

WD4 SERIES WINDROWER AND HEADER SPECIFICATIONS

CASE II
AGRICULTURE



WD4 SERIES WINDROWER SPECIFICATIONS

MODEL	WD1504		WD2104		WD2504	
POWER						
Engine	Case IH/FPT Tier 4 B/Final with Selective Catalytic Reduction (SCR) only					
Rated Engine Power ISO - ECE R120	150 HP (112 kW)		210 HP (156 kW)		250 HP (186 kW)	
Max Engine Power ISO - ECE R120	161 HP (120 kW)		220 HP (164 kW)		261 HP (194 kW)	
Cylinders/Displacement	4 cyl./274 cu. in. (4.5 L)		6 cyl./411 cu. in. (6.7 L)		6 cyl./411 cu. in. (6.7 L)	
Aspiration	Turbocharged with air-to-air intercooler					
Fuel Injection Pump	Electronically controlled high-pressure common rail					
Batteries/Alternator	One 12-volt 925 CCA / 150 Amp		Two 12-volt 650 CCC / 150 Amp			
Fuel Capacity	120 U.S. Gal. (454 L)					
DEF Capacity	19 U.S. Gal. (71.9 L)					
Rotating Wand Cooling System Pre-Cleaner	Standard					
POWER TRAIN						
Transmission (Standard/Optional)	Dual range hydrostatic/High speed, 3-range hydrostatic					
Final Drive	Double reduction planetary					
Steering	Hydrostatic					
Speed Range ¹ – 2 Speed Drive/3 Speed Drive	0–19 mph (0–30.6 kph)/0–24 mph (0–38.6 kph)					
DIMENSIONS						
Length with Header	280.5 in. (7 125 mm) ² with HDX sickle head		283 in. (7 188 mm) ⁴ with RD163 disc head			
Length without Header and Lift Arms	202.3 in. (5 138 mm) ²		199.2 in. (5 060 mm) ³			
Height	134.3 in. (3 411 mm) ²		134.8 in. (3 424 mm) ³			
Wheelbase	144.1 in. (3 659 mm)					
Front Tread Width	148.5 in. (3 771 mm) ²		154.8 in. (3 932 mm) ³			
Rear Tread Width (Adjustable)	90/105/120 in. (2 286/2 667/3 048 mm)					
Rear Axle	Suspended axle, Standard ; Fixed axle, Optional		Suspended axle, Standard			
Tractor Weight	11,680 lbs. (5 299 kg) Hay ² /12,470 lbs. (5 658 kg) Draper ⁴		12,370 lbs. (5 613 kg) Hay ³ /13,000 lbs. (5 613 kg) Draper ⁴		12,500 lbs. (5 672 kg) Hay ³ /13,130 lbs. (5 957 kg) Draper ⁴	
Rear Tires	14L × 16.1 8PR or 16.5L × 16.1 8PR					
Rear Axle Ground Clearance	42.5 in. (1 080 mm)					
HEADER †						
Header Drive	Hydraulic					
Header Flotation	Hydraulic (in-cab adjustable) - Standard		Independent hydraulic flotation (flotation weight at each end of header independently controlled from cab)			
Hydraulic Header Tilt	Standard					
Header Power Reverser	Standard					
Windrow Shields	Draper models: fixed shields, standard; adjustable shields, optional / Hay models: adjustable shields, standard					
In-Cab Windrow-Width Adjustment	Optional					
Single Lever Header Transport Lock System	Standard					
CAB						
Type	Deluxe; curved tinted glass					
Cab Suspension	Standard					
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					
Instructional Seat	Standard					

¹ Speed range varies by tire size, ² with 480/80R26 R3 tires, ³ with 580/70R26 R3 tires, ⁴ with 600/65R28 R1W tires. † All WD4 Windrowers can be ordered draper ready.

MORE CONTROL AND PRODUCTIVITY.

Case IH WD4 windrowers offer industry-leading horsepower thanks to Case IH Efficient Power featuring SCR-only exhaust after-treatment technology that meets Tier 4 B/Final emissions requirements – and results in an 11% increase in fluid efficiency compared to previous models.

WD4 windrowers feature factory-installed autoguidance for increased productivity and reduced operator fatigue. The system provides cutting accuracy to +/- 1.5 inch and virtually eliminates pass-to-pass overlap, increasing harvesting efficiency in wide cutting

and swathing applications. The system components, including the AFS Pro 700 monitor, are common to all Case IH high-horsepower equipment and are easily moved from one machine to another.

The new hydraulically controlled steering system provides improved drivability in the field and great steering responsiveness on the road, allowing operation at road speeds up to 24 mph.

WD4 WINDROWER HEADER AND DOUBLE WINDROW ATTACHMENT OPTIONS				
Windrower Model	HDX2 Sickle Headers	RD3 Disc Headers	DH3 Draper Headers	Double Windrow Attachment
WD1504	HDX142 HDX162 HDX182	NA	DH253 DH303 DH363	NA
WD2104	HDX162 HDX182	RD163	DH253 DH303 DH363 DH403	✓
WD2504	HDX162 HDX182	RD163 RD193	DH253 DH303 DH363 DH403	✓



RD3 ROTARY DISC HEADER SPECIFICATIONS

MODEL	RD163	RD193
Compatible Windrower Model	WD2104/WD2504	WD2504
HEADER		
Type	Hydrostatically driven header with dual hydraulic header drive motors	
Cutting Widths	16.1 ft. (4.9 m)	19.3 ft. (5.9 m)
Cutting Height	0.7–3.5 in. (18–89 mm)	
Operating Weight – with Chevron Rubber Conditioning Rolls	4,745 lbs. (2 152 kg)	5,412 lbs. (2 455 kg)
Hood Liner	High-density, impact-resistant polyethylene	
CUTTERBED		
Disc Drive	Modular disc-drive	
Number of Discs	10	12
Individual Disc Shear Protection	Standard	
Maximum Disc Speed	2,500 rpm	
Cutterbar Type	Bevel-gear, individual modules	
HAY CONDITIONER – REMOVABLE CONDITIONING ROLLS MODULE		
Rolls – Intermeshing Chevron	Rubber-on-rubber or steel-on-steel	
Length	102 in. (2.6 m)	
Conditioning Roll Speed	938 rpm	
Roll Pressure / Separation	Single crank adjustable / Automatic on-the-go	
FLAIL CONDITIONER		
Length	90 in. (2.3 m)	
Speed	1,310 rpm	
Hood Position	Single crank adjustment	
Windrow / Swath Width	38–84 in. (965–2 134 mm)	
AUGER		
Auger	Floating auger: 20 in. (508 mm) diameter, 7 in. (1 77.8 mm) flighting, slip clutch protected	
HYDRAULICS		
Hydraulic Adjustable Floation	Yes	
Hydraulic Adjustable Tiit Angle	Yes	

EASY-TO-USE QUICK CHANGE KNIFE SYSTEM.

Replacing dull or damaged knives in the field is a snap with the unique new quick change knife system. Plus the discs rotate 180 degrees so all the knives can be flipped or replaced with just one rotation. The patented eccentric knife nut and spring steel retainer use centrifugal force for exceptional blade security. The quick change knife system works with all Case IH disc header knives.



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WD2104	HDX162 HDX182	RD163	DH253 DH303 DH363 DH403	✓
WD2504	HDX162 HDX182	RD163 RD193	DH253 DH303 DH363 DH403	✓

HDX SICKLEBAR HEADER SPECIFICATIONS

MODEL	HDX142	HDX162	HDX182
HEADER			
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 lbs. (1 770 kg)	4,120 lbs. (1 869 kg)	4,370 lbs. (1 983 kg)
Weight - Steel Rolls	4,000 lbs. (1 815 kg)	4,220 lbs. (1 015 kg)	4,470 lbs. (2 083 kg)
CUTTERBAR			
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)		
SICKLE DRIVE			
Type	Open dual wobble		
Speed	1,810 SPM		
Stroke	3 in. (76 mm)		
REEL			
Type	5-bat		
Adjustments	Fore/aft and vertical		
Speed - Standard Mech. Drive	52–83 rpm		
- Optional Hyd. Drive	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. (25.4 mm)	3 in. (25.4 mm)	4 in. (25.4 mm)
CONDITIONER			
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		
AUGER			
Type	Single, floating		
Diameter	20 in. (508 mm)		
Floating Range	2 in. (50.8 mm)		
Flighting Depth	5 in. (178 mm)		
Speed	287 rpm (with 45T driven sprocket)		
Windrow Width	36–96 in. (910–2 438 mm)	36–96 in. (910–2 438 mm)	36–96 in. (910–2 438 mm)

Extension kit and crop deflectors available.

DH3 SERIES DRAPER HEADER SPECIFICATIONS

MODEL	DH253	DH303	DH363	DH403
TYPE				
Single-Knife Drive, Single Swath, Single Reel	✓	✓		
Single-Knife Drive, Double Swath, Single Reel	✓	✓		
Double-Knife Drive, Single Swath, Single Reel	✓	✓	✓	
Double-Knife Drive, Single Swath, Split Reel			✓	✓
Double-Knife Drive, Double Swath, Single Reel	✓	✓	✓	
Double-Knife Drive, Double Swath, Split Reel			✓	
HEADER				
Cutting Width	25 ft. (7.6 m)	30 ft. (9.1 m)	36 ft. (11.0 m)	40 ft. (12.2 m)
Approximate Weight (Includes Reel)	4,675 lbs. (2 121 kg) (est.)	5,631 lbs. (2 554 kg)	6,702 lbs. (3 040 kg)	7,174 lbs. (3 254 kg)
Max. Wt., Fully Optioned, (Incl. Reel) as Identified on Pin Plate	4,887 lbs. (2 221 kg)	5,991 lbs. (2 723 kg)	7,069 lbs. (3 213 kg)	7,715 lbs. (3 506 kg)
Cutting Height (Minimum) at Maximum Tilt	0.75 in. (19 mm) at 8 degrees tilt			
Center-Delivery Windrow Width Opening1	56–72 in. (1.42–1.83 mm)			64–80 in. (1.63–2.03 mm)
Double-Swath End Windrow Width Opening2	54–65 in. (1.37–1.65 mm)			N/A
Transport Height to Guard Tips with 600/65R28 Tires	43.3 in (1.1 m) with tilt cyl. fully retracted; 31.9 in. (.81 m) with tilt cyl. fully extended			
Transport Height to Lowest Point on Header (excluding gauge wheels)	28.0 in (.712 m) ³ with tilt cyl. fully retracted; 27.4 in (.695 m) ³ with tilt cyl. fully extended			
CUTTERBAR				
Type	Case IH with standard or stub guards, or Schumacher Easy Cut			
Knife Drive	Schumacher Pro-Drive system: hydraulically-driven, planetary-reduction sickle drive			
Sickles	1 or 2	1 or 2	2	2
Sickle Speed	1,400 SPM			
Sickle Stroke	3.35 in. (85 mm)			
Hay Guards	Standard			
Tilt Angle Range	2–8 degrees			
REELS				
Choices (SF = Steel Fingers, PF = Plastic Fingers)	UII reel, 6-bat, with SF or PF; HCC reel, 6-bat, flipover, with heavy-duty, long PF		UII reel, 6-bat, single, with PF; UII reel, 6-bat, split, with PF; HCC reel, 6-bat, flipover, with heavy-duty, long PF	UII reel, 6-bat, split, with PF; HCC reel, 6-bat, flipover, with heavy-duty, long PF
Speed Range	10–75 rpm			
Drive	Single reels equipped with single, hydraulic-driven, chain-and-sprocket reduction drive with 15.9 cu. in. (260 cc) motor; Split reels equipped with two, hydraulic-driven, chain-and-sprocket reduction drives with 15.9 cu. in. (260 cc) motors			
Hydraulic Reel Fore / Aft Adjustment	Standard			
Hydraulic Reel Raise / Lower Adjustment	Standard			
DRAPER BELTS				
Belt Width and Construction	42 in. (1.07 m) 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	0–760 ft. (0–232 m) per minute			
Cleat Design And Height In. (Mm)	1/2 in. (13mm) high cleat, with embedded fiberglass rod reinforcement			
Chaff Barrier Seal Design	Continuous, 1/2 in. height, rubber, inverted 'V' barrier on front edge of outside of belt, with minimal clearance to hay guard			
Belt Angle (at Minimum Cutterbar Tilt)	15 degrees at 2 degrees tilt			
Double Swath Shift Means	Hydraulic			

MODEL	DH253	DH303	DH363	DH403
IN-CAB CONTROLS				
Reel Speed	Standard, ground-speed synchronized; variable from 100–130% (up to 75 rpm) of ground speed; choice of auto or manual mode			
Draper-Belt Speed				
Reel Raise/Lower	Standard			
Reel Fore/Aft	Standard			
TRANSPORT				
Lift Brackets Only for Handling Header	✓	✓	✓	✓
Slow-Speed, 2-Wheel Transport ⁴	✓	✓	✓	
Slow-Speed, 4-Wheel Transport ⁵			✓	✓
Castoring Gauge Wheels	N/A	Optional	Optional	Optional

Ballasting kits available.

¹ Increase center opening to 80" (2.03m) by removing extension panels at the inner end of the rear walls

² Vary end opening width by adjusting movable end deflector

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

⁴ Unit equipped with fold-down axle assembly and telescoping tongue for slow-speed, endwise transport. Requires tires/wheels/hubs/spindles kit (order separately) unless the unit is equipped with castoring gauge wheels.

⁵ Unit equipped with fold-down axle assembly (RH end), dolly-wheel set (LH end), 2-piece tongue (LH end) for slow-speed, endwise transport. Requires tires/wheels/hubs/spindles kit for the fold-down axle assembly (order separately) unless the unit is equipped with castoring gauge wheels.

Cutterbar Options (factory-installed)

- 6" segmented poly cutterbar full width skid plates for on-ground operation. All models.
- Adjustable, end skid shoes reduce header gouging in uneven terrain. Adjustable 0–3" @ 2 deg. tilt.
- Adjustable end skid shoes (one each end) and adjustable middle skid shoes (two skid shoes install on center struts) reduce header gouging in uneven terrain. Adj. range of 0–3" @ 2 deg. tilt.
- Rotary shear-ready.
- Cross auger kit aids crop delivery to center opening in high-volume crops. Hydraulically driven. Height adjustment range: 7.5" (190mm). Speed range: 0–400 rpm. 30', 36', and 40' models only.

ACRE AFTER ACRE.

Swath canola, cereals, and specialty crops more efficiently with Case IH WD4 series windrowers with DH3 draper heads. Three models, with cutting widths from 25 to 40 ft. (7.6 to 12.2 m), plus a selection of double or single knife drives and double swath or standard decks, let you make quick work of a large acreage. The new draper head cuts crops quicker and leaves them in faster-drying swath formations. The all new cutting system improves the cut quality and smooths feeding to reduce harvest loss. Integrated Case IH AFS AccuGuide™ autoguidance technology provides cutting accuracy to +/- 1.5 inch and ends pass-to-pass overlap.



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