

# DISCBINE®

## DISC MOWER-CONDITIONERS

Discbine® 313 | Discbine® 316 | H7230



# Closer cutting. Faster drydown. Increased durability.

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Center-pivot Discbines are redefining the disc mower-conditioner industry by taking mowing performance to new levels. The 13-foot Discbine 313 and 16-foot, three-inch Discbine 316 are designed with increased durability and features that lead to cleaner cutting, more efficient crop flow, and smoother, more effective conditioning.

## MowMax™ II large-disc cutterbar

Originally featured on Durabine™ heads used on Speedrower® self-propelled windrowers, the rugged MowMax™ II cutterbar features larger gears, bearings, interconnecting shafts, and big 24.3-inch discs for maximum durability. All interconnecting drive shafts feature a cut spline and are heat treated for maximum durability. A larger and heavier ShockPRO™ hub completes the drive components to protect the cutterbar driveline for maximum uptime.

## The benefits of big discs

A larger disc diameter allows for closer cutting with less cutterbar tilt for consistent cutting height without scalloping. You can easily adjust cutting height hydraulically from  $\frac{3}{4}$  to 2- $\frac{3}{4}$  inches with standard skid shoes. The increased surface area of the larger discs and the "tapered skirt" disc profile provide a smoother transition of crop to the conditioner for more uniform conditioning and reduced power consumption. Enhanced durability is built into the design with heavy, full-coverage, cast rock guards for ample protection.



Models

Discbine 313®

Discbine 316®

Cutterbar			
Cutting width	ft. in. (m)	13' 0" (4.0)	13' 0" (4.0)
Cutterbar model		MowMax™ II with ShockPRO™ hubs	MowMax™ II with ShockPRO™ hubs
Type		Modular	Modular
Number of discs		8	8
Knives per disc		2	2
Disc speed @ 1,000 rpm PTO speed	rpm	2,250	2,250
Tilt angle	degrees	2-10	2-10
Flotation		Vertical and lateral, adjustable springs	Vertical and lateral, adjustable springs
Drive method		PTO drive w/slip clutch to bevel gearbox to LH end of header, vertical PTO shaft to cutterbar	
Cutting height	in. (mm)	0.79-2.7 (20-69)	0.79-2.7 (20-69)
Cutting height w/ opt. high-stubble shoes	in. (mm)	3.1-5.5 (79-140)	3.1-5.5 (79-140)
Cutting height w/ opt. Biomass shoes	in. (mm)	4.9-7.8 (124-198)	4.9-7.8 (124-198)
Cutting height w/ opt. adjustable shoes	in. (mm)	0.79-5.8 (20-147)	0.79-5.8 (20-147)
Roll Conditioners			
Type		Chevron intermeshing rubber or steel rolls	Chevron intermeshing rubber or steel rolls
Length	in. (mm)	125 (3175)	125 (3175)
Diameter	in. (mm)	10.4 (264)	10.4 (264)
Drive method		4 HB V-belt and enclosed gears	4 HB V-belt and enclosed gears
Speed	rpm	750 or 640	750 or 640
Conditioner roll tension adjustment		Single crank	Single crank
Conditioner gap adjustment		Adjustable drawbolt stop, each end	Adjustable drawbolt stop, each end
LeaningEdge Flail Conditioners			
Type		Flail rotor with 120 tapered flails	Flail rotor with 120 tapered flails
Length	in. (mm)	125 (3175)	125 (3175)
Diameter	in. (mm)	22 (560)	22 (560)
Drive method		4 HB v-belt	4 HB v-belt
Speed	rpm	1042 std. 752 opt.	1042 std. 752 opt.
Conditioner gap adjustment		Single crank adjustable rotor hood	Single crank adjustable rotor hood
Crop Discharge			
Swath width	ft. (m)	10 (3.0)	10 (3.0)
Windrow width	ft. (m)	3-8 (0.9-2.4)	3-8 (0.9-2.4)
Driveline			
Input speed	rpm	1000	1000
Driveline protection		Slip clutch and overrunning clutch assembly at rear of PTO shaft	
Tongue Options			
Type		Center pivot straight hitch	Center pivot straight hitch
Hitch type		Drawbar swivel or 2-point swivel	Drawbar swivel or 2-point swivel
Tractor Requirements			
Minimum PTO power required	hp (kW)	90 (67)	90 (67)
Hydraulic circuits required		2	2
Minimum relief pressure required	psi (bar)	1,500 (103)	1,500 (103)
Drawbar		ASAE Category II or III	ASAE Category II or III
3 pt hitch (swivel models)		Category III	Category III
Electrical		7-pin electrical connector for transport lights	7-pin electrical connector for transport lights
Tires			
Tubeless ag rib implement tires		12.5L x 15 8PR	12.5L x 15 8PR
Transport Speed			
Max road speed	mph (kph)	20 (32)	20 (32)
Dimensions*			
Width-transport	ft. in. (m)	13' 4" (4.04)	13' 4" (4.04)
Width-operating (2 pt swivel hitch)	ft. in. (m)	21' 3" (6.5)	21' 3" (6.5)
-operating (drawbar swivel hitch)	ft. in. (m)	19' 7" (6.0)	19' 7" (6.0)
Length-transport (2 pt swivel hitch)	ft. in. (m)	27' 5" (8.4)	27' 5" (8.4)
-transport (drawbar swivel hitch)	ft. in. (m)	26' 5" (8.1)	26' 5" (8.1)
Length-operating (2pt swivel hitch)	ft. in. (m)	23' 0" (7.0)	23' 0" (7.0)
-operating (drawbar swivel hitch)	ft. in. (m)	22' 0" (6.7)	22' 0" (6.7)
Height-transport	ft. in. (m)	7' 5" (2.26)	7' 5" (2.26)
-operating	ft. in. (m)	6' 7" (2.01)	6' 7" (2.01)
Ground clearance with head fully raised	in. (mm)	16.2 (411)	16.2 (411)
Weights**			
Operating weight	lbs. (kg)	6,275 (2846)	6,275 (2846)

\* Rear curtain down for all height and length measurements on machines with flail conditioners. Subtract 2" (50.8 mm) for flail curtain up. Windrow shields fully open for length in both positions.

# Clean and reliable MowMax™ cutting.

H7230 side-pull Discbine® disc mower-conditioner mow cleanly and smoothly through tough conditions. Featuring the classic and reliable MowMax cutterbar, this Discbine have cutting width of 10' 4". Like the newer MowMax™ II cutterbar, the classic MowMax cutterbar features the New Holland true modular design with ShockPRO™ disc drive hubs.



## The ShockPRO™ advantage

ShockPRO™ hubs save you hassle, time, and repair costs by heading off potential damage to gears and module drive shafts. They absorb the impact, protecting drive components, and are quick to replace in the field so you can keep mowing when the weather is right.

## Model

## H7230

Cutterbar		
Cutting width	ft. in. (m)	10' 4" (3.16)
Cutterbar model		MowMax™ with ShockPRO™ hubs
Type		Modular
Number of discs		8
Knives per disc		2
Disc speed @ 1000 rpm PTO speed	rpm	3,000
Tilt angle	degrees	2-10
Flotation		Vertical and lateral, adjustable springs
Drive method		PTO drive w/slip clutch to bevel gearbox to LH end of header, vertical PTO shaft to cutterbar
Cutting height	in. (mm)	0.95-3.2 (24-81)
Conditioners		
Type		Chevron intermeshing rubber or steel rolls
Length	in. (mm)	102 (2591)
Diameter	in. (mm)	10.4 (264)
Drive method		4 HB V-belt and enclosed gears
Speed	rpm	635
Conditioner roll tension adjustment		Single crank
Conditioner gap adjustment		Adjustable drawbolt stop, each end
Crop Discharge		
Swath width	ft. (m)	7 (2.1)*
Windrow width	ft. (m)	3-7 (.91-2.1)
Driveline		
Input speed	rpm	540 or 1,000 (540 only with swivel hitches)
Driveline protection		Slip clutch and overrunning clutch assembly
Tongue Options		
Tongue type		Side-pull curved tongue
Hitch type		Standard hitch, drawbar swivel, or 2-point swivel
Tractor Requirements		
Minimum PTO power required	hp (kW)	80 (60)
Hydraulic circuits required		2
Minimum relief pressure required	psi (bar)	1,500 (103)
Drawbar		ASAE Category II
Electrical		7-pin electrical connector for transport lights
Tires		
Tubeless ag rib implement tires		11L x 15 6PR
Transport Speed		
Max road speed	mph (kph)	20 (32)
Dimensions**		
Width-transport	ft. in. (m)	11' 3" (3.4)
Width-operating	ft. in. (m)	16' 0" (4.6)
Length-transport	ft. in. (m)	17' 7" (5.3)
-with swivel hitch	ft. in. (m)	19' 9" (6.0)
Length-operating	ft. in. (m)	17' 2" (5.2)
-with swivel hitch	ft. in. (m)	19' 4" (5.9)
Height-transport	ft. in. (m)	5' 8" (1.7)
Height-operating	ft. in. (m)	4' 5" (1.3)
Ground clearance with head fully raised	in. (mm)	18 (457)
Weights		
Operating weight	lbs. (kg)	4,165 (1889)



[www.newholland.com/za](http://www.newholland.com/za)

