

Challenger

WR9900 SERIES 160-265 HP

CHALLENGER WR9900 SERIES 160-265 HP

AS SMART AS IT IS POWERFUL.



MEET THE MOST TECHNOLOGICALLY ADVANCED WINDROW
ON THE MARKET TODAY.

Challenger

WR9900
SERIES

INTELLIGENT FARMING™

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The rules of agribusiness are changing. And Challenger® is changing with them. We're committed to leading the way in developing the most efficient engineering and technology available in farm machinery today, to make your operation more profitable and help increase your yield.

We call it Intelligent Farming. And in keeping with this philosophy, every WR9900 Series self-propelled windrower can cut more crop in less time through groundbreaking engineering and world-class service. Whether you're a custom operator, commercial hay producer or livestock owner, the toughest crops and conditions are no match for our new lineup. Challenger is proud to work with Hesston®, the leader in hay, to bring you the WR9900 Series — the most technologically advanced windrower on the market today.

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A CUT ABOVE THE REST.

Up for every challenge in the field, the Challenger WR9900 Series is available in four models ranging from the 160 engine horsepower WR9950 all the way up to the six-cylinder 265 engine horsepower WR9980. Ensuring you have the right windrower for any condition, whether cutting tangled canola, thick grass, quality alfalfa or heavy winter forage.

These new machines offer more power without the inconvenience of added weight, wheelbase or overall dimensions. All four models can run disc, draper and auger headers, giving you added versatility from the same machine.



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



WR9900 SERIES AT A GLANCE

- A FULLY CUSTOMIZABLE** You can fully program the FNR (hydro) handle to better meet your needs and preferences.
- B SUPERIOR TECHNOLOGY** All main windrower operations, including in-cab conditioner roll pressure adjustment, are controlled via a virtual computer terminal for enhanced precision and better control.
- C MORE CAPABLE HEADERS** Our new generation of electronically controlled hydraulic drives give you increased performance and productivity.
- D MORE COMFORT** Oscillating GlideRider™ rear axle beam increases operator comfort by reducing machine bounce.
- E HIGHER-PERFORMANCE ENGINES** AGCO Power™ Tier 4 Final engines deliver more precise power and performance.
- F NEW STEP PLATFORM** Platforms on the outside of the cab make it safer and easier to step onto the header.
- G ADVANCED COOLING SYSTEM** The V-Cool™ system offers greater cooling and fuel efficiencies along with auto-reversing air direction for maintenance-free self-cleaning.
- H 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.
- I HYDRAULIC HOOKUPS** Combined with the new tandem hydraulic drive, dual hydraulic hookups provide additional power, functionality and control.
- J EASY MONITORING** Touch screen monitor (optional) with intuitive user interface provides easy monitoring and makes setting adjustments quick and simple.
- K LIGHTING** Improved lighting and optional LED light package.

SLIP INTO MORE COMFORT + BETTER VISIBILITY.

Challenger's VisionCab™ provides superior visibility. It's more spacious, with ergonomically inspired comfort enhancements, too. We've thought of everything, from our industry-leading cab suspension system and an improved lighting package, to foot pegs and an instructor seat — 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.

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

ELECTRICALLY ADJUSTABLE MIRRORS (optional) 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.

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

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

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

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

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.

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

DELUXE SEMI-ACTIVE SEAT offers operators a more robust seat and much smoother ride as it allows the seat to move not only side to side, but forward and backward as well.

STANDARD CAB SUSPENSION system uses a set of air bags and shock absorbers to limit the vibration felt by the operator, reducing fatigue.

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.



A detailed view of the interior of a Challenger tractor cab. The image shows the driver's perspective, including the steering wheel, a large central display screen showing various metrics, and the ergonomic seat. The cab is yellow, and the view through the windshield shows a vast, open agricultural field under a clear sky.

Cab specifications:

130 ft.³ of interior cab volume

77 ft.² of glass area

33 ft.² of glass on the curved windshield

ALL SYSTEMS GO.

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.

THE BRAINS

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

LET THE WINDROWER DO THE WORK

Software on the WR9900 Series allows numerous components to communicate together to execute functions automatically. These components include:

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



MAXIMIZE OPERATIONAL UPTIME WITH FUSE® CONNECTED SERVICES.

Fuse Connected Services from your Challenger 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.

Learn more at agcotechnologies.com

For current product setup, operation and calibration questions, call (877) 525-4384.

**MONITORS SO INTUITIVE THEY CAN
ALMOST READ YOUR MIND.**

THE C1000 is a simple icon-based monitor that is very easy to use.

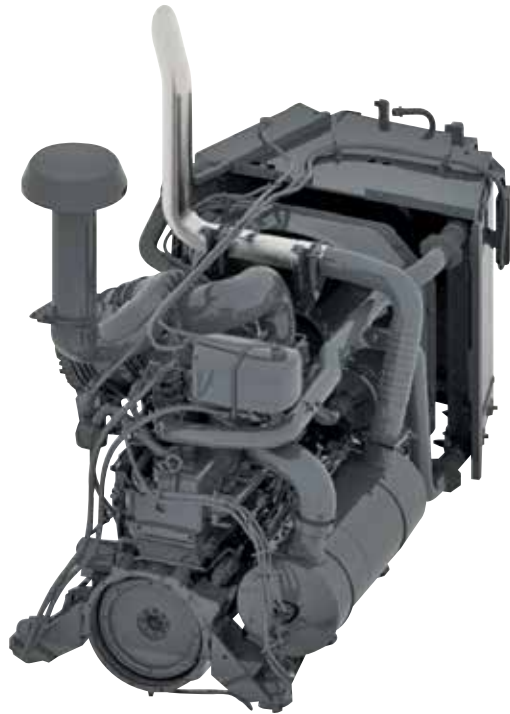
THE C2100 is a simple and intuitive 12.1 in. touch-screen monitor that allows you to monitor machine performance while displaying guidance on the same screen.

All functions conveniently
located on the FNR handle.



THE INTELLIGENCE AND THE POWER **TO POWER THROUGH.**

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, including the WR9980, capable of producing up to 265 engine horsepower. The increased power of these machines gives operators the ability to run a 13-ft. disc header on the WR9950, something that wasn't possible on previous models. The WR9960, WR9970 and WR9980 can run both a 13-ft. disc header and a 16-ft. disc header. Plus, these windrowers feature the versatility to run draper and auger heads as well.

New engine updates to improve performance include:

AGCO POWER ENGINES built especially for ag and specifically for the WR9900 Series windrowers, deliver as much as 265 rated horsepower at 2,100 RPM. As field conditions begin to pull the engine RPM down, the windrower is capable of delivering 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.

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.



MORE HEADER POWER. **BUILT FOR MAXIMUM EFFICIENCY.**

The WR9900 Series features a new generation of more efficient, electronically controlled hydraulic drives, giving you more power to the header drive systems. It all adds up to increased performance and greater productivity.

IMPROVED HEADER FLOTATION offers a cleaner cut. Increased flotation accumulators and two additional accumulators have been added for smoother operation. The improved flotation allows the header to better respond to uneven terrain for a superior cut.

IN-CAB HYDRAULIC ROLL TENSION ADJUSTMENT makes for easier adjustments in the field.

HYDRAULIC ROLL TENSION offers more consistent crimp and is much easier to set and adjust.

EASY UNPLUGGING 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.

AUTOMATIC REEL SPEED 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.

QUICK-ATTACH TOP LINK RECEIVER on all headers provides easier attaching and detaching.

LARGE TANDEM HYDRAULIC DRIVE PUMP handles additional power from the engine and delivers more hydraulic flow to the header for increased throughput and functionality.

INCREASED POWER TRANSFER with larger header hydraulic drive motors, heavy-duty conditioner roll gear box and higher surface area belts deliver additional power to the head.

RAZORBAR™ CUTTERBAR is the lowest profile cutterbar on the market. The robust design delivers maximum uptime, superior cut quality and lower ash content for improved hay quality.

HERRINGBONE-PATTERNED CONDITIONER ROLLS allow positive crop feeding and even crop distribution for faster dry-down, leading to higher-quality hay.

STEEL-ON-STEEL CONDITIONERS crimp instead of crush for better leaf preservation and improved hay quality.

TWINMAX™ DOUBLE SET OF CONDITIONER ROLLS reduces dry-down time by up to 20%, reducing respiration losses leading to higher quality hay.

TURBULENCE REDUCTION ROLL redirects air current from the conditioner rolls downward to improve cutting performance in light crop as well as assist crop flow into the conditioner rolls.



RAZORBAR DISC HEADER MODEL	CH9283	CH9286	CH9295	CH9296
Cutting width ft. (m)	13 (4.0)	13 (4.0)	16 (4.9)	16 (4.9)
Conditioner rolls	2	4	2	4



DRAPER HEADER MODEL	CH5400-20	CH5400-25	CH5400-30	CH5400-35	CH5400-40
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	CH9226-14	CH9226-16	CH9226-18	CH9246-14	CH9246-16
Cutting width ft. (m)	14 (4.3)	16 (4.9)	18 (5.5)	14 (4.3)	16 (4.9)
Conditioner rolls	2	2	2	4	4

WR9900 SERIES SPECIFICATIONS*

SP WINDROWER MODEL	WR9980	WR9970	WR9960	WR9950
DIMENSIONS AND WEIGHT				
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 in. 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)
SPEED (APPROXIMATE)				
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)			
ENGINE				
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. ³ (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)
GROUND DRIVE SYSTEM				
Type	Double planetary gear reduction			
Tandem pump	Sauer Danfoss H1 Axial Piston Pump			
Motors	Infinitely variable displacement			
FLOTATION SYSTEM				
Type	Hydraulic with independent left/right adjustable computer control			
TIRES				
Drive wheels	23.1–26 bias turf (R3), 23.1–26 radial turf (R3), 620/75R26 radial bar (R1)			
Tail wheels	16.5–16.1 L, 10-ply implement rib			

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

**All dimensions measured with Dual 520/85R46 rear tires and 1480/70R34 front tires.

RAZORBAR DISC HEADER MODEL	CH9283	CH9286	CH9295	CH9296
DIMENSIONS AND WEIGHT				
Width (overall) in. (mm)	159 (4,039)		195 (4,963)	
Weight (w/ 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 degree 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			

DRAPER HEADER MODEL 5400	5400-20	5400-25	5400-30	5400-35	5400-40
HEADER SPECIFICATIONS					
Drive	Dual hydraulic				
Header angle	4 to 18 degrees				
Flotation	Hydraulic (on tractor)				
Draper opening in. (m)	78.5 (2)				
DIMENSIONS AND WEIGHTS					
Width, overall ft. (m)	21'5" (6.5)	26'5" (8.1)	31'5" (9.6)	36'5" (11.1)	41'5" (12.6)
Width, cutting ft. (m)	19'9" (6)	24'9" (7.5)	29'9" (9.1)	34'9" (10.6)	39'9" (12.1)
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			
SICKLE SPECIFICATIONS					
Speed, single sickle	–	1,300 spm		–	–
Speed, double sickle	1,470 spm				
Stroke in. (mm)	3,331 (84.6)				
Drive	Inline gearbox				
Guard spacing in. (mm)	3 (76)				

AUGER HEADER MODEL	9226	9246
DIMENSIONS AND WEIGHT		
14' (4.3m) Header		
Width of cut in. (mm)	168 (4,276)	168 (4,276)
Width (overall) in. (mm)	188.4 (4,786)	188.4 (4,786)
Weight (w/out forming shields) lbs. (kg.)	3,850 (1,746)	4,940 (2,240)
16' (4.8m) Header		
Width of cut in. (mm)	192 (4,877)	192 (4,877)
Width (overall) in. (mm)	212.4 (6,005)	212.4 (6,005)
Weight (w/out forming shields) lbs. (kg.)	4,100 (1,860)	5,210 (2,363)
18' (5.5m) Header		
Width of cut in. (mm)	216 (5,486)	N/A
Width (overall) in. (mm)	236.4 (6,005)	
Weight (w/out forming shields) lbs. (kg.)	4,400 (1,996)	

AUGER HEADER MODEL	9226	9246
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° to 12°	
Drive	Timed gearboxes	
Number of sickles	2	

AUGER HEADER MODEL	9226	9246
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	Herringbone, Steel-on-steel
Conditioner rolls	2	4
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)	



SERVICE & SUPPORT

When you buy a Challenger windrower, you're buying more than a piece of farm equipment. You're buying the peace of mind that comes from a machine well-built and a job well-done. You're also buying a dedicated dealer network committed to standing beside you from purchase through operation.



WR9900
SERIES

INTELLIGENT FARMING™

To learn more about Intelligent Farming™, to demo a Challenger WR9900 Series windrower, or to find your local Challenger dealer, visit challenger-ag.us.



LOW-RATE, FLEXIBLE FINANCING

With competitive rates and easy terms, your Challenger dealer and AGCO Finance® offer great ways to buy, lease or rent your new machine. Visit agcofinance.com.

QUALITY PARTS

Genuine Challenger replacement parts are made to the same high standards as those used on the assembly line, so you can always keep your WR9900 Series running like new. Plus, they come with our industry-leading, one-year parts, six-months labor guarantee, when dealer installed. Visit agcopartsandservice.com/na/en_US/parts/brands/challenger.

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At AGCO®, customer care isn't just a department, It's a commitment. We'll do our best to answer any question promptly, or put you in touch with someone who can. AGCO Answers (877) 525-4384 or agcoanswers@agcocorp.com.

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