

# DISCBINE® DISC MOWER-CONDITIONERS

Discbine 310 | Discbine 312





# High productivity. Versatile operation. Easy to own.

**NEW Discbine® 310 and 312 disc mower-conditioners** mow cleanly and maneuver quickly to speed up your hay and forage making. Their NEW low-profile disc cutterbar cuts close at a shallow angle, slicing cleanly through the lightest grass or toughest down and tangled crops, and produce clean, good-looking mown fields. They offer productive 10' 4" and 11' 6" cutting widths, a choice of effective conditioning systems, a low power requirement, and simple maintenance that makes them easy to own.

## Trouble-free, center-pivot performance for even the tightest spaces

Mow right, left or any way you like. The productive center-pivot design lets you lay down long continuous swaths that save mowing, tedding, raking, and baling time. By alternating the mowing position on subsequent passes, you improve your efficiency throughout the haymaking process, from cutting, through baling or harvesting.

## Time-saving maneuverability

Discbine Models 310 and 312 are at home in large fields as well as small or oddly shaped ones. The maneuverable center-pivot tongue and standard swivel gearbox hitch permit confident, fast operation and easy, trouble-free headland turns. The swivel gearbox hitch allows turns greater than 90° while the PTO angle remains virtually unchanged to practically eliminate driveline chatter through the tightest turns.



Model	Tractor Requirement	Cutting Width	Tongue Design	Conditioning System
Discbine 310	82 PTO hp	10'4" (3.15 m)	Center-pivot	Chevron Rubber Rolls OR Steel Y-Tine Flail
Discbine 312	87 PTO hp	11'6" (3.51 m)	Center-pivot	Chevron Rubber Rolls OR Steel Y-Tine Flail

### Big productivity meets a low power requirement

Cut 10' 4" on every pass with the Model 310 or choose additional 10% wider cut with the 11' 6" cut of the Model 312. The modest 82 and 87 PTO horsepower requirement make these models well suited for tractors commonly used in haymaking operations.



### Transport confidently between farm and field

The narrowest roads, tight 12-foot gates, and old cattle guards are no trouble at all. The center tongue and folding guards ensure a road transport width that's no wider than the cutting width.





# Leave no crop behind.

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## Cut clean on every pass, every time

You cut every bit of crop when you choose a Discbine® 310 or 312 disc mower-conditioner. Their NEW low-profile disc cutterbar cuts low and clean, resulting in uniform stubble height, even when working in grass and the lightest crops. The shallow working angle also means crop flows smoothly over the cutterbar into the conditioner for even conditioning. The high-capacity counter-rotating discs move crop rearward, out of the knife path and into the conditioner.





### Peace of mind and simplified maintenance that saves time

Large-diameter gear wheels operate in a sealed oil bath for continuous lubrication, and top-serviceable disc drive modules ensure strength, reliability and easy ownership. A single cutterbar oil change point makes for convenient and simple periodic maintenance.

The disc cutterbar is well protected from the front, top and bottom. Special replaceable counter knives positioned between each pair of discs provide extra frontal protection and are raised to deflect bent or damaged knives. For added peace of mind, the cutterbar is outfitted with combined skid shoe and rock guard assemblies that extend forward beyond the disc path, protecting each disc while providing full coverage completely enclosing the underside. The smooth underside of the cutterbar prevents damage to crop stubble and glides gently across newly seeded fields.



### Stay sharp with the QuickMax™ knife change system

The QuickMax™ knife system is standard on the Discbine 310 and 312, which means you never need to compromise cut quality. The special knife-release tool easily frees the blade from the disc, so knife maintenance is fast and your cut quality is assured.

### Simple and convenient adjustments

Working in difficult conditions? It's easy to adjust cutting height from less than one inch to nearly four inches, or outfit the cutterbar with optional raised skid shoes to cut over five-inches high. A cutterbar angle indicator is included for precise, fast, and easy adjustments.

### Mow more comfortably

Flotation tires take the bumps out of rough field conditions, protecting the machine and reducing operator fatigue. The wide tire position offers extra stability during high-speed turns and the tread helps prevent the mower from slipping while mowing side hills.



### Accurate and responsive mower suspension

A unique suspension geometry allows the Discbine 310 and 312 to precisely follow field contours while protecting the disc cutterbar at the same time. The unique system allows the disc cutterbar to tip back on the skid shoes and follow contours to maintain a consistent knife height. As the cutterbar adjusts to terrain, the responsive system automatically adjusts the vertical spring force. In the event of a collision, the rearward cutterbar tipping action momentarily increases the spring force, making the cutterbar lighter and allowing the cutterbar to rise up and over obstructions.



# Reduce drying time for increased forage value.

## Fast, effective conditioning choices

The highest-quality forages are those that have been dried quickly. New Holland offers you two crop conditioning choices that lead to fast drydown — gentle, chevron roll conditioning or the all-new Y-tine flail system. Both conditioning systems cover 85% of the working width for high capacity, and produce well-formed, fast-drying windrows and wide swaths.



### Y-tine flail conditioning

The fast rotating Y-tines efficiently strip wax from difficult-to-dry grasses. Simply adjust the conditioning hood to control the conditioning intensity. Raising the hood increases tine clearance while lowering the hood decreases tine clearance for higher intensity conditioning. A low rotor speed is possible for gentle and effective conditioning of delicate grass crops.



### Chevron intermeshing rubber rolls

The versatile crimping and crushing action of New Holland chevron rubber rolls is ideal for legumes, coarse grasses, and mixed hay crops. The system thoroughly conditions tough crop stems using fully adjustable rubber conditioning rollers that protect leaves, grip slick crops, and uniformly crimp and crack stems to release moisture fast. Belts positively drive the synchronized conditioning rolls for maximum power transfer while protecting the drive system.

Model		Discbine 310 (Steel)	Discbine 310 (Chevron Rubber)	Discbine 312 (Steel)	Discbine 312 (Chevron Rubber)
<b>Cutterbar</b>					
Cutting width	ft. in. (m)	10' 4" (3.15)		11' 6" (3.51)	
Cutterbar type		Low profile disc cutterbar			
Number of discs		8		9	
Knives per disc		2		2	
Tilt angle	degrees	0-9°			
Flotation		Top Safe cutterbar angle & vertical movement			
Theoretical cutting height	in (mm)	1-3.9 (25-100)			
Cutting height w/opt. high-stubble shoes	in (mm)	2.2-5.1 (55-130)			
<b>Roll Conditioner</b>					
Type		—	Chevron Rubber Roll	—	Chevron Rubber Roll
Width	ft. (m)	—	8.25 (2.51)	—	9.5 (2.92)
Drive method		—	Belt driven, synchronized roll drive	—	Belt driven, synchronized roll drive
Speed	rpm	—	970	—	970
Conditioner roll tension adjustment		—	Spring Tension	—	Spring Tension
Conditioner gap adjustment		—	Adjustable, stop bolt	—	Adjustable, stop bolt
<b>Steel Y-Tine Flail Conditioner</b>					
Type		Y-Tine Flail Rotor with 70 flails	—	Y-Tine Flail Rotor with 86 flails	—
Drive method		Belt driven	—	Belt driven	—
Speed	rpm	1000	—	1000	—
Conditioner gap adjustment		Central, Single point	—	Central, Single point	—
<b>Crop discharge</b>					
Swath width	ft. (m)	8.2 (2.5)	6.5 (2.0)	9.2 (2.8)	6.5 (2.0)
Windrow width	ft. (m)	4-6.5 (1.2-2.0)	4-6.5 (1.2-2.0)	4-6.5 (1.2-2.0)	4-6.5 (1.2-2.0)
<b>Driveline</b>					
PTO shaft spline/size		1 3/8- 21 Spline			
Input speed	rpm	1000 (only)			
Drive protection		Combined Friction Slip & Overrunning Clutch Assembly			
<b>Tongue</b>					
Type		Center Pivot			
Hitch type		2-point semi mounted swivel hitch attachment, Category II Only (Not quick hitch compatible)			
<b>Tractor Requirements</b>					
Minimum PTO power requirement	hp (kw)	82 (60)		87 (64)	
Hydraulic circuits required		1 SA, 1 DA			
3-pt. hitch category		Category II, Three-point			
Tires		380/55-17 Tubeless Ag Rib Implement Tires			
Transport speed	mph (kph)	20 (32)			
<b>Dimensions</b>					
Width transporting	ft. in. (m)	9' 10" (3.0)		11' 4" (3.46)	
Width operating	ft. in. (m)	16' (4.9)		17' 10" (5.45)	
Length transport	ft. in. (m)	19' 7" (5.96)		21' (6.41)	
Height transport	ft. in. (m)	6' 5" (1.95)		6' 5" (1.95)	
Ground clearance with head fully raised	in. (mm)	19 (481)		19 (481)	
*Weight	lbs (kg)	5290 (2400)		5776 (620)	

— Not available \*Approximated



# VALUE, SERVICE AND SOLUTIONS

There's a certain way of thinking that comes from living on a farm. Farming takes equal parts brain and brawn. Not to mention thick skin, calloused hands and a fair share of know how. Seasoned farmers know it helps to have equipment that's built by farmers, sold by farmers and used by farmers.

**Support at every step.** When you place your confidence in New Holland agricultural equipment, you get the finest in local support. Your New Holland dealer understands the many challenges you face and stands behind you at every step with the equipment, parts, service and financial solutions to make your job easier. Look to New Holland for a complete selection of equipment, including a full line of tractors, hay & forage equipment, harvesting, crop production and material handling equipment.

**Quality parts and service.** Turn to your New Holland dealer after the sale for expert, factory-trained service and genuine New Holland-branded parts. Your dealer has the very latest service updates and training to ensure your equipment keeps working productively season after season.

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For reliable equipment, parts and service — or just honest advice on farming and finance — turn to New Holland and your trusted New Holland dealer. We know. We're farmers, too.



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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.

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