will just stay on the ground to provide even cutting in depressions or uneven terrain.



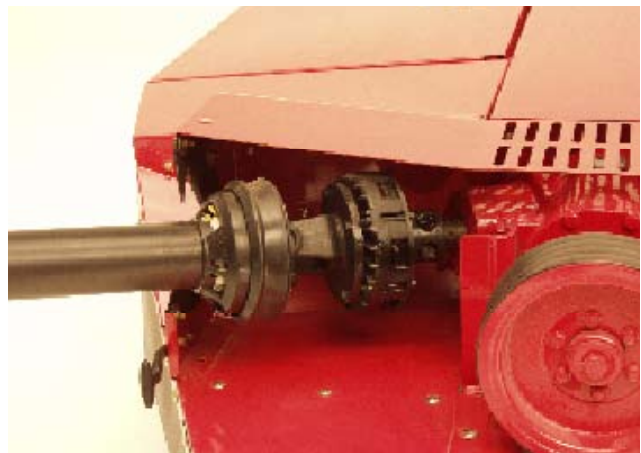
Sales Information

Driveline:

The H6730, and H6740 are equipped with a standard 540 RPM PTO driveline. All Mounted units are equipped with an over-running clutch for tractor driveline protection. The H6750 comes standard with a heavy-duty 540 RPM PTO driveline.

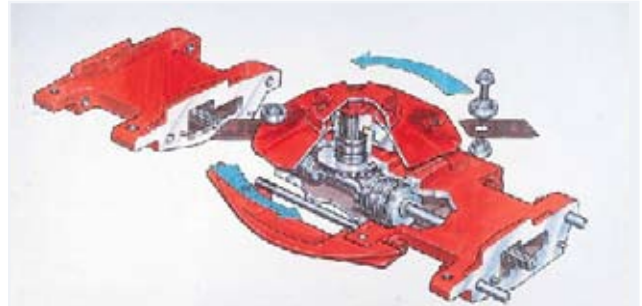


The H6830 comes standard with a 540 rpm PTO drive, with a pivoting 80 degree Constant Velocity (CV) primary PTO shaft. The constant velocity universal joint provides smooth, quiet operation without driveline noise or vibration when making tight turns. The shaft is also equipped with a slip and over-running clutch for tractor driveline protection. If the cutterbar comes into contact with something, the clutch will slip, which helps to protect the tractor PTO system and the disc mower. The secondary PTO has a standard universal joint (shown at right.) An optional secondary shaft with a CV joint is available through service parts. Order part #87748399. This optional shaft allows operation in the transport position which enables the operator to “steer” the unit around obstacles in the field.



MowMax Cutterbar:

The cutterbar on all of the disc mower models (not economy models) have individual gear modules which have a sealed oil bath for all the internal parts. The modules also have a dipstick and a 50 hour recommended oil check. There is a mandatory 200 hour or seasonal oil replacement for the gear oil in the modules. The modules only take 10 oz. of gear oil, making it reasonable to change in the modules.



The H6730 has a cutting width of 6' 8" with a 5-disc modular cutterbar. The H6740 has a 7' 10" cutting width with a 6-disc modular cutterbar. The H6750 has a cutting width of 9' 2" and has a 7-disc modular cutterbar.



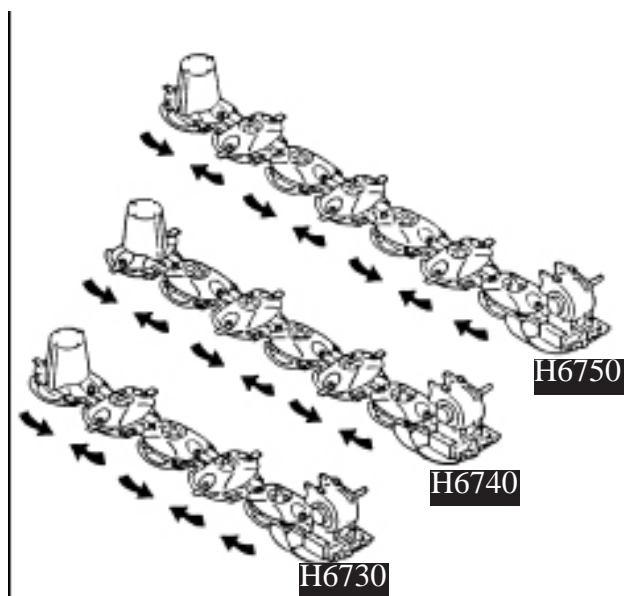
The H6830 has a cutting width of 10' 4" with a 8-disc modular cutterbar.



The cutterbars are designed with crop flow in mind. As the crop encounters the cutterbar, the combinations of rotating discs allow crop to smoothly exit the rear of the unit with out plugging.



H6830



Sales Information

MowMax™ True Modular Cutterbar

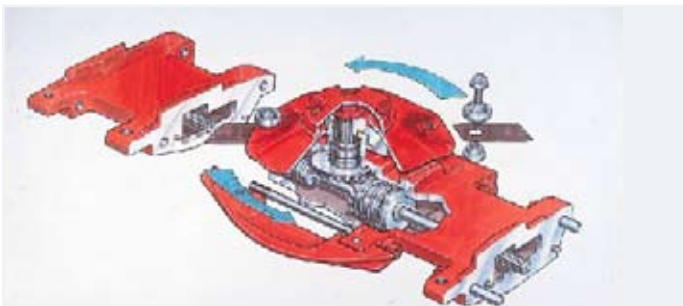
The MowMax™ true modular cutterbar with ShockPRO™ disc hubs is the latest advance in modular cutterbar technology. Each disc module is an individually sealed gear case with a dedicated oil reservoir. Even when cutting on slopes, there's never an oil starvation issue. The gears stay fully lubricated and 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 full-width drive shaft that can twist or shear. When routine maintenance is required, it's fast and inexpensive. External structural damage can be repaired by just replacing module segments.

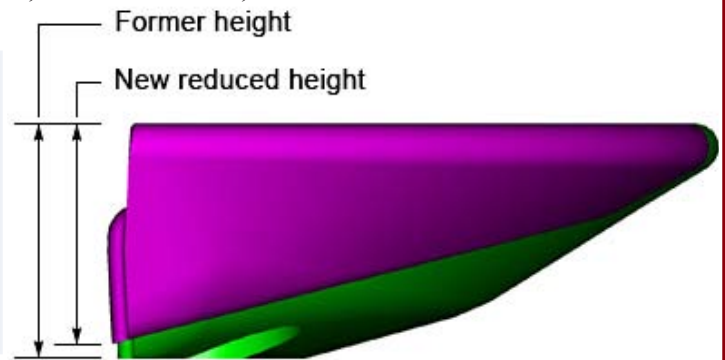
Discs spin at 3000 rpm producing a knife tip speed of 187 mph to slice through dense, wet crops, fire ant hills or gopher mounds.

Two cutting edges on each knife provide for 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 requirement to raise the header or reach from the back of the cutterbar to access the knife bolts.

ShockPRO disc hubs protect the entire cutterbar driveline, minimizing downtime and repair costs if a foreign object is hit in the field. The economical, ShockPRO hubs absorb the shock of the impact before damage to expensive drive components can occur. ShockPRO hubs can easily be replaced in the field, in under 7 minutes, at minimal cost.



True modular design



Rock Guard Side Profile

- Common components (discs, modules, drive components).
- Separate, individually sealed gearboxes with dedicated oil reservoirs eliminate oil starvation issues with continuous cutting on inclines, and they isolate cutterbar damage
- Standard 14-degree and optional 7-degree twist reversible knives. Optional 14-degree twist, reversible, serrated knives are ideally suited for sandy soils or abrasive operating conditions and provide long life in these harsh working environments. Special-design reversible rock knives improve knife life when operating in extremely stony conditions.

What's the difference between **MowMax™ true modular cutterbar and the prior New Holland modular cutterbar?**

Cleaner Cutting

- Reduced height rock guard for closer cutting at a flatter cutting angle to reduce scalloping. Large disc overlap ensures cleaner cutting, and counter rotating discs are less prone to streaking. (Directly above)
- Stepped modular spacers give a straighter cutterbar for more even cut height.

More durability

- Tighter top cap bearing to housing fit extends bearing life.
- Stronger top cap gear tooth back. The gear no longer needs to be the “sacrificial” part, (the part that breaks to avoid other parts breaking.)
- Stepped cutterbar spacers between modules improve the straightness of the cutterbar, allowing it to run more lightly on the ground for less wear, less damage and more consistent cut height. Also allows less wear module shaft splines.
- More gentle bends in the knife bolt area of disc reduces wear concentration.
- Hardened alloy shafts with rubber snubber dampeners minimize vibration wear to the spline area.



ShockPRO Hubs



Partial Complement of Splines

Less Down Time

- ShockPRO™ hub heads off shock loads from contact with foreign objects before damage to drive components occurs.
- ShockPRO hub is quickly and easily replaced at minimal cost. Less than 5-7 minutes to replace in the field.

Easier service

- ShockPRO hubs eliminate the need to change top cap gear assemblies when foreign objects are encountered.
 - A. A partial complement of splines allows the hub to fail instead of the drive components.
 - B. A clamp load drives the disc after the ShockPRO hub breaks and prevents a domino effect by allowing disc to partially re-time itself.



Top cap gear assembly

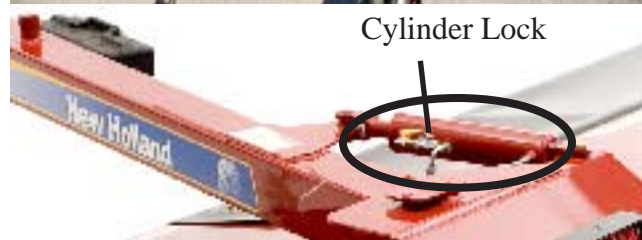
Sales Information

Transport:

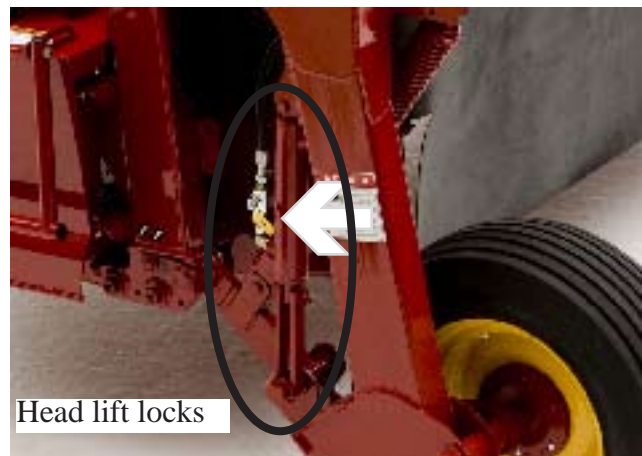
The H6700 series Disc Mowers are easily put into the transport mode. The operator uses the remote hydraulic header to operate the lift cylinder and the cutterbar will rise. Once the cutterbar is raised to transport, a lock will engage. To disengage the lock, simply pull the lock cord and cutterbar will release and it can be lowered hydraulically.



The H6830 Disc Mower tongue is adjustable for transport and field operation purposes only when tractor PTO is not engaged. The tongue is equipped with a cylinder lock out valve. This cylinder lock will keep the tongue from swinging during transport or field operation. The transport width of the H6830 is 10' 10".



The H6830 is equipped with header lift locks. These locks can be easily engaged or disengaged by simply moving the hydraulic lever. By moving the handle, the oil supply to the cylinder is shut down and no oil movement through the cylinder is allowed.



HM200 Economy Models

Model	Tractor Attachment	HP Requirement
HM234	3-point	35
HM235	3-point	40
HM236	3-point	50

The HM234, HM235, and HM236 Disc Mowers are equipped with a heavy-duty frame which consists of a hitch yoke, pivot post, and a lift arm. The HM234 and HM235 unit requires a Category I or II 3-point hitch, while the HM236 requires a Category II 3-point hitch. All 3-point mounted units require one hydraulic remote.

Additionally, the HM200 models are equipped with a flotation spring which takes weight off of the cutterbar and allows easier vertical cutterbar movement when a rock or other obstructions are encountered.

The HM234, HM235, and HM236 are equipped with a standard 540 RPM PTO driveline. All mounted units are equipped with an over-running clutch for tractor driveline protection.



Sales Information

Cutterbar

The HM200 series economy mower line-up consists of different sizes of disc mowers. The HM234 has 4-disc cutterbar and a cutting width of 5' 6". The HM235 has a 5-disc cutterbar and a cutting width of 6' 9". The biggest HM200 series disc mower, the HM236, has a cutting width of 7' 11" with a 6-disc cutterbar.

The cutting height of the HM200 series disc mowers are 0.63-2.36", which allows the operator to adjust a good range of stubble heights.



The enclosed gear-driven cutterbar provides for years of reliable service. Rock guards and skid shoes protect discs and carry cutterbar over uneven ground. Also, the knives are made from high-quality steel and they are double sided so they last twice as long.

For all models, there is an optional swath divider wheel that separates each cut path. (shown to the right)



Cutterbar Upgrade 2009

New for 2009, the cutterbar for the HM200 economy mowers have heavy duty discs and hubs. The discs are made of heavier steel and last longer when cutting in the field when compared to the recent discs on the economy cutterbar. The hub and disc are separate and make it less expensive to replace.



Transport:

The HM200 series Disc Mowers are easily put into the transport mode. The operator uses the remote hydraulic header to operate the lift cylinder and the cutterbar will rise. Once the cutterbar is raised to transport, a lock will engage. To disengage the lock, simply pull the lock cord and cutterbar will release and it can be lowered hydraulically.



Sales Information

New Holland H6700 Series Heavy-duty Disc Mower Specifications



H6730 H6740 H6750

MODEL	H6730	H6740	H6750
CUTTER BAR			
Cutting width, ft. in. (mm)	6' 8" (2040)	7' 10" (2400)	9' 2" (2800)
Cutting height, in. (mm)	95-3.25 (24-82.5)		
Cutter bar tilt angle, degrees	0 to -10		
Cutter bar operating range, degrees	+18 to -32	+18 to -30	+18 to -28
Breakaway angle, degrees	19		
Type cutterbar	Modular with individual sealed reservoirs		
Cutterbar drivetrain protection	Std.-frangible splines in disc drive hub		
Number of discs	5	6	7
Knives per disc	2		
Disc cutting diameter, in. (mm)	19.7 (500)		
Disc drive	Bevel gears in sealed modules		
Disc speed, RPM	3,000		
DRIVELINE			
Minimum PTO horsepower required, hp (kW) ¹	45 (33.5)	55 (40.9)	60 (44.7)
Input speed, RPM	540		
Driveline protection	Belt drive to cutter bar		
Overrunning clutch	On PTO shaft		
Belt tension	Spring-loaded tensioner with adjustment gauge		
HYDRAULICS AND HITCH			
Hydraulic circuits required	One remote		
Minimum relief pressure required, psi (bar)	1,500 (104)		
Hitch	Category I or II	Category II	Category II
DIMENSIONS AND WEIGHT			
Overall width, in. (mm)	138.75 (3524)	160.25 (4070)	181.75 (4616)
Overall length, in. (mm)	42.5 (1080)	50.5 (1283)	50.5 (1283)
Height - transport position, in. (mm)	98 (2489) ²	119.5 (3035) ³	141 (3581) ³
Weight, lb. (kg)	1,200 (546)	1,460 (662)	1,590 (698)

¹ Recommended for use with tractors having a fully enclosed cab.

² Transport height is based on 24-inch (609-mm) hitch-pin height above ground on H6730 model.

³ Transport height is based on 18-inch (457-mm) hitch-pin height above ground on H6740 and H6750 models.

New Holland H6830 Heavy-duty Pull-type Disc Mower Specifications



H6830

MODEL

CUTTER BAR

Cutting width, ft. in. (m)
 Cutting height, in. (m)
 Cutter bar tilt angle, degrees
 Type cutterbar
 Number of discs/knives per disc
 Disc speed @ rated PTO speed, rpm
 Cutterbar drivetrain protection
 Cutter bar floatation
 Swath width, less shields, in. (m)

H6830

10' 4" (3160)
 0.95-3.2 (24-81)
 -2 to -10
 Modular, w/individual sealed reservoirs
 8/2
 2,835
 Std.-frangible splines in disc drive hub
 Vertical and lateral, adjustable springs
 95 (2.4)

DRIVELINE

Input speed, RPM
 Driveline protection

540
 Slip clutch and overrunning clutch assembly
 @ rear of PTO shaft

TRACTOR REQUIREMENTS

Minimum PTO horsepower required, hp (kW)
 Hydraulic circuits required
 Minimum relief pressure required, psi (bar)
 Drawbar/3 pt. hitch requirements

60 (45)
 2
 1,500 (103)
 ASAE category II drawbar

TIRES

Tubeless ag rib implement tires

27x9.5-15 6PR

TRANSPORT SPEED, MAXIMUM, mph (k/h)

20 (32.19)

DIMENSIONS AND WEIGHT

Width, transport, ft. in. (m)
 Width, operating, ft. in. (m)
 Length, transport, ft. in. (m)
 Length, operating, ft. in. (m)
 Height, transport, in. (m)
 Height, operating, in. (m)
 Ground clearance w/head fully raised, in. (mm)
 Weight, operating, lb. (kg)

10' 10" (3.3)
 16' 4" (4.9)
 15' 8" (4.8)
 15' 3" (4.6)
 62 (1.6)
 62 (1.6)
 11 (279)
 2,610 (1186)

Sales Information

New Holland HM200 Series Economy Disc Mower Specifications



HM234 HM235 HM236

MODEL	HM234	HM235	HM236
CUTTER BAR			
Cutting width, ft. in. (mm)	5' 6" (1.7)	6' 9" (2.1)	7' 11" (2.4)
Cutting height, in. (mm)		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	
Breakaway angle, degrees		.21	
Type cutterbar		Enclosed gear drive	
Number of discs	4	5	6
Knives per disc		2	
Disc cutting diameter, in. (mm)		20.47 (520)	
Disc drive		Spur gear drive in common sump	
Disc speed, RPM		3154	
DRIVELINE			
Minimum PTO horsepower required, hp (kW) ¹	35 PTO (26.1)	40 PTO (29.8)	50 PTO (37.3)
Input speed, RPM		540	
Driveline protection		Belt drive to cutter bar	
Overrunning clutch		On PTO shaft	
Belt tension		Adjustable drawbolt-3/4" Deflection	
HYDRAULICS AND HITCH			
Hydraulic circuits required		One remote	
Minimum relief pressure required, psi (bar)		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)	
Height - transport position, in. (mm) ²	92.52 (2350)	107.48 (2730)	122.44 (3110)
Weight, lb. (kg)	822 (373)	905 (411)	1077 (489)

¹ Recommended for use with tractors having a fully enclosed cab.

² Transport height is based on 19.7-inch (500 mm) hitch-pin height above ground.



Sales Information

Additional Notes

The information presented herein is intended for sales education purposes and is intended for the use of CNH Global N.V., its affiliates, and its independent dealers only. This information is to be treated as CONFIDENTIAL and is not to be used for advertising purposes. Competitive comparisons are based on competitive information known at time of printing. Sources of information include published industry specifications and data. General statements made herein are the opinions of the authors concluded from supporting data.

Note: Specifications are stated in accordance with industry standards or recommended practices, where applicable.

This Sales Education Document has been published for worldwide circulation. The availability of some models and equipment builds vary according to the country in which the equipment is used and sold. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. For more information about the current standard and optional equipment offered for your sales area, consult the published price listings.

Important

CNH Global N.V. reserves the right to change product specifications without notice and without incurring any obligation relating to such changes.

Any trademarks referred to herein in association with the goods and/or services of companies other than CNH Global N.V. are the property of these respective companies.

New Holland is a registered trademark of CNH Global N.V.



CNH ORIGINAL PARTS ENGINEERED FOR NEW HOLLAND EQUIPMENT. SUPERIOR QUALITY, GLOBAL SUPPORT.