

# WD5™ SERIES WINDROWERS AND RD5 HEADERS



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## SPEED AND ACCURACY

WD5™ series windrowers set the bar for innovation, technology and comfort, delivering high-efficiency hay production cutting after cutting. The all-new drive-by-wire ground propulsion and steering system makes road transport and field work effortless for a more relaxed operator experience. With transport speeds up to 30 mph—the fastest in the industry—getting from farm to field is easier and more efficient than ever before.

### ULTIMATE CUTTING EFFICIENCY

- **For added productivity, all WD5 series windrowers are guidance-ready** and may be ordered guidance-complete from the factory.
- **Enhancements to the guidance allows the windrowers to grab the line almost immediately** after turning and up to 90 degrees to the next line.
- **Added technology includes** power, economy and headland management modes, operator-determined full-stick speed, standard AFS Pro 700 display and available telematics.
- **The new RD5 series headers are equipped with innovative features** to deliver a finish-mower quality cut for the best-looking fields around. For major hay production, WD5 series windrowers equipped with an RD5 series header will deliver on all fronts.



#### DESIGNED WITH OPERATORS IN MIND

- **Changes to the cab area include new, larger, easy-entry steps;** a high-back, ventilated and heated leather seat option; new tuning for the cab suspension; quieter cab; and additional window tinting for a cool and comfortable workday.
- **Major improvements to steering capabilities and longer wheelbase** make for a stable, steady, calm and quiet operating experience.
- **Road- and field-tested with critical attention paid to drivability, noise levels and stability,** WD5 series windrowers offer a faster, quieter and smoother experience than ever before.

#### ALL-NEW GROUND DRIVE SYSTEM

- **The newest ground drive system was designed smart** so operators can mow faster, longer and straighter with less fatigue so they cut more acres every day.
- **WD5 models maintain an arrow-straight course with less manual steering.** The precision ground drive system monitors wheel speed differences and self-compensates by adjusting wheel speeds to ensure the best tracking possible.

# NEW FEATURES FOR MAXIMUM EFFICIENCY

Thanks to the following new updates and features, WD5 series windrowers cut more quality hay in a day — and are easier to operate than ever before.

- A** RD5 series headers with improved cut quality—new longer knives and new rock guard geometry
- B** Greaseable conditioner roll bearing with anti-wrap scraper
- C** Improved header lockout system
- D** Finely-tuned cab suspension
- E** Header drive system with central connection point
- F** Drive-by-wire steering system
- G** Dark, 12% tinted rear glass
- H** High-back leather seat option with heat and ventilation
- I** Engine power splitter gearbox
- J** 30 mph transport speed option with rear steering
- K** Single air bag rear-axle suspension
- L** Longer wheelbase for improved stability and reduced ballast (standard feature)
- M** Larger, easy-entry steps
- N** Danfoss® hydraulic, variable displacement wheel motors
- O** DANA® heavy-duty planetary final drives





- A: Front loader
- B: Front loader attachment
- C: Safety warning label
- D: PTO shaft
- E: Hydraulic hoses
- F: Steering wheel
- G: Operator's seat
- H: Side mirror
- I: Fuel tank
- J: Front wheel
- K: Rear axle
- L: Middle wheel
- M: Rear fender
- N: Rear wheel
- O: Wheel hub



## GREATER COMFORT FEATURES & CAB OPTIONS

A quiet, comfortable operator experience incorporates a suspended cab and air bag rear-axle suspension for a smoother ride. Additionally, darker tinted glass and a leather ventilated seat help make long days in the field feel shorter and boost operator performance. Three levels of cab options — Standard, Deluxe or Premium — offer an impressive suite of comfort features for producers to choose from.

- **The standard AFS Pro 700 display** is intuitive and easy to use, with a large 10-inch touch screen for operator convenience.
- **Tuned cab suspension** means WD5 series windrowers offer advanced fore/aft stabilization and improved ride cushioning.
- **A quieter cab** is the result of 8 dBA noise reduction when turning and reduced noise while idling.
- **A 73-square-foot, curved and tinted glass view** with front, door and side glass (70 VLT) and darkened rear glass (12% VLT) ensure operators won't miss even the finest details while out in the field.





Standard cab shown.



Premium cab shown.

	STANDARD CAB	DELUXE CAB	PREMIUM CAB
Cab Suspension		Optimized cab suspension standard equipment	
Seating Surface	Fabric-covered operator seating; medium height seat-back		Premium leather high-back seat with heat and ventilation
Entertainment	AM/FM/weather band radio; two speakers		Deluxe satellite radio; Bluetooth® connectivity and mic for hands-free calling; Four speakers, stereo sound
Climate Controls	Manual controls		Automatic temperature controls (ATC)
External Mirrors	Manual adjust		Remote electrical adjust
Roof-Mounted Work Lights	Four halogen		Four high output LED
Rear Work Lights	Two halogen		Two high output LED
Stubble Lights	Two halogen		Two high output LED



# IMPROVED PRODUCTIVITY

WD5 series windrowers are loaded with a productivity software suite to provide ease of operation, fuel savings and overall increased capacity. With faster transport upgrades and rugged design improvements, new WD5 series windrowers easily cover more acres per hour and efficiently produce high-quality hay.

## MULTIPLE MODES MEANS MORE POWER

- **Field Cruise ECO power mode**, an industry exclusive, ensures maximum operating efficiency. In light-to-medium crop conditions, this mode lowers engine speed while ground speed remains constant. The reduction in engine RPM reduces noise and fuel consumption.
- **Field Cruise power cruise mode** ensures maximum capacity and productivity, varying ground speed up to a set point, while maintaining a target engine load. The machine actively monitors engine load and disc speed and then adjusts ground speed for the greatest capacity.

- **Headland management automation** makes repetitive headland turns effortless and accurate pass to pass. This precision solution controls ground speed, header lift and merger lift.
- **User-defined maximum speeds** can be set by the operator so the MultiFunction Handle can be pushed fully forward to return to the desired speed, keeping the operator from having to search for the correct speed after slowing for turns or obstacle avoidance.

## NEW HIGH-SPEED OPTIONS

- **High-speed equals high productivity.** The standard 22 mph base models and the 30 mph transport versions deliver faster field speeds than the prior generation.
- **The 30 mph option offers the industry's fastest transport speed**, a header forward concept for visibility, and a traditional drive wheel steering solution for slow speed maneuverability and it's the easiest transport system to activate. Simply select Road Transport Mode and the windrower takes care of the rest so you are ready to roll faster.



- **The rear steering manifold and steering cylinder enhance control and stability** by automatically activating at speeds above 10 mph. To retain slow speed maneuverability, rear steering disengages and allows full caster rotation. For added safety, the 30 mph version is equipped with service brakes for reduced stopping distances at higher speeds.

#### PRODUCE HIGH-QUALITY HAY FASTER

- **Field speeds up to 20 mph** and disc header cutting widths up to 19 feet makes the WD5 series the most productive windrowers available.
- **WD5 series windrowers can climb grades up to 70%**, providing greater operating flexibility for producers.
- **A robust drivetrain design produces over 11,000 foot-pounds of torque** to excel through hilly areas, while a longer wheelbase with 10-inch 4-link rear suspension provides greater stability, enhanced operator control and excellent clearance.

#### AFS CONNECT

- Advanced Farming Systems (AFS) Connect™ lets you **remotely monitor and manage your farm, fleet and data**, enabling you to optimize your performance, productivity and flexibility. Visualize your equipment efficiently with little to no idle time, placing information at your fingertips so you can successfully manage your operations anytime, anywhere.
- **AFS Connect Farm App:** View and monitor your equipment and field information in one place, all on your mobile device or tablet.



## WD5 SERIES WINDROWER SPECIFICATIONS

MODEL	WD1505	WD2105	WD2505
<b>POWER</b>			
Engine	Tier 4 B/Final, FPT with Selective Catalytic Reduction (SCR) only		
Rated Engine Power ISO—ECE R120	150	210 HP	250 HP
Max Engine Power ISO—ECE R120	161	220 HP	261 HP
Cylinders/Displacement	4-cylinder/4.5 L	6-cylinder/6.7 L	
Aspiration	Turbocharged with air-to-air intercooler		
Fuel Injection	Electronically controlled high-pressure common rail		
Batteries/Alternator	One 12-volt 950 CCA/150 amp; Optional 2 batteries with cold start	Two 12-volt 650 CCA/150 amp	
Fuel Capacity / DEF Capacity	120 US gal. (454 L) / 19 US gal. (71.9 L)		
Rotating Wand Cooling System Pre-Cleaner	Standard; 14 RPM rotation		
<b>DRIVETRAIN</b>			
Field Speed	0–20 mph		
Transport Speed (Standard / Optional)	0–22 mph / NA	0–22 mph / 0–30 mph with rear steering	
Tire Options (Standard Speed / High Speed)	18.4×26 R4; 21L×28 R4; 600/65 R28 R1W; 580/70 R26 R3	21L×28 R4; 600/65 R28 R1W; 580/70 R26 R3 / 600/65 R28 R1W; 580/70R26 R3	
Rear Tire Options	14L×16.1 8PR or 16.5L×16.1 8PR		
<b>DIMENSIONS (SHIPPING)</b>			
Length / Height / Width	208 in. (5283 mm) / 121 in. (3073 mm) / 140 in. (5556 mm)		
<b>HEADER</b>			
Header and Merger Compatibility	HDX142, 162, 182	HDX142, 162, 182; RD163/RD165; Triple windrow attachment	HDX142, 162, 182; RD163/RD165; RD193/RD195; Triple windrow attachment
Hydraulic Header Tilt	Standard		
Header Power Reverser	Standard		
In-cab Windrow Width Adjustment	Dealer installed attachment		
Single Lever Header Transport Lock	Standard		
<b>CAB</b>			
Cab Glass	73 sq. ft. tinted glass with 70% VLT in front, door and side glass, 12% VLT in rear glass		
Cab Suspension	Precision-tuned cab suspension		
Monitor	AFS Pro 700 10-in. color touch screen display		
Seat Options	Fabric with air suspension or red leather with air suspension, heat and ventilation		
Instructional Seat	Standard		

## RD5 SERIES DISC HEADER SPECIFICATIONS

MODEL	RD165	RD195
Compatible Windrower Models	WD2105/WD2505	WD2505
<b>HEADER</b>		
Cutting Width / Cutting Height	16.1 ft (4.9m) / 0.51 in. to 3.42 in.	19.3 ft (5.9 m) / 0.51 in. to 3.42 in.
Hood Liner	High-density, impact resistant polyethylene	
<b>CUTTERBAR</b>		
Cutterbed	Independent modular	
Number of Discs	10	12
Disc Shear Protection	Shock hub	
Knife Tip Speed @ Full RPM	195 mph @ 2600 disc rpm	
Maximum Disc Speed	2600	
Standard Knife Twist	12°	
Quick-change Knife System	Standard	
<b>ROLL CONDITIONING SYSTEM</b>		
Rolls-Intermeshing Chevron	Rubber-on-rubber, steel-on-steel, high-contact urethane	
Length	102 in. (2.6 m)	
Conditioning Roll Speed	938 rpm	
Roll Pressure/Separation	Single crank adjustable/Automatic on-the-go	

## HDX SICKLEBAR HEADER SPECIFICATIONS

MODEL	HDX142	HDX162	HDX182
<b>HEADER</b>			
Cutting Width	14 ft. 3 in. (4.34 m)	16 ft. 3 in. (4.95 m)	18 ft. 3 in. (5.56 m)
Overall Width	16 ft. 3 in. (4.95 m)	18 ft. 3 in. (5.56 m)	20 ft. 3 in. (6.17 m)
Weight—Rubber Rolls	3,900 lb. (1 770 kg)	4,120 lb. (1 869 kg)	4,370 lb. (1 983 kg)
Weight—Steel Rolls	4,000 lb. (1 815 kg)	4,220 lb. (1 915 kg)	4,470 lb. (2 028 kg)
<b>CUTTERBAR</b>			
Type	Timed dual counterstroking		
Drives	Right-hand and left-hand wobble with shaft drive		
Knives	Overserrated, bolted		
Guards	2-tine, double hardened		
Angle Range	6–12 degrees		
Adjustable Skid Shoes	4		
Cutting Height Range	1.2–6.2 in. (30.5–157 mm)		
<b>SICKLE DRIVE</b>			
Type	Open dual wobble		
Speed	1,810 SPM		
Stroke	3 in. (76 mm)		
<b>REEL</b>			
Type	5-bat		
Adjustments	Fore/aft and vertical		
Speed—Mech. Drive/ Hyd. Drive (Standard / Optional)	52–83 rpm / 0–76 rpm		
Speed Adjustment	Variable sheave		
Maximum Diameter	42 in. (1 067 mm)		
Drive	Belt and chain		
Tine Bars	Segmented; 1.25 in. (32 mm) bearings at the cam end; 1.25 in. (32 mm) bushings at all other locations		
Reel Bushings	2 in. (50.8 mm)	3 in. (76.2 mm)	4 in. (101.6 mm)
<b>CONDITIONER</b>			
Rolls—Intermeshing Chevron	Rubber-on-rubber		
Roll Length (Crush Area)	102 in. (2 591 mm)		
Roll Diameter	10.375 in. (263.5 mm)		
Roll Drive	Spur gearbox & PTOs		
Speed	717 rpm		
Gap/Pressure Adjustments	Stop bolts / Hand crank		
<b>AUGER</b>			
Type	Single, floating		
Diameter	20 in. (508 mm)		
Floating Range	2 in. (50.8 mm)		
Flighting Depth	5 in. (127 mm)		
Speed	287 rpm (with 45T driven sprocket)		
Windrow Width	36–96 in. (914–2 438 mm)		

Extension kit and crop deflectors available.



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