



# SPEEDROWER® SELF-PROPELLED WINDROWERS

SPEEDROWER® 130 | SPEEDROWER® 200 | SPEEDROWER® 240





# THE FUTURE AND THE PAST. SMART INNOVATION: THE SPEEDROWER® LEGACY CONTINUES.

The Speedrower® self-propelled windrower name is synonymous with unparalleled efficiency, durability and the brute power required to meet any crop head-on and cut or swath it in record time. New Holland is proud to celebrate the 50<sup>th</sup> anniversary of the Speedrower. A lot has changed on these windrowers through the years, but one thing has not. You can depend on the New Holland Speedrower because of its proven record of reliability and performance. That heritage continues with the newest models. We are continuing to raise the bar and put even more SPEED in Speedrower!

Models Speedrower	130	200	240
<b>Engine</b>			
N. of cylinder / Capacity (n. / L)	4 / 4.5	6 / 6.7	6 / 6.7
Compliant with engine emissions regulations	Tier 3	Tier 3	Tier 3
Rated horsepower (hp)	126	190	226
Fuel injection type	Mechanical	Electronic	Electronic
<b>Top speed*</b> (kph)	38.6	38.6	38.6

\* Top speed based on optional High Speed Transport, choice of tires affects top speed capabilities of Speedrower Series windrowers.



1960s



1970s



1980s

**1960s:** New Holland revolutionized the industry with its first self-propelled windrower. It featured a gas engine, variable belt and planetary drive. Later in the decade, gas or diesel engines that ranged up to 81 horsepower were offered. Improvements in operator comfort included a cab with heat and air conditioning. Models in the late 60s also featured a hydrostatic drive. Available heads included a 3 or 3.7m auger head, draper head, and the option for chevron intermeshing conditioning rolls.

**1970s:** New Holland introduced medium-duty Speedrowers that were updated with new gas or diesel engines that boasted more horsepower, a steering wheel, and a new planetary drive design. Sickle and draper models were offered with sickle heads available in 3.7, 4.3 and 4.9m cutting widths.

**1980s:** The Speedrower windrower finally started to take on the familiar shape of today's machines. The first commercial-grade model was introduced with a diesel engine rated at 100 horsepower and a top road speed of 22.5kph. Steering control was upgraded and a new cab was unveiled. The newly designed Rolareel™ 3.7m hay head was developed and the sickle head offering expanded to include an 5.5m model.

**1990s:** New Holland built on the style improvements from the 1980s and updated the hydraulic system. New configurations and tire options aided in hay and draper applications. The introduction of New Holland's first disc mower-conditioner header for windrowers came in this decade.

**2000s:** New Holland implemented several key advancements in this decade, including expanding the engine offering to include both four- and six-cylinder engines with horsepower ranging from 87 to 225. HW Series windrowers were introduced with an improved and spacious cab and increased ground clearance. Advancements in disc cutting and an upgraded engine-cooling package were included with the HW Series introduction. The decade came to a close with a new offering of a 4m disc head.



## STEP INTO THE NEXT GENERATION OF AWESOME

Do not let the anniversary celebration fool you – this isn't your pappy's windrower. The latest Speedrower windrowers set the standard with best-in-class operator comfort, horsepower, fuel efficiency, and advanced Tier-3-compliant engines, factory integrated guidance, and transport speed.



### CELEBRATING IN STYLE

New Holland is proud to celebrate this milestone in Speedrower history. To help recognize models built during the anniversary year, each windrower will receive a commemorative 50<sup>th</sup> Anniversary decal on the side panel. Additionally, Speedrowers ordered with the deluxe cab and optional leather seat also feature an embroidered 50<sup>th</sup> Anniversary patch to celebrate our half century of innovation.



1990s



2000s



2010s

**2010s:** New Holland continues to offer industry-leading features. Speedrower windrowers provide the greatest level of productivity in hay and draper applications. Increased engine horsepower now ranges from 150 to 260. Speedrower windrowers are propelled to a whole new level with an optional 38.6kph high-speed transport and innovative RoadCruise™ system that saves time and fuel. Other improvements include integrated factory-installed IntelliSteer™ auto guidance and the ComfortRide™

cab. Reliable twin-pump drive improves performance in all hay and draper applications. Today, New Holland offers an array of Haybine® sickle, Durabine™ disc, and DuraSwath™ draper head solutions so you can maximize harvest efficiency.

# YOU WON'T NEED TO BE IN YOUR EASY-CHAIR TO RELAX

We have come a long way from the open-station windrowers from the 1960's. The latest Speedrower® windrowers feature unrivaled control and comfort, with a luxurious cab that is standard equipment. With independent rear axle suspension and Comfort Ride™ cab suspension, you will hardly even know that you are in the field. New Holland achieves superior handling with its unique steering control and industry-leading CommandGrip™ multi-function handle that puts essential machine functions right at your fingertips.

## IDEAL COMFORT AND VISIBILITY

Operators of all sizes will find comfort in the deluxe air-ride seat. Thanks to the air-ride suspension, three fore/aft settings and lumbar adjustment, you get the support you need. The adjustments toward ideal comfort continue with a three-way adjustable steering wheel that tilts at both floor and knee level and also telescopes. Cab comfort is complete with the high-capacity air-conditioning and heating system that maintains the desired temperature. The tinted, curved glass windshield provides you with an outstanding overall view, offering the cab visibility and comfort you want and need. Anytime day or night, you have the visibility you need with optional LED lighting packages featuring four front lights, two rear lights, and twin stubble lights.

## OPTIONAL ELECTRONIC ADJUSTABLE MIRRORS

Allow you to stay in the cab and adjust the mirrors between road and field use. Plus, on 2015 models, the optional upgrade to a leather seat will feature an embroidered 50<sup>th</sup> anniversary logo on the seat back. You'll rest easy knowing that 50 years of experience is behind you.

## DELUXE CAB UPGRADE

Take superior ride quality and operating ease to the next level with the following upgrades:

- Automatic Temperature Control so you can dial in the perfect temperature
- Additional sound dampening material to reduce cab noise
- Front and rear sunscreens
- An upgrade from the standard Delphi radio with two speakers to an upgraded Delphi satellite and Bluetooth radio with four matched premium speakers



## COMFORT RIDE™ CAB SUSPENSION

This standard feature means smooth sailing—or riding—across even the roughest fields. The unique Comfort Ride system cushions you from chassis motion for industry-leading comfort. The four-point suspension includes isolated mounts on the front and coil springs over the shocks at the rear. This allows you to comfortably take on tough fields and glide across pivot tracks.





### INDEPENDENT REAR AXLE SUSPENSION

This patented axle suspension option works by utilizing separate left and right axle members to oscillate independently on adjustable, pressurized air suspension bags. This system provides exceptional ride quality so you can operate faster and with ease on uneven terrain. Feel the difference in ride quality just once, you will wonder how you ever operated without it.



### MUSIC TO YOUR EARS

Now you can get all the latest hands-free and entertainment technology in your new Speedrower! The optional Delphi satellite-capable radio allows you to stay tuned to your favorite satellite station. Even better, the Bluetooth device in the radio means you can continue to use your hands to operate while taking important phone calls in the field. A microphone located in the headliner allows you to communicate hands-free. The upgraded radio also includes a USB port and line-in for plugging in a portable music device or phone.

## TAKE COMMAND WITH COMMANDGRIP™

The CommandGrip™ multi-function handle is extremely comfortable to use and puts precision control at your fingertips. With this one handle, you control the hydrostatic transmission with its infinitely variable speeds in forward and reverse, as well as header and reel position. Other controls on the CommandGrip handle include auto-guidance engagement and a convenient “resume” button to effortlessly return the header to a pre-set work position after each pass.

### INTELLIVIEW™ IV TOUCHSCREEN DISPLAY OPTION

This customizable 25.5cm color touchscreen display is featured in other New Holland products and is your gateway to monitoring machine functions, changing settings, tracking your jobs, work rate, and many more tasks—right from your fingertips. The display is New Holland SMART, allowing you to personalize the layout of six different “run” screens to show whatever information you need to work efficiently. Also, a USB port in the back of the display allows for data collection at the end of the workday.



- Reel speed control
- Emergency PTO stop
- Header raise
- Header lower
- AutoGuidance engage
- Header tilt: raise/lower
- Resume: cycles the head on headlands
- Auxiliary
  - Reel position—draper
  - DuraMerger™ controls—hay





• Header Power Take-Off (PTO) on/off switch

• Disc speed

• Header flotation adjustment switch (left-hand side)

• Header flotation adjustment switch (right-hand side)

• Throttle control

• AutoGuidance enable switch –  
AutoGuidance only

• Draper Belt Speed

• DuraMerger on/off

• Ground speed range switch

• Parking brake

• Header Power Reverse



## THE SPEED IN SPEEDROWER®

New Holland's continued innovation has led to an optional three range hydrostatic drive that produces transport speeds up to a best-in-class 38.6kph\*, making it the SMART choice when you need to move quickly between farm and field. Time is a nonrenewable resource, and Speedrower® windrowers help make the most of your time.

\* Top speed varies slightly depending on front tire size

### ENHANCED HANDLING FOR MORE SPEED

New Holland has not only enhanced the speed of the Speedrower windrower, but also improved the handling of the machine, creating greater control. Greater control provides the foundation for the increase in speed. The hydraulically controlled steering system allows for precise steering at higher speeds. All Speedrower self-propelled windrowers are equipped with 9-degree swivel post casters, and all models equipped with high-speed transport also feature shock absorbers to prevent caster shimmy for better handling during transport.

### SAVE FUEL WITH ROADCRUISE™ TRANSPORT MODE

RoadCruise™ transport mode comes standard on new Speedrower® windrowers and automatically sets engine speed to maximize fuel economy in transport. With the CommandGrip™ multi-function handle in the neutral position and power take off disengaged, the system is activated automatically when the operator selects third range or when a new transport mode is selected on two-range Speedrower windrowers. When RoadCruise transport mode is active, engine speed and hydrostatic pump flow automatically adjust on-demand for higher or lower ground speed, providing the ideal engine speed corresponding to the ground speed selected.

### ADJUSTABLE BALLASTING FOR HIGH-SPEED CONTROL

For optimum handling and control, the rear ballast is easily adjusted to match the requirements of the header. The optional (available as DIA kit through parts operation) front ballast box provides stability and traction during transport when the header is detached.







#### UPGRADED COOLING PACKAGE

The Speedrower cooling system is designed to suit the cooling needs of each model and offers increased cooling capacity compared to previous models. The rotary air screen housing is made of steel and creates a tight seal, resulting in improved performance. The wand and duct system is a full third larger than previous models and the rotary screen motor has been upgraded to ensure the screen is continually cleaned. When working in extreme temperature conditions, add the optional diesel fuel cooler for a clean, efficient burn and to capture more horsepower from every liter of fuel.





# INTELLISTEER™ AUTO GUIDANCE MAXIMIZES YOUR EFFICIENCY AND PRODUCTIVITY

Speedrower® self-propelled windrowers can incorporate the very latest Precision Land Management (PLM™) technology, keeping you on a straight path to increased productivity. At the touch of a button, you can increase efficiency and operator comfort while decreasing operational costs and improving your bottom line.

## FULLY INTEGRATED AND FACTORY-INSTALLED INTELLISTEER GUIDANCE

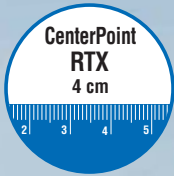
Your Speedrower windrower is designed for maximum productivity, so choose factory-installed and tested IntelliSteer™ auto-guidance to experience maximum cutting productivity. Experienced New Holland IntelliSteer guidance specialists at the Grand Island, Nebraska factory will fully install and test the guidance on your new windrower. Not ready for auto guidance today? All Speedrower windrowers are IntelliSteer™-auto-guidance-ready so it is more convenient to update to IntelliSteer™ auto-guidance. All Speedrower IntelliSteer options function with common New Holland components so it's easy to upgrade whenever necessary.



## INTELLIGENT INFORMATION AT YOUR FINGERTIPS

Choose the IntelliView™ IV display in your new Speedrower and you have information at your fingertips. The large 26.4cm touchscreen can be the single point interface for Speedrower functions, and provide IntelliSteer auto guidance without a second monitor. IntelliView allows you to easily program a variety of guidance patterns and personalize your settings, then easily transfer information back to your farm management software. Windrowers factory equipped with the basic four-line display are IntelliView-display-ready, so you can easily add the IntelliView IV display to complement your guidance applications.





## LEVELS OF ACCURACY AND REPEATABILITY

Precision farming today calls for SMART technology that is accurate, easy to understand, and smart for the way you farm. New Holland offers a wide range of PLM™ Precision Land Management options, allowing you to choose which accuracy level is best suited to your application. Speedrower windrowers can now provide cutting accuracy to  $\pm 38\text{mm}$  with CenterPoint™ RTX without a base station. Pass-to-pass overlap becomes nearly non-existent, increasing harvest efficiency in wide cutting and swathing applications.



## ADVANCED NH372 GNSS RECEIVER

This receiver offers improved satellite uptime. The NH372 receiver is GLONASS enabled and is able to simultaneously track up to 44 satellites for maximum satellite coverage. It is compatible with WAAS, Range Point™ RTX, OmniStar®, and CenterPoint™ RTX™, and RTK correction signals. When using RTK an additional radio receiver is mounted under the NH372.



## TRACK SWATHS WITH JUST ONE BUTTON

When enabled, just push the button on the CommandGrip™ multi-function handle to stay on track. The result will be long, straight, easy-to-harvest swaths and reduced operator fatigue during the busy harvest season.





## DURABINE™ HEADS ARE AHEAD OF THE REST

Take off hay quickly and easily with the speed and capacity of Durabine™ disc mower-conditioner headers. They provide reliability with reduced power consumption.



### THE BENEFIT OF LARGER DISCS AND KNIFE OPTIONS

Durabine heads provide a close, clean cut with less horsepower, which improves mowing efficiency and reduces fuel consumption. The large-diameter cutting discs operate at a shallower angle that easily slices through down crop and reduces the risk of scalloping. The MowMax II cutterbar delivers a close cut—as short as 17.8mm—as well as a wider range of cutting heights—up to 89mm with standard skid shoes. Reversible, swing-away, 18-degree twist knives are standard. A broad offering of knives includes standard 14-degree twist knives, 7-degree twist knives, special-design rock knives, and 14-degree twist, serrated knives. For extended knife wear in difficult conditions, the rock knife offers greater resistance to bending and are ideal when operating in extremely stony conditions. Special serrated knives are ideally suited for sandy soils or abrasive operating conditions, providing long life in these harsh working environments. All New Holland knives for Durabine™ disc heads are reversible for double the cutting life and work with the QuickMax system.

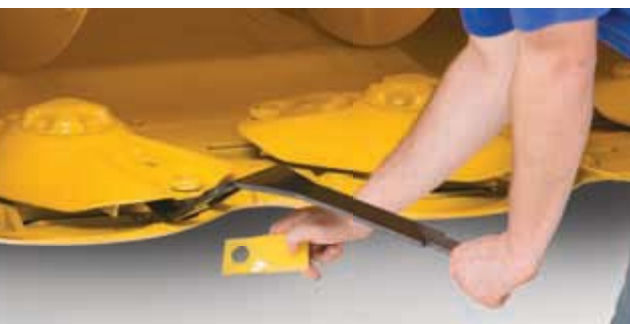


### FAST AND SIMPLE IN-FIELD SERVICEABILITY

MowMax™ II cutterbars feature a true modular design for smooth, quiet, trouble-free mowing as well as fast and inexpensive servicing. Driven through individually sealed gearboxes with dedicated oil reservoirs, modules are never at risk for oil starvation while cutting on slopes. In the event that your mower hits an obstruction, the exclusive New Holland ShockPRO™ hubs absorb harmful impacts, protecting the internal cutterbar drive from damage. Even better, they're quick to replace in the field so you can keep cutting when the weather is right. Replacement takes less than 10 minutes, at a minimal cost and without compromising the sealed module. Accidents happen, and in the event of a significant collision, the true modular MowMax concept design fully contains damage to the affected module to minimize damage to the rest of the cutterbar.

### MOWMAX™ II DISC CUTTERBAR

The MowMax II cutterbar provides the cleanest cut and rugged reliability, resulting in ultra-smooth crop flow. Durabine durability results from heavy cast rock guards and self-contained disc modules. Gear cases are driven by pilot-supported hardened alloy drive shafts with lubricated drive splines for added durability. The large-diameter discs feature maximum strength and reliability with a rugged pinion gear drive. Upgraded full-coverage replaceable skid shoes provide added protection and allow the Durabine header to glide over a variety of terrain, including soft ground and new seedlings where stubble damage is a concern. Choose the 10-disc Durabine 416 for a 5m, 25.5mm cut or the 12-disc Durabine 419 for a huge, 5.8m, 102mm cut. Both use pairs of counter-rotating discs for cleaner cutting and ultra-smooth crop flow.



### OPTIONAL QUICKMAX™ KNIFE SYSTEM

Don't put off changing dull or broken knives anymore. The MowMax II disc cutterbar can now be equipped with the optional QuickMax system so you can replace worn or damaged knives in a flash ensuring that you're back cutting clean in just seconds. The unique QuickMax system allows for fast knife changes with a 180-degree rotation of the discs so you are back mowing quickly. The patented New Holland eccentric knife nut utilizes centrifugal force to provide exceptional blade security. Best of all the, QuickMax knife system works with all Durabine™ disc header knives so there are no special knives to buy. See your local authorized New Holland dealer about the QuickMax system and ask about a special upgrade kit available for prior model Durabine™ disc headers.

### SMOOTH AND EVEN CROP FLOW

Durabine disc heads feature the exclusive, full-length crop-flow auger that quickly moves crop away from the cutterbar for cleaner cutting, increased capacity, optimum feeding, more uniform conditioning quality, and an evenly distributed windrow. The heavy-duty, 50.8cm auger features thick 8mm fluting with reinforcement gussets on the backside to handle the heaviest crops with ease.



# VERSATILE, MODULAR CONDITIONING SYSTEM OPTIONS

Diverse crop harvesting is no problem for Durabine™ disc heads. You can change conditioning modules quickly to suit crops and maximize quality, or remove the conditioning module entirely and outfit the header with a closure kit for wide swaths of non-conditioned hay.

## DURABINE CONDITIONING OPTIONS

Non-conditioning closure kit

- Rubber or steel chevron-design rolls
- High-contact urethane rolls
- LeaningEdge™ flail tine system

## ROLL CONDITIONING SYSTEMS

The large 264mm-diameter rolls with a chevron lug profile grip the crop and provide even flow through the rolls for uniform conditioning and fast drying swaths or windrows. Tailor roll pressure to crop yields without tools; the turn of a hand crank delivers consistent thorough conditioning for all your crops. All New Holland roll conditioning systems feature the proven torsion-bar roll-pressure system with over-center linkage that momentarily releases roll pressure, allowing crop slugs or foreign objects to pass without plugging for non-stop mowing.

## RUBBER CHEVRON ROLLS

Choose gentle chevron rubber rolls for full-stem crimping and cracking of high-value legume crops. The rubber compound and wide chevron lug profile provide gentle handling to protect delicate high-value leaves for maximum forage quality.

## STEEL CHEVRON ROLLS

Durable chevron steel rolls are designed for use in all crop types, but show a real advantage in cane-type crops, grain forage, and extra-tall grass crops. The steel chevron lug profile provides aggressive full-stem crimping, and the rugged all-steel construction resists wear to provide more consistent conditioning over the life of the roll.

## LEANINGEDGE™ FLAIL TINE CONDITIONING

For fast drying for grass hay, choose New Holland LeaningEdge™ flail tine conditioning. The 20-degree tangent of the individual tines provides more outward pressure, pushing crop against the adjustable conditioning hood for more thorough conditioning. An optional textured hood liner provides more aggressive conditioning of difficult crops. The semi-swinging tine design ensures that crop is released at the ideal moment for uniform fast-drying swaths. For legumes and other delicate crops, an optional slow-speed rotor kit is available.

## QUICK AND EASY ADJUSTMENTS

Crop widths can range from as wide as a 2.4m swath or as narrow as a 1m windrow—or any width in between. No tools are required to make width adjustments, and with the optional electric windrow shield adjustment feature, changes can be made without leaving the cab.

## HYDRAULIC HEAD TILT

To make a cut-height adjustment, simply use the tilt switch on the CommandGrip™ multi-function handle. With a glance through the front windshield, you can quickly observe the head tilt angle indicator on the header tilt cylinder.

## POWER REVERSER

Crop slugs can be expelled without leaving the cab. At the touch of a button, the conditioning rolls, auger, and discs reverse to remove plugs in seconds.



Rubber chevron-design.



Steel chevron-design.



LeaningEdge™ flail tine.



## DISC HEAD MODELS WINDROWER MODEL SPECIFICATIONS

MODEL		DURABINE 416	DURABINE 419
<b>Header drive</b>			
Cutting width	(m)	4.9	5.9
Overall width	(m)	4956	5912
Weighting with conditioning system	(kg)	2132	2422
<b>Modular Disc Cutter Bar</b>			
Number of discs		10	12
Maximum disc speed	rpm	2500	2500
Number of reversible, swing-away knives		20 (2 per disc)	24 (2 per disc)
Knife tip speed	(kph)	291	291
Flotation		Hydraulic adjustment from windrower cab	Hydraulic adjustment from windrower cab
Cutting angle and height		Standard hydraulic control, from 0 to -10 degrees / 18 to 89mm with standard skid shoes*	
Header ground clearance - bottom of skid shoes	(mm)	686*	754**
Hood liner		High density, impact-resistant polyethylene	High density, impact-resistant polyethylene
<b>Conditioner (Rolls)</b>			
Type		Chevron-design, intermeshing molded rubber, steel or high-contact rolls	
Length	(m)	2.6	2.6
Roll speed	rpm	938	938
Roll pressure		Torsion-bar roll pressure system adjusts with a single crank, rolls separate automatically "on the go" to allow thick material to pass	
Roll gap		Adjustable stop-bolt	Adjustable stop-bolt
Windrow/swath width	(mm)	965 to 2438	965 to 2438
<b>Conditioner (Flails)</b>			
Length	(m)	2.3	–
Speed	rpm	1310	–
Hood position		Adjusted with a single crank	–
Windrow/swath width	(mm)	965 to 2438	965 to 2438
<b>Auger</b>			
Type		Floating	Floating
Maximum diameter	(mm)	508	508
Flighting depth	(mm)	178	178

\* Short rear shielding \*\* Long rear shielding

(A) Traction wheels / tracks other than those mentioned are available: 710/70R42, 800/70R32, 800/75R32, 900/60R32, 900/60R38, 900/65R32/R2, 1050/50R32 and SmartTrax 24", 28.5", 30"  
 (B) SmartTrax not available on the CR7.90 (C) With 3ft extension and canvas (D) Transport, without extension, with spout

### GRASS SEED HARVESTING CONFIGURATION

The Durabine™ 416 Specialty Grass Seed Harvesting Configuration delivers high-capacity harvesting performance in delicate crops that do not require conditioning, including grass seed, mint, and flower seed. The unique auger features flighting that tapers as it approaches the center of the head, with no auger paddles or paddle supports and no conditioning module. A flexible lean bar in front assists tall crop flow into the head, without sudden impacts that could shatter seedpods. In addition, a second curtain hanging above the cutterbar improves crop flow. In the back, windrow-forming rods gently direct crop into a windrow ready for harvesting.

### AVAILABLE REPLACEMENT KNIVES

New Holland knives work with the optional QuickMax™ knife change system and feature two cutting edges so they can be flipped for twice the life. The 18-degree twist smooth knife is standard equipment and is effective in downed and tangled crops and provides maximum crop lift for a clean cut.

- Serrated knives are available in 14 and 18-degree twist.  
Serrated knives offer extended wear in abrasive conditions and may improve cut quality.
- University studies confirm less knife twist can reduce ash content;  
the available 7-degree twist smooth knife promotes clean cutting and low ash high-value forages.
- The arched shape of Rock knives provides greater reliance and resists bending  
for added durability when working in rocky or stony conditions.



## THE ULTIMATE SWATHING MACHINE

For high-capacity swathing of small grains, canola, forage and specialty crops, choose DuraSwath™ draper headers from New Holland. Available in 6.4, 7.6, 9, 11 and 12.2m widths, DuraSwath headers cut big acreage down to size.







# HIGH-CAPACITY DURASWATH™ DRAPER HEADS

## STRONGER FRAME

The 15x25.5cm angled tube frame and low-profile end struts provide increased frame strength. They also provide excellent visibility to the cutterbar so operators have better line of sight to the cutterbar while swathing.

## FLATTER TABLE AND BELT ANGLE

A flatter draper belt angle provides better feeding and improved visibility. There is ample crop capacity on the tables without the need for a cross auger in all but the heaviest crops. Cross augers are available for the 9, 11, and 12.2m models. The center deck opening adjusts from 1.4 to 1.8m, with an 2m opening possible when back panel extensions are removed. The continuous draper seal and segmented slide blocks keep deck slides free from material build-up.

## MORE ROBUST CUTTERBAR AND KNIFE DRIVES

An upgraded, low-profile cutterbar allows on-the-ground cutting—from 19 to 41.28mm—while still maintaining a guard angle of two to eight degrees. The robust New Holland cutterbar system works well in all crops, and especially well in muddy, down and green crops. The Schumacher cutterbar system provides excellent cutting in all crops. The knife drive motor is both efficient and reliable to handle the torque resulting from tough conditions. Double heat-treated knife hold-downs have been improved to offer increased durability and easier service adjustment. Long-life, six-inch-wide, poly skid shoes reduce wear on header components in on-ground cutting applications. This design provides more reliable retention to the header, and less expensive repairs since you can replace six-inch sections rather than sections that are several feet long.

## DRAPER BELTS PULLED, NOT PUSHED

Thick, durable, center-driven Raptor™ draper belts are pulled—not pushed—for improved feeding efficiency. Wider support ribs under the draper belts ensure the belts do not sag under heavy crop loads. This improvement, combined with a continuous barrier seal at the front lip of the belts and mating draper belt guards, ensure crop easily transitions from the cutterbar to the draper belts without entering the belt roller area.

## IMPROVED REEL AND REEL DRIVE

The chain-driven reel provides faster reel speeds, increased reel speed range, and more power. This system also eliminates any overhang of the reel drive motor past the crop deflector to reduce crop run-down. The reel drive coupler now features a heavy spiral spring pin to provide increased shear protection, as well as a collar that positively retains the pin. Support collars are located on both sides of the outer reel bat spiders. They provide a robust connection between the bat support arms and the center tube on all UII reels.

- The collars bolt directly to the tube and to the bat support arms
- The collars surround the tube and are tightly clamped to the tube
- The cam-timing arm's connection to the reel bats, incorporate cast knuckles that fully wrap around the bats, to greatly improve durability.

All of these improvements are designed to provide trouble-free performance for the life of the header.

## IMPROVED FINGER TINES

HCC reel features new, heavy-duty long plastic tines, that enhance pickup of downed crop, while increasing tine durability.





### REEL ANGLE

The reel support arms operate the reel at a steeper attack angle to reach crop in front of the knives for improved crop feeding, especially in lodged and down crops. You can adjust the reel attack angle “as needed” “on-the-fly” while swathing. All DuraSwath heads come with hydraulic reel fore/aft and vertical adjustment.

### 12.2M WIDTH

Choose the 12.2m DuraSwath™ 440HB head for the highest cutting capacity. This head is compatible with the six-cylinder Speedrower windrowers. The DuraSwath 440HB head cuts large acreages down to size and features a double knife drive, split reel and double reel drive and a center-delivery swath opening. A four-wheel transport integral option is available; all hitch components store right on the head, making it easy to go from field to transport.

### GAUGE WHEEL OPTION

Fully castering gauge wheels with coil spring-over-shock absorbers provide 7.6 to 20.3cm of shock travel for superior ground following and flotation. A simple adjustment linkage provides a mechanical advantage, reducing the effort needed, for an easy one-person adjustment. The four-wheel transporter (available with a 12m header) includes a pair of transport wheels that can be placed directly next to the castering gauge wheels. This provide added support for these large headers.

### CROP DIVIDERS AND ROTARY SHEAR READY OPTION

Improved, narrower crop dividers reduce crop rundown and feature tool-free attachment and removal so you can remove them quickly for transport. The standard pipe dividers are best suited for taller crops while the optional floating tip dividers help with on-the-ground cutting. The rotary shear-ready option configures the DuraSwath to be ready for easy installation of cutting shears mounted on the crop dividers. The shears run directly off the knife circuit and help the head cut through downed, tangled, and difficult green crops.



# DURASWATH™ DRAPER HEADER SPECIFICATIONS

MODEL	421 HB	425 HB	430 HB	436 HB	440 HB
<b>Versions available:</b>					
Single-knife drive, single swath, single reel	–	x	x	–	–
Single-knife drive, double swath, single reel	–	x	x	–	–
Double-knife drive, single swath, single reel	x	x	x	x	–
Double-knife drive, single swath, split reel	–	–	–	x	x
Double-knife drive, double swath, single reel	x	x	x	x	–
Double-knife drive, double swath, split reel	–	–	–	x	–
<b>Header</b>					
Cutting width (m)	6.4	7.6	9.1	11	12.2
Approximate weight (includes reel) (kg)	1783 (est.)	2121 (est.)	2554	3040	3254
Cutting height (minimum) at maximum tilt (mm)	19 @ 8 degrees tilt	19 @ 8 degrees tilt	19 @ 8 degrees tilt	19 @ 8 degrees tilt	19 @ 8 degrees tilt
Center-delivery windrow width opening (mm) <sup>1</sup>	0.84 - 1.27	1.42 - 1.83	1.42 - 1.83	1.42 - 1.83	1.63 - 2.03
Double-swath end windrow width opening (mm) <sup>2</sup>	0.78 - 1.1	1.37 - 1.65	1.37 - 1.65	1.37 - 1.65	–
Transport height to guard tips (m) <sup>5</sup>	1.1 w/tilt cyl. fully retracted; 0.81 w/tilt cyl. fully extended				
<b>Cutter Bar</b>					
Cutting system <sup>3</sup>	NH w/Standard or Stub Guards, or Schumacher (EasyCut)				
Knife drive	SCH ProDrive system; hydraulically-driven, planetary-reduction sickle drive				
Sickles	2	1 or 2	1 or 2	2	2
Sickle speed (spm)	1400	1400	1400	1400	1400
Sickle stroke (mm)	85	85	85	85	85
Draper guards	●	●	●	●	●
Tilt angle range degrees	2 - 8 degrees	2 - 8 degrees	2 - 8 degrees	2 - 8 degrees	2 - 8 degrees
<b>Reels (reels for export units are delivered unassembled)</b>					
Choices (SF = steel fingers, PF = plastic fingers) <sup>4</sup>	Ull, 6-bat, w/SF or PF; HCC, 6-bat, flipover, w/heavy-duty, long PF			Ull, 6-bat, single, w/PF; Ull, 6-bat, split, w/PF; HCC, 6-bat, flipover, w/heavy-duty, long PF	Ull, 6-bat, split, w/PF; HCC, 6-bat, flipover, w/heavy-duty, long PF
Speed range (rpm)	10 - 75	10 - 75	10 - 75	10 - 75	10 - 75
Drive	Single reels equipped with single, hydraulic-driven, chain-and-sprocket reduction drive w/15.9ci (260cc) motor; Split reels equipped with two, hydraulic-driven, chain-and-sprocket reduction drive w/15.9ci (260cc) motors				
Hydraulic reel fore / aft adjustment	●	●	●	●	●
<b>Raptor™ Draper Belts</b>					
Belt width and construction	1.07m rubberized polyester belt with fiberglass reinforcement, tie bar end connection				
Belt/roller guide design	V-guide on upper end of inner side of belt with V-groove in rollers				
Roller design	Rubber vulcanized steel drive roller, steel idler roller				
Speed range (m)	0-232/minute	0-232/minute	0-232/minute	0-232/minute	0-232/minute
Cleat design and height (mm)	13 high cleat, w/embedded fiberglass rod reinforcement				
Chaff barrier seal design	Continuous, 12.7mm height, rubber, inverted 'V' barrier on front edge of outside of belt, w/minimal clearance to hay guard				
Belt angle degrees (@ minimum cutterbar tilt)	15 @ 2 degrees tilt	15 @ 2 degrees tilt	15 @ 2 degrees tilt	15 @ 2 degrees tilt	15 @ 2 degrees tilt
Double swath shift means	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
<b>In-Cab Controls</b>					
Reel speed	Std., ground-speed synchronized; variable from 100 to 130% (up to 75 rpms) of ground speed; choice of auto or manual mode				
Draper-belt speed	Standard, variable speed				
Reel raise/lower, fore/aft	●	●	●	●	●
<b>Transport</b>					
No transport	x	x	x	x	x
Slow-speed, 2-wheel transport	x	x	x	x	–
Slow-speed, 4-wheel transport	–	–	–	x	x
Castering gauge wheels	–	–	O	O	O

● Standard O Optional – Not Available x Available

<sup>1</sup> Center opening can be increased to 2.03 m by removing extension panels at the inner end of the rear walls

<sup>2</sup> End opening variable by adjusting movable end deflector

<sup>3</sup> SCH EasyCut system with spring steel guards, ProCut, bolt-on, plated knife sections and Rollerguide knifeback guide system; or CNH system with forged steel guards, adjustable hold-down clips and bolt-on knife sections.

<sup>4</sup> All reels available on NA (assembled) or export (unassembled) models <sup>5</sup> when equipped w/600/65R28 tires

Standard pipe divider.

Optional floating tip divider.



# HAYBINE® SICKLE HEADS DELIVER PROVEN CUTTING AND CONDITIONING



Since 1964 when New Holland introduced the industry's first combined mower-conditioner, the Haybine name has been associated with impeccable cutting performance, fast drying, and time tested reliability. New Holland continues this legacy with HS Series sickle heads available in 4.3, 4.9 and 5.5m high-capacity models for Speedrower® Series self-propelled windrowers.



## PROVEN CONDITIONING

New Holland chevron-design intermeshing rubber rolls are known for their thorough conditioning and fast crop dry down. The proven torsion-bar roll-pressure system applies near-constant pressure through the wide 2.6m rolls. The system allows the rolls to open automatically when needed to clear slugs of material without stopping. No tools are needed to adjust conditioning roll pressure. High-contact chevron rolls and steel chevron intermeshing rolls are also available.

**A** Hand crank to adjust roll pressure.

**B** Roll pressure indicator.



## HIGH-CAPACITY CUTTING PERFORMANCE

Dual counter-stroking sickles feature a timed modular wobble drive that assures smooth cutting, with minimal vibration and maintenance. Over-serrated knives slice quickly at over 1800spm and the 76mm stroke delivers unrivalled high-capacity cutting, for best-in-class performance. Bolt-on knife sections provide long cutting life and easy replacement, and adjustable knife hold-down clips speed maintenance.

## CONSISTENT FEEDING

The fully adjustable five-bat reel, sweeps crop smoothly to the exclusive floating auger. This 508mm auger with 127mm flighting, floats up to 50.8mm to handle heavy crops, and delivers crop evenly to the conditioning rolls.



## SICKLE HEADER SPECIFICATIONS

MODEL		14HS	16HS	18HS
Cutting width	(m)	4.34	4.95	5.56
Overall width	(m)	4.95	5.56	6.17
Weight - rubber rolls	(kg)	1770	1869	1983
<b>Cutter Bar</b>				
Type		Timed, dual, counterstroking		
Knives		Over serrated, bolted	Over serrated, bolted	Over serrated, bolted
Guards		2-tine, double-hardened	2-tine, double-hardened	2-tine, double-hardened
Angle range degrees		neg. 6 to neg. 12	neg. 6 to neg. 12	neg. 6 to neg. 12
Skid shoes		4	4	4
Cutting height	(mm)	30.5-157.5	30.5-157.5	30.5-157.5
<b>Sickle Drive</b>				
Type		Open, dual, wobble	Open, dual, wobble	Open, dual, wobble
Speed	(spm)	1810	1810	1810
Stroke	(mm)	76	76	76
<b>Reel</b>				
Type		5-bat	5-bat	5-bat
Adjustments		Fore/aft & vertical	Fore/aft & vertical	Fore/aft & vertical
<b>Speed</b>				
Mechanical drive	(rpm)	52-83	52-83	52-83
Hydraulic drive (optional)	(rpm)	0-76	0-76	0-76
Speed adjustment (mechanical)		Variable sheave	Variable sheave	Variable sheave
Diameter	(mm)	1067	1067	1067
Drive		Belt & chain	Belt & chain	Belt & chain
Tine bars		Segmented	Segmented	Segmented
Bushings / bearings	(mm)	31.75 bearing w/collar at cam end & bushings at all other locations		
<b>Conditioner</b>				
Types		Chevron-design intermeshing rubber or steel; or high-contact chevron urethane		
Roll length (crush area)	(mm)	2591	2591	2591
Roll diameter	(mm)	263.5	263.5	263.5
Roll drive		Spur gearbox & PTOs	Spur gearbox & PTOs	Spur gearbox & PTOs
Speed	(rpm)	717	717	717
Roll pressure		Hand crank	Hand crank	Hand crank
Roll gap		Adjustable stop-bolt	Adjustable stop-bolt	Adjustable stop-bolt
Windrow width	(mm)	910-2438		
<b>Auger</b>				
Type		Single, floating	Single, floating	Single, floating
Diameter	(mm)	508	508	508
Floating range	(mm)	50.8	50.8	50.8
Flighting depth	(mm)	178	178	178
Speed	(rpm)	287	287	287

### OPTIONS (FIELD-INSTALLED)

- Crop dividers
- Hydraulic reel drive (requires windrower drive kits)
- Reel truss kit
- Push bar extension kit (for tall crops)
- Slatted steel conditioner rolls (for cane crops)
- Stub guard conversion kit
- Right- and left-hand conditioner throat opening wear plates (recommended for abrasive soil conditions)
- Stainless steel replacement floor inserts (for abrasive soil conditions)
- Gauge wheels

MODEL	SPEEDROWER 130		SPEEDROWER 200	SPEEDROWER 240
Engine	New Holland 4-cylinder, Tier 3		New Holland 6-cylinder, Tier 3	
ECObLue™ SCR HI-eSCR system (Selective Catalytic Reduction)	●		●	●
Displacement (L)	4.5		6.7	6.7
Aspiration	Turbocharged with air-to-air intercooler			
Rated engine power ISO - ECE R120 hp (kW)	126 (94)		190 (142)	226 (168)
Fuel injection pump	Mechanical		Electronically controlled high-pressure common rail	
Batteries / alternator	1, 12-volt 925 CCA / 150 amp		2, 12-volt 650 CCA / 150 amp	2, 12-volt 650 CCA / 150 amp
Fuel capacity (L)	454		454	454
Rotating wand cooling system pre-cleaner	●		●	●
Transmission	Dual range hydrostatic, or optional high speed, 3-range hydrostatic			
Final Drive	Double reduction planetary		Double reduction planetary	Double reduction planetary
Steering	Hydrostatic		Hydrostatic	Hydrostatic
Speed range*				
2 speed drive (kph)	0-30.6		0-30.6	0-30.6
3 speed drive (kph)	0-38.6		0-38.6	0-38.6
Dimensions				
Length with header (mm)	7125** with HS Series		7188**** with Durabine 416	
Less header and lift arms (mm)	5138**		5060***	5060***
Height (mm)	3411**		3424***	3424***
Wheelbase (mm)	3659		3659	3659
Front tread width (mm)	3771**		3932***	
Rear tread width (adjustable)	2286-2667-3048			
Rear axle suspension	●		●	●
Tractor weight (kg)	5299 Hay** 5658 Draper****		5613 Hay*** 5613 Draper****	5672 Hay*** 5957 Draper****
Rear tires	14L x 16.1 8PR or 16.5L x 16.1 8PR			
Rear axle ground clearance	1080		1080	1080
Header				
Header drive	Hydraulic		Hydraulic	Hydraulic
Header flotation	Hydraulic (in-cab adjustable)†		Independent hydraulic flotation (flotation weight at each end of header independently controlled from cab)	
Hydraulic header tilt	●		●	●
Header power reverser	●		●	●
Adjustable windrow shields (on hay units)	● (NA on draper heads)		● (NA on draper heads)	● (NA on draper heads)
In-cab windrow-width adjustment	O		O	O
Single lever header transport lock system	●		●	●
Cab	Deluxe, curved tinted glass		Deluxe, curved tinted glass	Deluxe, curved tinted glass
Cab suspension	●		●	●
Cab air filtration	Dual: 1 external air filter and 1 in-cab recirculation filter			
Standard seat	Deluxe cloth, air suspension seat with ride dampening, adjustable fore/aft and lumbar			
Optional seat	Deluxe leather, heated, air-suspension seat with ride dampening, adjustable fore/aft lumbar			
Instructor seat	●		●	●

● Standard O Optional

\* Top Speed varies slightly depending on front tire size

\*\* With 480/80R26, R3 tires

\*\*\* With 580/70R26, R3 tires

\*\*\*\* 600/65R28 R1W

† Standard Equipment on Speedrower 160 and 130 is hydraulic float.

All Speedrower 160 and 130 units equipped as draper ready include independent hydraulic flotation, same as Speedrower 200 and 240.

## HEADER COMPATIBILITY

HEADERS	HAYBINE SICKLE HEADS			DURABINE DISC HEADS		DURASWATH DRAPER HEADS				
	14HS	16HS	18HS	416	419	421 HB	425 HB	430 HB	436 HB	440 HB
	4.34m	4.95m	5.56m	4.9m	5.9m	6.4m	7.6m	9.1m	10.9m	12.1m
Speedrower 130	●	●	●	NA	NA	●	●	●	●	NA
Speedrower 200	NA	●	●	●	NA	●	●	●	●	●
Speedrower 240	NA	●	●	●	●	—	●	●	●	●

● Standard — Not Available



# DURAMERGER™ 419

The need to increase efficiency and productivity is growing. Today's New Holland high-capacity forage harvesters already provide increased efficiency and productivity. To do even more, you need to gather more, and the DuraMerger 419 can do just that. This windrower attachment from New Holland allows you to place two windrows side by side. In-cab adjustments for merger belt speed and the deflector position let you effortlessly place the windrows exactly the way the forage harvester operator wants, to optimize harvester productivity.

Lowering and lifting the merger is also handled from the cab. When fully lowered, the merger rides only a few inches above the ground to catch the entire windrow. When encountering an obstruction, the robust design allows the merger to float up and over and return automatically to its original position. It is also easy to switch between single windrows and merging windrows. When windrow merging is not required, the merger tucks up tight and out of the way under the windrower frame. Its industry-leading clearance eliminates the chance of catching a windrow while crossing uneven terrain or crossing other windrows on headlands. An endless merger belt takes the worry out of belt maintenance. A V-guide on the inside of the belt ensures the belt tracks evenly, no matter how heavily it is loaded.



## DURAMERGER 419 SPECIFICATIONS

Header compatibility (must have conditioning system)		Durabine 416, 419
Conveyor belt speed range	(kph)	11.3 to 27.4
Conveyor frame width	(mm)	1066.8
Conveyor frame length	(mm)	2150 center to center of rolls
Belt roller diameter	(mm)	101.6
Ground clearance, operating	(mm)	Adjustable, 127 recommended <i>Note: continuous ground contact is not intended</i>
Ground clearance, transport	(mm)	711
Weight, shipping	(kg)	510.3
Weight, operating	(kg)	443

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