

New Holland Discbine® Disc Mower-Conditioners

H7220 H7320 H7230 H7330

H7450 H7550 H7460 H7560



Tough field conditions? No problem!

Fast field speeds, quick drydown and earlier baling.

Even in tough conditions, Discbine® disc mower-conditioners quickly turn standing crop into fast-drying windrows or swaths. They slice through thick, tangled, wet crops and mow through fire ant hills and gopher mounds without missing a beat.

New Holland's extensive line of Discbine disc mower-conditioners gives you plenty of choices. From the seven-disc models that make a narrow, nine-foot cut, up to the 12-disc models that sweep through 15' 7" at a time, there's a model to match your acreage.

No matter what the cutting width, you have a choice of chevron design rubber-roll or flail conditioning. You'll also get the proven performance and durability of the MowMax™ independent modular disc cutterbar with the added protection of ShockPRO™ cutterbar protection.

MowMax™ cutterbar advantage

Discbine disc mower-conditioners feature the latest advances in cutterbar technology: the MowMax modular cutterbar with ShockPRO disc drive hubs.

New Holland's MowMax modular

cutterbar offers clear-cut advantages, like individual disc modules with sealed gear cases and independent alloy drive shafts. When cutting on slopes, the gears stay fully lubricated and work reliably. And when maintenance is required, it's fast and inexpensive.

To protect the cutterbar gears and shafts and minimize downtime and repair costs, all MowMax cutterbars are equipped with ShockPRO disc drive hubs. If you hit a foreign object in the field, the ShockPRO hubs absorb the shock of the impact before damage to drive components occurs.



Better hay conditioning

Discbine Models H7220, H7230, H7450 and H7460 feature New Holland's proven chevron-design, rubber-roll conditioning system for excellent crop conditioning and fast drydown. On Models H7320, H7330, H7550 and H7560, the flail conditioning system delivers fast drydown, allowing earlier baling. New Holland's unique tapered flail design releases crop more easily than competitive systems, producing a more uniform mat for better air circulation and more thorough drying. There's no better way to cut hay or forage.

Your choice of tongue designs

Bent tongue, center-pivot with standard drawbar or center-pivot with two-point or drawbar swivel hitch. The choice is yours, depending on the Discbine model. All three center-pivot Discbine tongue designs let you cut at any angle—to either side or directly behind the tractor—and each offers outstanding maneuverability while cutting or transporting. In fact, even the bent-tongue design can be hydraulically swung on-the-go for exceptional maneuverability around obstacles.

Model	No. of discs	Cutting width	Conditioning system
H7220	7	9'2"	Rubber rolls
H7320	7	9'2"	Flails
H7230	8	10'4"	Rubber rolls
H7330	8	10'4"	Flails
H7450	10	13'	Rubber rolls
H7550	10	13'	Flails
H7460	12	15'7"	Rubber rolls
H7560	12	15'7"	Flails



Advanced MowMax™ modular cutterbar technology

Individually sealed gearboxes for peace-of-mind reliability.

New Holland's MowMax cutterbar sets the standard for the industry. It's the secret to smooth, quiet, trouble-free mowing—and fast, inexpensive cutterbar servicing. Each disc is driven through an individually sealed gearbox with a dedicated oil reservoir. There's never an oil starvation issue, even with continuous cutting on an incline.



Two heavy-duty knives on each disc spin at 3,000 rpm for fast cutting without plugging.

Don't worry about major cutterbar damage or costly repairs because if the

mower hits an obstruction in the field, any damage remains isolated and fully contained within the module.

Cleaner MowMax cutting

The MowMax cutterbar features new, lower-profile design rockguards to allow closer cutting at a flatter cutting angle. This design also improves the straightness of the cutterbar, allowing it to run more lightly on the ground for less wear, less damage and more consistent cut height.

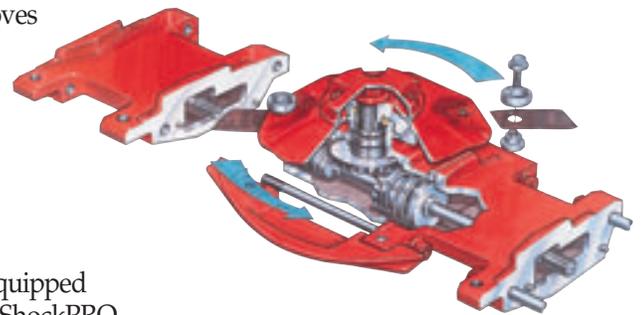
ShockPRO™ protection

MowMax cutterbars are equipped with the added protection of ShockPRO disc drive hubs. The ShockPRO hubs absorb the shock of an impact with a foreign object before damage to drive components can occur. When necessary,

ShockPRO hubs can be easily replaced in 5 to 10 minutes, at minimal cost.

Knives to match field conditions

All Discbines are available with your choice of four different knives to match your field conditions. And, for twice the



The New Holland ShockPRO™ hub heads off potential damage to gears and module drive shafts. If a ShockPRO hub fails, it can be replaced quickly with minimal cost, without requiring removal of the sealed hub. It saves you hassle, time and repair costs.



Adjustable header flotation springs and on-the-go cutting height adjustment allow you to get all the crop without scalping or knife damage.

cutting life, each knife features two cutting edges. You can flip or replace knives easily from the front of the cutterbar. No need to reach from the back of the cutterbar.

The New Holland Discbine design ensures long life and maximum capacity, even in the toughest conditions:

- To withstand punishing conditions, austempered ductile steel discs result in extra hardness, toughness and durability.
- To avoid disc and knife damage in rocky fields, simply adjust the cutting angle hydraulically from the tractor cab.
- For maximum durability, rock

guards are made of ductile iron, not stamped sheet metal like some units.

- For optimum flotation and protection, skid shoes are 8-inches wide and extend behind the module a full two inches.

The Discbine header is suspended independently from the trail frame, allowing it to react both vertically and laterally to changing ground contours.



Choose roll or flail conditioning

Produce quality hay with gentle handling and fast drydown.

Gentle, thorough conditioning from Models H7220, H7230, H7450 and H7460 starts with New Holland's legendary chevron-design, intermeshing rubber rolls. Their unique spiral design grips the crop and keeps it moving



without wrapping. The rolls crimp and crack stems evenly along the entire length of the plant, so you get

fast drydown yet retain protein-rich leaves.

Adjusting roll pressure is easy. No tools are required. Critical roll gap adjustment is made with one adjusting bolt per side; no removing or adding shims. The proven rubber chevron intermeshing conditioning roll system is the best for legume crops and mixtures of crop types.

Tapered flails provide exceptional conditioning and faster drydown in grass crops

Model H7320, H7330, H7550 and



H7560 Discbine® disc mower-conditioners provide fast-drying, time-saving flail conditioning. Customers report the New Holland flail conditioning system lets you bale grass crops up to a day earlier.

As cut crop leaves the cutterbar, up to 100 tapered flails pick up the crop and rub it together and against the conditioning hood. This action removes the



waxy layer on the stems, which allows moisture to evaporate quickly. The tapered flails release crop more easily than competitive flails — allowing the cut crop to lay on top of the stubble for better air circulation and more thorough drying.

The 102-inch (90-inch on the H7320) flail rotor thoroughly conditions a variety of crops. The low-speed rotor (optional on all models) is ideal for working in alfalfa and legumes.

The high-speed rotor (standard on all models) aggressively conditions grass crops. When working with the high-speed rotor in alfalfa and legumes, over-conditioning can be avoided by simply reducing the tractor PTO speed.

Choose the optional textured hood liner for even more aggressive grass conditioning.

From swath to windrow, adjustment is fast and easy

All Discbine® models feature fast and easy windrow shield adjustment, all without tools. Depending on crop and moisture conditions and your method of final harvesting, you can spread the cut crop in a fast-drying swath as wide as eight feet (depending on model) or down to a tight, three-foot windrow that's ready to bale or chop.



A simple turn of a hand crank lets you raise the conditioning hood away from the flails for lighter conditioning. Lower the hood for more aggressive action in grass. (Model H7330 shown)



In tight corners, these mower-conditioners maneuver with ease

Turn, pivot and go with any of three tongue designs.

Maneuverability is a given with Discbine® mower-conditioners. The narrow width of the Models H7220 and H7320 provides outstanding maneuverability in small fields, while the tongue designs of the wider models gives you the maneuverability of self propelled machines.

The center-pivot tongue design (on Models H7450, H7550, H7460 and

H7560) swings 38.5 degrees to the right or left to provide outstanding turn-and-go maneuverability.

You can cut on either side or directly behind the tractor—even on slopes and angles—and get all the crop. A center-pivot, swivel-hitch tongue (standard on Models H7460 and H7560; optional on Models H7450 and H7550) provides the ideal combination of cutting options and

exceptional maneuverability.

For making over-square corners, tight headland turns, or cutting around field obstacles, this is the tongue design you need. And you can still cut to either side or directly behind the tractor—whatever field conditions and cutting patterns demand.

A unique bent-tongue design on Models H7230 and H7330 features a



constant-velocity joint driveline and on-the-go hydraulic swing for incredible maneuverability. In fact, with the bent tongue design you can enjoy swivel hitch-like convenience and performance without the need for a three-point hitch or drawbar extension.

The constant velocity driveline allows you to mow at most any angle and make square and over-square corners without vibration or noise.



A center-pivot, swivel-hitch tongue provides even better maneuverability and tight corner cutting than a standard drawbar center-pivot.



Specifications

Model	H7220	H7320	H7230	H7330
MowMax™ Cutterbar with ShockPRO™ Hubs				
Number of discs	7	7	8	8
Number of knives	14 (2 per disc)	14 (2 per disc)	16 (2 per disc)	16 (2 per disc)
Speed, rpm	3000	3000	3000	3000
Cutting width, ft. in. (mm)	9' 2" (2800)	9' 2" (2800)	10' 4" (3160)	10' 4" (3160)
Cutting angle	.....2 to 10 degrees, mechanical or hydraulic control.....		.....2 to 10 degrees, hydraulic control.....	
Cutting height, in. (mm)	.....0.95 to 3.2 (24 to 81) with standard skid shoes.....			
Ground clearance with header fully raised, in. (mm)	17 (432)	17 (432)	18 (457)	17 (432)
Flotation	.....Vertical and lateral, adjustable springs.....			
Material Discharge				
Swath, ft. (mm)	6 (1829)	6 (1829)	7 (2134)	7 (2134)
Windrow, ft. (mm)	.....Adjustable from 3 to 6 (914 to 1829).....		.....Adjustable from 3 to 7 (914 to 2134).....	
Hydraulics				
Hydraulic swing	.....Standard (double-acting cylinder).....		.....Standard (double-acting cylinder).....	
Hydraulic lift	.....Standard (operated by two single-acting cylinders; master/slave).....			
Hydraulic tilt	.....Optional (operated by single-acting cylinder and.....		.....Standard (operated by single-acting cylinder and.....	
	.....incorporated into the lift system).....		.....incorporated into the lift system).....	
Conditioner				
Type	Chevron-design intermeshing molded rubber rolls	Flail rotor with 90 tapered flails and optional textured hood liner	Chevron-design intermeshing molded rubber rolls	Flail system with 100 tapered flails and optional textured hood liner
Length, in. (mm)	90 (2286)	90 (2286)	102 (2591)	102 (2591)
Diameter, in. (mm)	10.4 (264)	22 (560)	10.4 (264)	22 (560)
Drive	4 HB V-belt and enclosed gears	4 HB V-belt	4 HB V-belt and enclosed gears	4 HB V-belt
Speed, rpm	647	1016 std. or optional 730	635	1000 std. or optional 718
Conditioner Adjustment	Single crank adjustable roll pressure and two stop bolts to adjust roll gap	Adjustable rotor hood with replaceable smooth liner	Single crank adjustable roll pressure and two stop bolts to adjust roll gap	Adjustable rotor hood with replaceable smooth liner
Speeds				
Operating, mph (kph)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)
Transport, mph (kph)	20 (32)	20 (32)	20 (32)	20 (32)
Tubeless Ag Rib Implement Tires				
Size	9.5L x 14 6PR	9.5L x 14 6PR	11L x 15 6PR	9.5L x 14 6PR
Dimensions				
Height, Transport, ft. in. (m)	5' 8" (1.7)	5' 8" (1.7)	5' 8" (1.7)	5' 8" (1.7)
Height, Operating, ft. in. (m)	4' 5" (1.3)	4' 5" (1.3)	4' 5" (1.3)	4' 5" (1.3)
Width, Transport, ft. in. (m)	.....9' 11" (3.0) with standard drawbar hitch.....		.....11' 3" (3.4) with standard drawbar hitch.....	
Width, Operating, ft. in. (m)	.....14' 10" (4.52) with standard drawbar hitch.....		.....16' 0" (4.6) with standard drawbar hitch.....	
Length, Transport, ft. in. (m)	.....17' 7" (5.3) with standard drawbar hitch.....		.....17' 7" (5.3) with standard drawbar hitch.....	
Length, Operating, ft. in. (m)	17' 2" (5.2) with standard drawbar hitch	17' 2" (5.2) with standard drawbar hitch	17' 2" (5.2) with standard drawbar hitch	17' 8" (5.4) with standard drawbar hitch
Weight, Operating lbs. (kg)	3,690 (1674)	3,740 (1696)	4,165 (1889)	4,065 (1844)
NOTE: Rear curtain up for transport position on flail units. Windrow shields out for field and transport positions on flail and roll units.				
Drive				
	.....540 rpm PTO, enclosed gears and four HB belt.....		.....540 or 1000 rpm PTO, enclosed gears and four HB belt.....	
Drive Protection				
	.....Slip clutch and over-running clutch.....			
Tractor Requirement				
	.....65 PTO hp (48 kW) or greater with standard ASAE Category II drawbar.....		.....80 PTO hp (60 kW) or greater with standard ASAE Category II drawbar.....	
	..... All models require two remote hydraulic valves capable of 1500 psi (10343 kPa), 7-pin SAE J560 connector for transport lights.....			

Model	H7450	H7550	H7460	H7560
MowMax™ Cutterbar with ShockPRO™ Hubs				
Number of discs	10	10	12	12
Number of knives	20 (2 per disc)	20 (2 per disc)	24 (2 per disc)	24 (2 per disc)
Speed, rpm	3000	3000	3000	3000
Cutting width, ft. in. (mm)	13 (3960)	13 (3960)	15' 7" (4795)	15' 7" (4795)
Cutting angle	.....2 to 10 degrees, hydraulic control.....			
Cutting height, in. (mm)	.....0.95 to 3.2 (24 to 81) with standard skid shoes.....			
Ground clearance with header	18 (457)	18 (457)	18 (457)	18 (457)
Flotation	.....Vertical and lateral, adjustable springs.....			
Material Discharge				
Swath, ft. (mm)	8 (2438)	8 (2438)	8 (2438)	8 (2438)
Windrow, ft. (mm)	.....Adjustable from 3 to 8 (914 to 2438).....			
Hydraulics				
Hydraulic swing	.....Standard (double-acting cylinder).....			
Hydraulic lift	.....Standard (operated by two single-acting cylinders; master/slave).....			
Hydraulic tilt	.....Standard (operated by single-acting cylinder and incorporated into the lift system).....			
Conditioner				
Type	Chevron-design intermeshing molded rubber rolls hood liner	Flail system with 100 tapered flails and optional textured	Chevron-design intermeshing molded rubber rolls	Flail system with 100 tapered flails and optional textured hood liner
Length, in. (mm)	102 (2591)	102 (2591)	102 (2591)	102 (2591)
Diameter, in. (mm)	10.4 (264)	22 (560)	10.4 (264)	22 (560)
Diameter, in. (mm)	4 HB V-belt and enclosed gears	4 HB V-belt	4 HB V-belt and enclosed gears	4 HB V-belt
Speed, rpm	740	1011std or optional 726	740	1000 std or optional 726
Conditioner Adjustment	Single crank adjustable roll pressure and two stop bolts to adjust roll gap	Adjustable rotor hood with replaceable smooth liner	Single crank adjustable roll pressure and two stop bolts to adjust roll gap	Adjustable rotor hood with replaceable smooth liner
Speeds				
Operating, mph (kph)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)
Transport, mph (kph)	20 (32)	20 (32)	20 (32)	20 (32)
Tubeless Ag Rib Implement Tires				
Size	31 x 13.5-15	31 x 13.5-15	31 x 13.5-15	31 x 13.5-15
Dimensions				
Height, Transport, ft. in. (m)	6' 8" (2.6)	6' 8" (2.6)	6' 8" (2.6)	6' 8" (2.6)
Height, Operating, ft. in. (m)	5' 8" (1.7)	5' 8" (1.7)	5' 8" (1.7)	5' 8" (1.7)
Width, Transport, ft. in. (m)	.....13' 2" (4.0) with standard drawbar hitch, 2-pt swivel hitch..... .....or drawbar swivel hitch.....		.....15' 9" (4.8) with 2-pt swivel hitch or drawbar swivel hitch.....	
Width, Operating, ft. in. (m)	.....19' 5" (5.9) with standard drawbar hitch..... .....21' 3" (6.5) with 2-pt swivel hitch..... .....19' 7" (5.9) with drawbar swivel hitch.....		.....24' 11" (7.6) with 2-pt swivel hitch..... .....23' 3" (7.1) with drawbar swivel hitch.....	
Length, Transport, ft. in. (m)	.....24' 7" (7.2) with standard drawbar hitch..... .....26' 5" (8.1) with 2-pt swivel hitch..... .....25' 5" (7.4) with drawbar swivel hitch.....		.....30' 5" (9.3) with 2-pt swivel hitch..... .....29' 5 in. (8.7) with drawbar swivel hitch.....	
Length, Operating, ft. in. (m)	20' 2" (5.8)) w/std drawbar hitch	20' 8" (6.3)) w/std drawbar hitch	.....25' 2" (7.7) with 2-pt swivel hitch.....	.....24' 2" (7.4) with drawbar swivel hitch.....
	22' 1" (6.7) w/2-pt swivel hitch	22' 7" (6.9) w/2-pt swivel hitch		
	21' 1" (6.1) w/drawbar swivel hitch	21' 7" (6.6) w/drawbar swivel hitch		
Weight, Operating lbs. (kg)	5,800 (2631)	5,680 (2576)	6,500 (2948)	6,380 (2894)
Drive				
	.....1000 rpm PTO, enclosed gears and four HB belt.....			
Drive Protection				
	.....Slip clutch and over-running clutch.....			
Tractor Requirement				
	.....90 PTO hp (67 kW) or greater with standard Category II,.... .....or Category III drawbar or Category III 3-point hitch.		.....100 PTO hp (74.5 kW) or greater with Category III..... .....drawbar or Category III 3-point hitch.	
All models require two remote hydraulic valves capable of 1500 psi (10343 kPa), 7-pin SAE J560 connector for transport lights.....			

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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

NH7030804 • 080840 • MG • PRINTED IN U.S.A.