

SELF-PROPELLED WINDROWERS  
WR9900 SERIES

**HESSTON**  
by MASSEY FERGUSON®



**THE SMARTER, MORE POWERFUL  
WAY TO BETTER HAY.**

# TABLE OF CONTENTS



**PG. 3** QUALITY HAY STARTS HERE

**PG. 5** MODELS

**PG. 6** CAB DESIGN

**PG. 8** TECHNOLOGY

**PG. 10** ENGINE

**PG. 12** SPECIFICATIONS

**PG. 14** AT YOUR SERVICE

**PG. 16** QUALITY HAY STARTS HERE



# INTRODUCING THE WR9900 SERIES FROM HESSTON BY MASSEY FERGUSON

---

**NO OTHER SELF-PROPELLED WINDROWER HELPS YOU PRODUCE QUALITY  
HAY FASTER, MORE EFFICIENTLY AND MORE COMFORTABLY.**

Announcing the next leap forward from the company that invented the category: the new WR9900 Series self-propelled windrowers. These four new models help you produce the quality hay you've come to expect from Hesston, with added power to handle all crop conditions, a brand new cab for more comfort and greater hydraulic capacity for increased productivity.

## **MAKE HAY PAY.**

The WR9900 Series comes with all new headers that offer higher productivity, faster field speeds and more control.

You can enjoy better performance, more comfort and better hay — without the drawbacks of added weight, increased

wheelbase and larger overall dimensions. Increased horsepower provides more capability, with all models having the ability to run disc, auger or draper headers.

## POWERFUL PERFORMANCE AND THE VERSATILITY YOU NEED TO GET THE JOB DONE.

The WR9900 Series windrowers feature two different AGCO Power™ engines, both designed specifically to stand up to the rigors of agricultural use. The WR9950 and the WR9960 are powered by the AGCO Power 4.9 L four-cylinder engine. The WR9970 and WR9980 are powered by the AGCO Power 7.4 L six-cylinder engine.

The WR9900 Series are our most powerful windrowers ever. The increased power of these machines gives operators the versatility to run disc, draper and sickle headers. Don't just take our word for it – run any WR9900 Series windrower and you'll know you're driving the cream of the crop.

**AGCO POWER ENGINES**, built especially for ag application, deliver as much as 265 rated horsepower at 2,100 RPM. As field conditions begin to pull the engine RPM down, the windrower can deliver more than 280 horsepower at 1,950 RPM, giving you the torque and horsepower you need to keep going in the field.

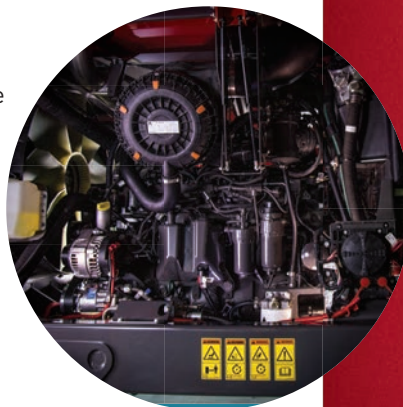
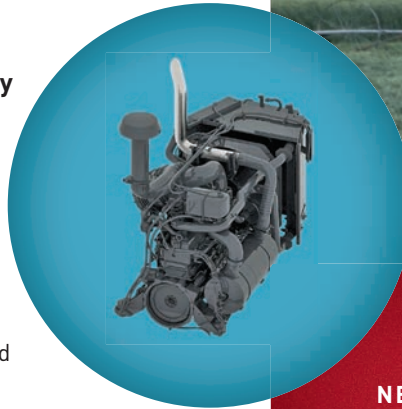
**FUEL EFFICIENCY** so impressive you'll be able to power through tough crops with minimal fuel usage. Lower engine RPM, precision fuel metering, common rail fuel injection and advanced SCR emission technology are among a few of the innovative engine technologies that will provide you with consistently lower total fluid consumption — for both diesel and DEF.

### NEW ENGINE UPDATES FOR IMPROVED PERFORMANCE:

*Increased hydraulic and engine cooling capacity* ensure the machine runs at its best, even when conditions are at their worst.

*Larger AC evaporator* offers a 50% increase in AC cooling capacity.

*The engine compartment* maintains the familiar cool side/hot side design with ground level access for service points to simplify machine service.



**NEW CAB STYLING** including roof and outside trim for an updated sleek and stylish look.

**ELECTRICALLY ADJUSTABLE MIRRORS** allow the operator to adjust the mirrors from the seat instead of having to adjust the mirrors from outside the cab.

**POWERFUL AIR CONDITIONING SYSTEM** with 50% greater cooling performance.

**LARGE, CURVED WINDSHIELD** for increased visibility, providing the operator with a better view of the header and the field.

**FOOT PEGS** in the cab increase operator comfort when spending extended amounts of time in the cab.

**BLUETOOTH®-CAPABLE CAB** makes the operator's day easier and provides more convenience for Bluetooth-capable devices.

# SEE MORE. DO MORE. IN COMPLETE COMFORT.

HESSTON'S NEW VISIONCAB PROVIDES SUPERIOR VISIBILITY. COMPARED TO THE PREVIOUS WR9800 CAB, IT'S MORE SPACIOUS, WITH ERGONOMICALLY INSPIRED COMFORT ENHANCEMENTS, TOO. WE'VE THOUGHT OF EVERYTHING, FROM FOOT PEGS AND IMPROVED LIGHTING PACKAGES, TO A LARGER INSTRUCTOR'S SEAT AND OUR INDUSTRY-LEADING CAB SUSPENSION SYSTEM — ALL STANDARD.



**ROOMY AND SPACIOUS, OUR NEW VISIONCAB OFFERS MANY ADDITIONAL FEATURES TO SURROUND YOU WITH THE ULTIMATE COMFORT, ALLOWING YOU TO WORK LONGER AND HARDER WITH LESS FATIGUE.**

**LARGER INSTRUCTOR'S SEAT** provides a more comfortable ride for the instructor, as well as a large storage compartment beneath the seat.

**NEW STEP PLATFORM AND HANDRAILS** on the outside of the cab make it safer and easier to step onto the header.

**TINTED REAR GLASS** increases comfort throughout the day and increases visibility to the monitor.

**DELUXE SEMI-ACTIVE SEAT** offers operators a more robust seat and much smoother ride as it allows the seat to move forward and backward.

**NEW LIGHTING PACKAGE** features eight front-mounted and two rear-mounted lights, providing operators with greater visibility in low-light conditions. LED lights are also optional for even greater visibility.

**STANDARD OPTIRIDE™ CAB SUSPENSION SYSTEM** consisting of four-post adjustable coil over shocks to dampen vibrations and reduce operator fatigue.

**OPTIONAL OPTIAIR™ AIR RIDE SYSTEM** utilizes four-post self-leveling air bags with onboard engine driven air compressor to provide the ultimate in cab comfort.

**AUTOMATIC CLIMATE CONTROL** is included on all WR9900 Series machines.

**THE FRONT WINDSHIELD WIPER** has been added to the standard equipment with a wash function to allow operators to work in adverse conditions.

**ADJUSTABLE SUN SHADE** increases visibility when the sun is low in the sky.

**MULTIPLE STANDARD DC CONNECTOR AND USB CHARGING PORTS** for charging devices to keep you connected.



**MORE SPACE**

Our VisionCab™ features a sleek and stylish new look while surrounding you in complete comfort.

**MORE COMFORT**

Oscillating GlideRider™ rear axle beam increases operator comfort by reducing machine bounce.

**EASY MONITORING**

Touch screen monitor (optional) with intuitive user interface provides easy monitoring and makes setting adjustments quick and simple.

**FULLY CUSTOMIZABLE**

You can fully program the FNR (hydro) handle to better meet your needs and preferences.

**LIGHTING**

Improved lighting and optional LED light package.

**MORE POWER TO YOU.**

WR9900 Series windrowers range from 160–265 engine horsepower. Hesston now offers a high-power six-cylinder WR9980 option, giving your operation more power than ever before. Each model features a larger, tandem hydraulic header drive pump for increased hydraulic capacity and control. The added horsepower and hydraulic capacity make the WR9900 Series more capable and versatile, with all four models having the ability to run disc, draper and auger headers.

MODEL	ENGINE	RATED HP (KW)	MAX HP (KW)	HEADERS
WR9980	AGCO Power 7.4 L	265 (198)	282 (211)	Disc (13 ft., 16 ft.), draper, auger
WR9970	AGCO Power 7.4 L	235 (175)	250 (186)	Disc (13 ft., 16 ft.), draper, auger
WR9960	AGCO Power 4.9 L	197 (147)	208 (155)	Disc (13 ft., 16 ft.), draper, auger
WR9950	AGCO Power 4.9 L	160 (119)	173 (129)	Disc (13 ft.), draper, auger

See complete specs on page 14.



#### ADVANCED COOLING SYSTEM

The V-Cool™ system offers greater cooling and fuel efficiencies along with auto-reversing air direction for maintenance-free self-cleaning.

#### EXCLUSIVE REARSTEER™ IMPROVES HANDLING AND ROAD TRANSPORTATION

The RearSteer™ option with speeds up to 24.5 mph lets you move faster without reversing travel direction.

#### HIGHER-PERFORMANCE ENGINES

AGCO Power Tier 4 Final engines deliver more precise power and performance.

## A CUT ABOVE THE REST.

No other windrowers can produce Hesston hay, because no other windrowers offer our exclusive combination of power, technology, capacity and comfort, developed in direct response to feedback from farmers like you.

#### CAB SPECIFICATIONS

130 ft.<sup>3</sup> of interior cab volume

77 ft.<sup>2</sup> of glass area

33 ft.<sup>2</sup> of glass on the curved windshield

# TECHNOLOGY SO SMART, IT PRACTICALLY WINDROWS FOR YOU.

ALL SYSTEMS GO. GET AN INSTANT AND MORE INTUITIVE VIEW WITH YOUR CHOICE OF MONITORS.

*THE C1000 IS A SIMPLE, ICON-BASED MONITOR THAT IS VERY EASY TO USE.*

*THE C2100 IS A SIMPLE AND INTUITIVE 12.1-IN. TOUCH-SCREEN MONITOR THAT ALLOWS YOU TO MONITOR MACHINE PERFORMANCE WHILE DISPLAYING GUIDANCE ON THE SAME SCREEN.*

**WR9900 SERIES ON-BOARD TERMINAL LETS YOU CONTROL ALL OF THE WINDROWER'S MAIN FUNCTIONS, INCLUDING:**

- Header speed
- L/R header flotation/tilt/height
- Header load monitor
- One touch down/one touch up
- Return to cut height
- Return to tilt
- In-cab hydraulic roll tension
- Header drop speed
- Engagement of automatic functions
- FNR handle configurations
- Steering system adjustments
- Auto-Guide™
- Data collection (fuel usage, acres, hours, etc.)
- Troubleshooting information



## Maximize operational uptime with Fuse® Connected Services.

Fuse Connected Services from your Hesston dealer means a new level of proactive equipment and operational support to improve efficiency and productivity. Enabled by AgCommand®, AGCO's industry-leading telemetry tool, Fuse Connected Services helps optimize performance through enhanced management of your fleet and individual assets. Wireless communication via web and mobile platforms allows for easy access to data. Eliminate guesswork with pre-populated service and maintenance intervals for each machine and utilize machine performance analytics, prioritized alerts and theft recovery to minimize downtime.

For current product setup, operation and calibration questions, call (877) 525-4384 or learn more at [agcotechnologies.com](http://agcotechnologies.com).

**FUSE**  
SMART FARMING. SYNCHRONIZED.



## A WINDROWER SO SMART, IT TALKS TO ITSELF.

PROPRIETARY SOFTWARE ON THE WR9900 SERIES ALLOWS A VARIETY OF COMPONENTS TO COMMUNICATE ELECTRONICALLY AND EXECUTE MANY OF ITS FUNCTIONS AUTOMATICALLY. THESE COMPONENTS INCLUDE:

- Electronic header speed control
- Automatic load control
- Automatic rotary header speed
- OptiCruise™ speed control
- Electro-hydraulic steering
- Auto-steering
- V-Cool cooling system
- Automatic reel speed
- Automatic header float



The new, user friendly interface makes it easy to monitor windrower performance and adjust settings to field conditions.

**ELECTRONIC HEADER SPEED CONTROL** If engine RPM are pulled down when cutting high-yielding areas in the field or navigating steep terrain, the windrower will increase the hydraulic flow to the header in order to maintain consistent disc header RPM for consistent cutting and conditioning.

**AUTOMATIC LOAD CONTROL** If automatic load control is activated, the windrower will automatically adjust ground speed based on engine load and header drive pressure to ensure maximum torque and efficient fuel usage. This reduces the amount of operator intervention, simplifies machine operation and reduces operator fatigue.

**ROTARY HEADER SPEED COMPENSATION** When engaged, the control system will automatically increase the rotary header knife speed as ground speed is increased. This ensures that the ideal amount of crop cut per blade rotation is maintained even as ground speeds change, leading to excellent quality of cut.

**OPTICRUISE SPEED CONTROL** This function allows for more precise speed control when operating in rough conditions. The two buttons on the back of the hydro handle allow you to increase and decrease your speed smoothly (0.6 mph increments in first and second speed range, 2 mph in third speed range) without having to move the control handle.



## BETTER HEADERS THAT MAKE THE CUT.

The WR9900 Series has new, more capable headers — the 9200 Series auger headers, the 9300 Series rotary headers and the 5400 Series draper headers. These headers offer improved capacity, improved functionality and greater control. All of these improvements lead to higher productivity while maintaining superior cut and windrow formation.

RAZORBAR™ DISC HEADER MODEL	9313S	9313D	9316S	9316D
Cutting width ft. (m)	13 (4.0)	13 (4.0)	16 (4.9)	13 (4.9)
Conditioner rolls	2	4	2	4

**MORE HYDRAULIC CAPACITY MEANS A 25% INCREASE IN AVAILABLE HEADER POWER ON OUR 16 FT. DISC HEADERS.**



### QUICK ROLL GAP CHANGE

Shims easily allow 1/8" adjustments to be made without changing stop nut location.

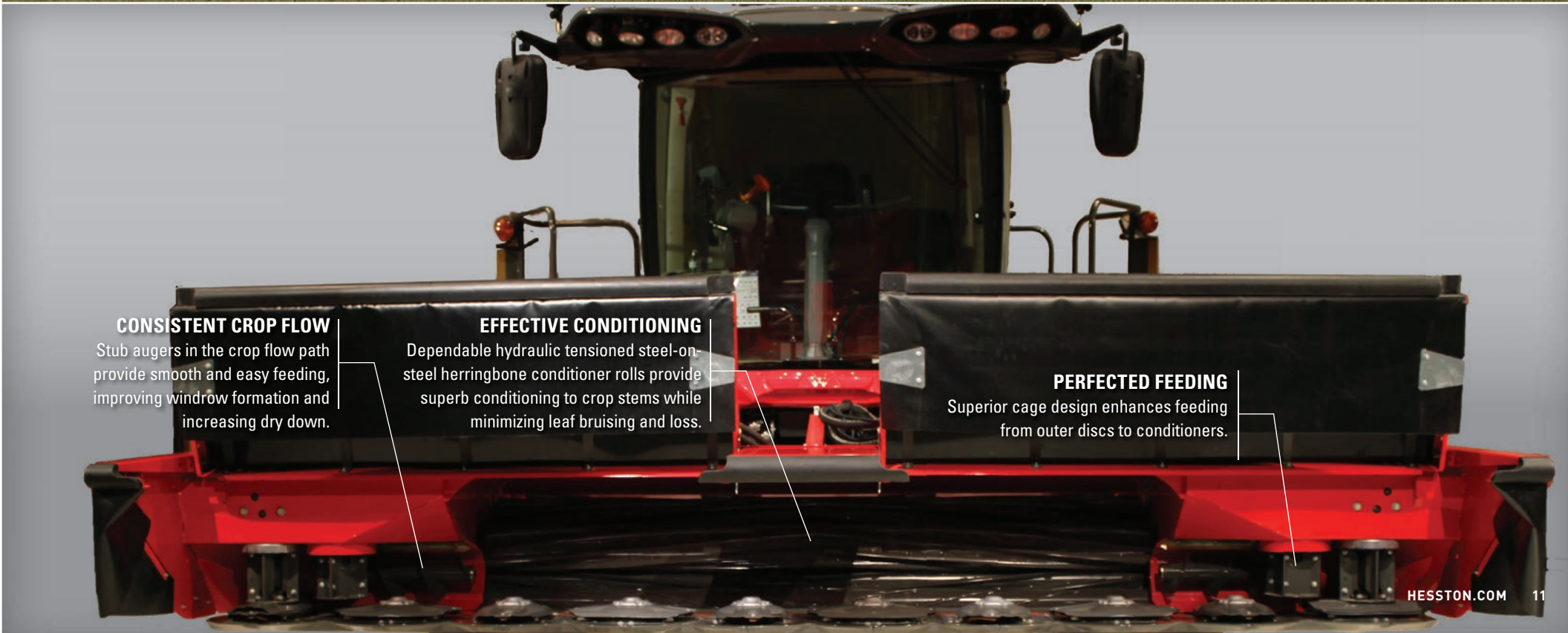
### MINIMIZED SERVICE POINTS

Improved bearings and greaseless composite bushings.



**DUAL DRIVE HYDRAULIC MOTORS**  
Provides increased balanced power to the cutterbar and conditioner drives on both sides

**ROBUST BELT DRIVES**  
Self adjusting spring tensioned belt drives with easy access cover to allow maintenance



**CONSISTENT CROP FLOW**  
Stub augers in the crop flow path provide smooth and easy feeding, improving windrow formation and increasing dry down.

**EFFECTIVE CONDITIONING**  
Dependable hydraulic tensioned steel-on-steel herringbone conditioner rolls provide superb conditioning to crop stems while minimizing leaf bruising and loss.

**PERFECTED FEEDING**  
Superior cage design enhances feeding from outer discs to conditioners.



DRAPER HEADER MODEL	MF5400-20	MF5400-25	MF5400-30	MF5400-35	MF5400-40
Cutting width ft. (m)	19'9" (6.0)	24'9" (7.5)	29'9" (9.1)	34'9" (10.6)	39'9" (12.1)
Delivery style	Center	Center or side			

AUGER HEADER MODEL	MF9226-14	MF9226-16	MF9226-18
Cutting width ft. (m)	14 (4.3)	16 (4.9)	18 (5.5)
Conditioner rolls	2	2	2

FEATURES	DISC	DRAPER	AUGER
<b>IMPROVED HEADER FLOTATION</b> allows the header to respond better to uneven terrain, providing a superior cut. Flotation accumulator size has been increased and two additional accumulators have been added for smoother operation.	•	•	•
<b>IN-CAB HYDRAULIC ROLL TENSION ADJUSTMENT</b> makes for easier adjustments in the field.	•		•
<b>HYDRAULIC ROLL TENSION</b> offers more consistent crimp and is much easier to set and adjust.	•		•
<b>EASY UNPLUGGING</b> in the event of a plug – hydraulic roll pressure will dump automatically when header is reversed. Upon starting the header, pressure will resume to preset levels.	•		•
<b>AUTOMATIC REEL SPEED</b> available on headers equipped with hydraulic reel drive. The speed of the reel will adjust to match changes in ground speed without the operator having to make adjustments.		•	•
<b>QUICK-ATTACH TOP LINK RECEIVER</b> on all headers provides easier attaching and detaching.	•	•	•
<b>LARGE TANDEM HYDRAULIC DRIVE PUMP</b> handles additional power from the engine and delivers more hydraulic flow to the header for increased throughput and functionality.	•	•	•
<b>HERRINGBONE PATTERNED STEEL-ON-STEEL CONDITIONER ROLLS</b> allow positive feeding and crimp instead of crush for better leaf preservation, faster dry down and higher quality hay.	•		•
<b>TWINMAX™ DOUBLE SET OF CONDITIONER ROLLS</b> reduces dry-down time by up to 20%, minimizing respiration losses leading to higher quality hay.	•		

# SPECIFICATIONS

SP WINDROWER MODEL	WR9980	WR9970	WR9960	WR9950
<b>DIMENSIONS AND WEIGHT</b>				
Length overall w/o header in. (mm)	199.7 (5,074)			
Wheelbase in. (mm)	137 (3,482)			
Height – top of cab in. (mm) (23.1–26 turf tires)	137.8 (3,501)			
Tread width drive tires in. (mm)	130.7 (3,320)			
Tread width tail wheels min. in. (mm)	84–129 in 9" increments (2,135–3,277)			
Weight (approximate) w/o header lbs. (kg.)	11,420 (5,180)	11,420 (5,180)	11,305 (5,127)	11,250 (5,103)
<b>SPEED (APPROXIMATE)</b>				
Field range mph (km/h)	0–17.5 (0–28)			
Road range mph (km/h)	0–22 (0–35)			
Road range w/ RearSteer mph (km/h) (Opt.)	0–24.5 (0–39)			
<b>ENGINE</b>				
Model	AGCO Power 7.4 L	AGCO Power 7.4 L	AGCO Power 4.9 L	AGCO Power 4.9 L
Rated horsepower (kW)	265 (198)	235 (175)	197 (147)	160 (119)
Boost horsepower (kW)	282 (211)	250 (186)	208 (155)	173 (129)
Displacement in. <sup>3</sup> (L)	452 (7.4)	452 (7.4)	299 (4.9)	299 (4.9)
Fuel tank capacity U.S. gal. (L)	130 (492)	130 (492)	130 (492)	130 (492)
<b>GROUND DRIVE SYSTEM</b>				
Type	Double planetary gear reduction			
Tandem pump	Danfoss H1 Axial Piston Pump			
Motors	Infinitely variable displacement			
<b>FLOTATION SYSTEM</b>				
Type	Hydraulic with independent left/right adjustable computer control			
<b>TIRES</b>				
Drive wheels	23.1–26 bias turf (R3), 23.1–26 radial turf (R3), 620/75R26 radial bar (R1)			
Tail wheels	16.1–16.5 L, 10-ply implement rib			

DRAPER HEADER MODEL	5400-20	5400-25	5400-30	5400-35	5400-40
<b>HEADER SPECIFICATIONS</b>					
Drive	Dual hydraulic				
Header angle	4°–18°				
Flotation	Hydraulic (on tractor)				
Draper opening in. (m)	78.5 (2)				
<b>DIMENSIONS AND WEIGHTS</b>					
Width, overall ft. (mm)	21'5" (6,536)	26'5" (8,060)	31'5" (9,584)	36'5" (11,108)	41'5" (12,632)
Width, cutting ft. (mm)	19'9" (6,023)	24'9" (7,547)	29'9" (9,071)	34'9" (10,595)	39'9" (12,119)
Weight, with reel lbs. (kg.)	3,800 (1,720)	4,400 (2,000)	5,000 (2,270)	5,600 (2,540)	6,200 (2,810)
Delivery style	Center	Center or Side			
<b>SICKLE SPECIFICATIONS</b>					
Speed, single sickle spm	–	1,300	–	–	–
Speed, double sickle spm	1,470				
Stroke in. (mm)	3,331 (84.6)				
Drive	Inline gearbox				
Guard spacing in. (mm)	3 (76)				

AUGER HEADER MODEL	9226
--------------------	------

DIMENSIONS AND WEIGHT	
-----------------------	--

<b>14 ft. (4.3 m) Header</b>	
Width of cut in. (mm)	168 (4,276)
Width (overall) in. (mm)	188.4 (4,786)
Weight (less forming shields) lbs. (kg.)	3,850 (1,746)
<b>16 ft. (4.9 m) Header</b>	
Width of cut in. (mm)	192 (4,877)
Width (overall) in. (mm)	212.4 (6,005)
Weight (less forming shields) lbs. (kg.)	4,100 (1,860)
<b>18 ft. (5.5 m) Header</b>	
Width of cut in. (mm)	216 (5,486)
Width (overall) in. (mm)	236.4 (6,005)
Weight (less forming shields) lbs. (kg.)	4,400 (1,996)

HEADER	
--------	--

Header drive	Hydraulic
Header flotation	Hydraulic adjustable

REEL	
------	--

Bats	6
Diameter in. (mm)	42 (1,067)
Drive	Belt & chain or hydraulic (Opt.)
Mechanical drive speed RPM	72-83
Hydraulic drive speed RPM	19-82, Reel speed for hydraulic (Opt.)

SICKLE	
--------	--

Speed spm (cpm)	1,840 (920)
Stroke in. (mm)	3 (76.2)
Guard angle (adjustable)	5°-12°
Drive	Timed gearboxes
Number of sickles	2

AUGERS	
--------	--

Type	Dual, opposed rotation
Upper auger diameter in. (mm)	9 (229)
Lower auger diameter in. (mm)	10 (254)
Upper auger speed RPM	368
Lower auger speed RPM	585

HAY CONDITIONER	
-----------------	--

Type	Rubber-on-steel, steel-on-steel
Conditioner rolls	2
Length in. (mm)	110 (2,794)
Steel diameter in. (mm)	7.75 (197)
Rubber diameter in. (mm)	8 (203)
Speed - max. RPM	1,026
Min. windrow width in. (mm)	40 (1,016)
Max. windrow width in. (mm)	96 (2,438)

RAZORBAR™ DISC HEADER MODEL	9313S	9313D	9316S	9316D
--------------------------------	-------	-------	-------	-------

DIMENSIONS AND WEIGHT				
-----------------------	--	--	--	--

Width (overall) in. (mm)	159 (4,039)		195 (4,963)	
Weight (with forming shields) lbs. (kg.)	3,875 (1,758)	4,915 (2,230)	4,780 (2,168)	5,070 (2,300)

HEADER				
--------	--	--	--	--

Header drive	Dual hydraulic motors			
Header flotation	Hydraulic, adjustable from cab			
Header tilt	0°-10°			

CUTTERBED				
-----------	--	--	--	--

Cutting width in. (mm)	156 (3,962)	192 (4,895)		
Cutting height in. (mm)	.75-3 (19-76)			
Number of discs	8	10		
Number of knives	16	20		
Disc speed - max. RPM	2,500			
Tip speed - max. mph (km/h)	189 (304)			
Cutterbed design	Modular spur gears			
Knives	18° bottom bevel			
Knife circle diameter in. (mm)	24.5 (622)			

HAY CONDITIONER				
-----------------	--	--	--	--

Type	Herringbone, steel-on-steel			
Conditioner rolls	2	4	2	4
Length in. (mm)	110 (2,794)			
Steel diameter in. (mm)	7.75 (197)			
Speed - max. RPM	1,290			
Min. windrow width in. (mm)	40 (1,016)			
Max. windrow width in. (mm)	96 (2,438)			
Roll tension adjustment	Hydraulic with accumulator			

\*Specifications are manufacturer's estimates at time of publication and are subject to change without prior notification.



**We proudly support:**



**FOR MORE THAN 25 YEARS, IN MORE THAN 140 COUNTRIES WORLDWIDE, AGCO HAS BEEN ON A MISSION TO BECOME THE SINGLE RESOURCE FARMERS CAN DEPEND ON FOR INNOVATIVE, LEADING-EDGE THINKING, EQUIPMENT AND TECHNOLOGY. AND, TODAY, YOU KNOW AGCO BRANDS, EVEN IF YOU DON'T KNOW THE AGCO NAME. WHILE AGCO EQUIPMENT MAY NOT ALL SHARE THE SAME LOGO OR SAME COLOR, THEY ALL HAVE ONE THING IN COMMON—THE ABILITY TO HELP FARMERS BE AS PRODUCTIVE AND PROFITABLE AS THEY CAN POSSIBLY BE, REGARDLESS OF THE TASKS AT HAND. [agcocorp.com](http://agcocorp.com)**