

YOUR CHOICE OF **W I D E** CONDITIONING SYSTEMS

NEW WIDEDRY™ CONDITIONING

New Holland's new best-in-class WideDry™ conditioning system features chevron design intermeshing rubber rolls, chevron steel intermeshing rolls or LeaningEdge™ flails that are more than 22% wider than the rolls/flails on previous models. This results in a crop mat that is thinner and flows more smoothly and evenly through the conditioning system for more uniform conditioning and faster drydown. Crop converges more smoothly from the cutterbar to the conditioning system, reducing crop feeding issues, particularly in thick grasses and other high-volume crops.



WIDEDRY

NEW TWO-SPEED ROLL CONDITIONING

Roll conditioning systems generate air movement that can blow lighter crop away from the cutterbar and adversely affect cutting quality. For better cut quality, you can switch the sheaves on the roll drive provided with the rubber chevron rolls or steel intermeshing rolls, and slow roll speed from 750 rpm to 640 rpm. This feature allows the roll speed to be decreased to minimise air bursts while maintaining cutterbar speed to provide excellent cut quality in light crop conditions.

LEANINGEDGE™ FLAIL CONDITIONING

For fast drying of grass hay, choose New Holland Holland flail conditioning. The 20-degree tangent of **LeaningEdge™** flails causes more outward pressure, pushing crop against the adjustable hood for more aggressive conditioning, and releasing at the ideal moment to prevent carry-around for uniform, fast-drying swaths or windrows. A slow-speed kit is also available for the LeaningEdge Flail conditioning system.



CENTER-PULL DISC MOWER CONDITIONER SPECIFICATIONS

MODELS	DISCBINE 313 (roll)	DISCBINE 313 (flail)	DISCBINE 316 (roll)	DISCBINE 316 (flail)
MowMax II Cutterbar with ShockPRO hubs				
Cutting width (m)	4.00		4.95	
Cutting height (mm)			19-70	
Cutting height w/opt. high-stubble shoes (mm)			76-140	
Cutting height w/opt. Biomass shoes (mm)			127-198	
Cutting height w/opt. adjustable shoes (mm)			19-146	
Cutterbar tilt angle (degrees)			2-10	
Type cutterbar			Modular	
Number of discs/knives per disc	8/2		10/2	
Disc speed @ 1000 rpm PTO speed (rpm)			2250	
Knife tip speed @ 1000 rpm PTO speed (kph)			261	
Cutterbar flotation	Vertical and lateral, adjustable springs			
Cutterbar drive method	PTO drive w/slip clutch to bevel gearbox at LH end of header, vertical PTO shaft to cutterbar, replaceable ShockPRO disc drive hubs			
Conditioner				
Type	Chevron intermeshing moulded rubber, or chevron intermeshing steel rollers	Flail rotor with 120 tapered flails	Chevron intermeshing moulded rubber, or chevron intermeshing steel rollers	Flail rotor with 120 tapered flails
Length (mm)	3175			
Diameter (mm)	2 x 264 rolls	1 x 560 flail rotor	2 x 264 rolls	1 x 560 flail rotor
Conditioner drive method	4 HB v-belt & enclosed gears	4 HB v-belt	4 HB v-belt & enclosed gears	4 HB v-belt
Speed (rpm)	750 or 640	1042 std. 752 opt.	750 or 640	1042 std. 752 opt.
Conditioning roll tension adjustment	Single crank	NA	Single crank	NA
Conditioner gap adjustment	Drawbolt stop, each end	Single crank adjustment of rotor hood	Drawbolt stop, each end	Single crank adjustment of rotor hood
Swath width (m)	3.00			
Windrow width (m)	0.9 to 2.4			
Driveline				
Input speed (rpm)	1000			
Driveline protection	Slip clutch and overrunning clutch assembly @ rear of PTO shaft			
Tractor Requirements				
Minimum PTO power required (kW)	90		100	
PTO shaft spline/size requirements	21-spline/1 3/8"			
Hydraulic circuits required	2			
Minimum relief pressure required - bar	103			
Electrical	7-pin electrical connector for transport lights			
Drawbar/3-pt Hitch	ASAE Cat. II or III drawbar or Cat. III 3-pt hitch		ASAE Cat. III drawbar or Cat. III 3-pt hitch	
Tyres				
Tubeless Ag rib implement tires	12.5L x 15 8PR			
Transport Speed, Maximum - kph	32			
Dimensions ¹ and Weight ²				
Width, transport (m)	4.04		5.05	
Width, operating (m)	6.5 w/2-pt swivel hitch; 6.0 w/drawbar swivel hitch		7.8 w/2-pt swivel hitch; 7.3 w/drawbar swivel hitch	
Length, transport (m)	8.4 w/2-pt swivel hitch; 8.1 w/drawbar swivel hitch		9.7 w/2-pt swivel hitch; 9.4 w/drawbar swivel hitch	
Length, operating (m)	7.0 w/2-pt swivel hitch; 6.7 w/drawbar swivel hitch		8.1 w/2-pt swivel hitch; 7.8 w/drawbar swivel hitch	
Height, transport (m)	2.26			
Height, operating (m)	2.01			
Ground clearance w/header fully raised (mm)	411			
Weight, Shipping (kg)	w/ 2 pt swivel hitch or drawbar 2991		w/ 2 pt swivel hitch or drawbar 3184	
Weight, Operating (kg)	w/ 2 pt swivel hitch or drawbar 2846		w/ 2 pt swivel hitch or drawbar 3039	

¹ Length and Height: Flail curtain is down for all height and length measurements. ² Length: windrow shields fully open for length in both transport and operating positions. ³ Length with flail curtain up should be reduced by 2" (50.8mm). ⁴ Weights shown with rubber conditioning rolls. For weight w/steel conditioning rolls add 100 (45).

AT YOUR OWN DEALER



YOUR SUCCESS - OUR SPECIALTY

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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.

The data indicated in this folder is approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications. Bts Adv. - Printed in Australia - 01/14



NEW DISCBINE® CENTER-PIVOT DISC MOWER-CONDITIONERS

DISCBINE® 313 | DISCBINE® 316



CLOSER CUTTING, FASTER DRYDOWN, INCREASED DURABILITY

New Holland has taken the Discbine® mower-conditioner to a new level with two new center-pivot models. Combining both speed and performance, the new models enhance the entire Discbine® line with a new 4.0 metre and 4.95 metre Disc Mower Conditioner. The new Discbine® 313 and 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

2-YEAR WARRANTY PROTECTION

You not only get the best disc cutting performance in the industry, you get peace of mind with 24 months of protection coverage. That's one year of additional protection on the MowMax II cutterbar and driveline after the base one-year warranty on the full machine. It's a New Holland exclusive.

NEW EASIER ACCESS

Lightweight poly bifold shields provide easy access to the cutterbar and resist denting. Material overlap keeps curtains in place without the need for clips or magnets. The driven end access steel door is double layered to resist denting in that area too.



NEW MOWMAX™ II LARGE DISC CUTTERBAR

The rugged MowMax™ II cutterbar features larger discs with larger, heavier gears, bearings and interconnecting shafts for maximum durability. This design has larger gears and one pair of wet splines to provide extra protection where the torque throughput is the greatest. The larger disc diameter also allows you to cut closer with less cutterbar tilt for consistent cutting height without scalloping—from 19 to 70mm with standard skid shoes. The increased surface area of the larger discs and the new "tapered skirt" disc profile provide a smoother transition of crop to the conditioner for more uniform conditioning action and reduced power consumption.

SHOCKPRO™ PROTECTION

Unexpected objects/obstructions in hayfields are a fact of life, particularly for custom operators. New Holland-exclusive ShockPRO™ disc drive hubs absorb the impacts caused by hitting those objects before damage to drive components can occur and are quick to replace in the field so you can keep cutting when the weather is right. Heavy, full-coverage, cast rock guards provide additional protection to the MowMax II cutterbar.

NEW IMPROVED CROP FLOW

The larger discs and wider conditioning system combine to provide cleaner cutting, better crop flow and more consistent drying. You can lay down a wide swath for more sun exposure and better natural drying. Co-rotating disc modules have been eliminated on the Discbine 313 and reduced to one pair on each end of the Discbine 316. This greatly reduces the crop convergence between the cutterbar and the conditioner. Adjustable windrow shields and a new spring-assist swathgate adjustment lever make it easy to customise windrow and swath formation.

NEW SIMPLIFIED DURABLE DRIVELINES

Choose either the drawbar swivel hitch or 2-point swivel hitch and get maximum turning performance with zero driveline wrap-up. PTO power is transferred from the front swivel gearbox to a second swivel gearbox at the rear of the tongue that maintains perfect alignment of the output driveshaft to the cutterbar- and conditioner-drive gearbox on the left side of the unit. The new MowMax II cutterbar's smart design allows driving the cutterbar from only one end, which simplifies maintenance and leaves the top of the header uncluttered. While all u-joints are easily accessible for easy servicing, lube interval has been extended to 50 hours so you spend less time on daily maintenance.

NEW IMPROVED FLOTATION

Improved header attaching link geometry contributes to more responsive flotation. The rear pivot points of the links that attach the header to the trail frame are lower than the front pivot points, ensuring the header moves up and rearward should you encounter an obstacle. In addition, the upper end of the flotation springs are anchored with a ball-and-socket arrangement that eliminates any binding as the header moves through its flotation range.

NEW BIOMASS KIT

The Biomass Kit includes extra-high skid shoes for the increased cut height and longer stubble desired in these crops. Lift lock out channels stop the cylinders mid-stroke to maintain good flotation, even when cutting well off of the ground. A separate pushbar kit is available to push tall crops forward and maintain cut quality. (Available as a Dealer Installed Accessory at extra cost.)

A WIDE SELECTION OF SKID SHOES

New Holland provides you with a choice of skid shoes to match your cutting needs.

Skid Shoe Types	Cutting Height
Fixed Height (standard)	19 to 70mm
Adjustable option	19 to 146mm
High-Stubble option	76 to 140mm
BioMass option (extra-high)	127 to 197mm

REPLACEMENT KNIVES TO MATCH FIELD CONDITIONS

The Discbine 313/316 can be equipped with a choice of six different cutterbar knives, depending on crop conditions and soil types. All knives feature two cutting edges, are available from the parts department, and can be reversed for double the cutting life.

- 14-degree smooth knives are standard on the Discbine® MowMax™ II cutterbar and provide the best choice and value for most conditions.
- 14-degree serrated knives offer the same advantages as 14-degree smooth knives, with extended wear in abrasive conditions.
- 18-degree smooth knives are more effective in down crop conditions by providing more crop lift.
- 18-degree serrated knives offer the same advantages in down crops as the 18-degree smooth knives, with extended wear in abrasive conditions.
- 7-degree smooth knives offer clean cutting and will reduce crop blow down in light or short crops.
- Hardened reinforced knives are designed for durability in rocky/stony conditions.

(Available from your New Holland Dealer Aftersales at extra cost.)