

# New Holland H8000 Series Self-Propelled Windrower Specifications



H8040 H8040 Prairie Special H8060 H8080

MODEL	H8040 H8040 PRAIRIE SPECIAL	H8060	H8080
<b>ENGINE</b>	New Holland 4-cylinder 274 cu. in. (4.5 L)	New Holland 6-cylinder 411 cu. in. (6.7 L) Turbocharged with air-to-air intercooler	New Holland 6-cylinder 411 cu. in. (6.7 L)
Rated horsepower (kW)*	126 (94) @ 2,300 rpm	190 (142) @ 2,200 rpm	226 (168) @ 2,200 rpm
Fuel injection pump	Mechanical	Electronically controlled high pressure common rail	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, gal. (L)		120 (454)	
Rotary radiator screen cleaner		Standard	
<b>TRANSMISSION</b>		Dual range hydrostatic	
Final drive		Double reduction planetary	
Steering		Hydrostatic	
Speed range, mph (kph)	0-10.6 (0-17) working** 0-15.8 (0-25.4) - road**	0-12.5 (0 - 20) - working*** 0-18 (0 - 29) - road***	0-12.5 (0 - 20) - working*** 0-18 (0 - 29) - road***
<b>LENGTH, with header</b>	283.1 (7192) with HS Series	269.5 (6847) with 2355	269.5 (6847) with 2358
Less header and lift arms, in. (mm)		205.2 (5213)	
Height, in. (mm)	134.1 (3415)**	136.1 (3456)**	136.1 (3456)**
Wheelbase, in. (mm)		138 (3494)	
Front tread width, in. (mm)	127 (3225)**	130.2 (3308)**	130.2 (3308)**
Rear tread width (adjustable), in. (mm)		90-105-120 (2286-2667-3048)	
Rear axle suspension		Optional	
Tractor weight, lbs. (kg)	10,745 (4874)**	11,365 (5155)**	11,365 (5155)**
Rear axle tires		14L x 16.1 8PR	
Rear axle ground clearance	35.7 (908) with 18.4 x 26 front tires	35.7 (908) with 18.4 x 26 front tires	38.8 (986) with 23.1 x 26 front tires
Header drive		Hydraulic	
Header flotation	Hydraulic (in-cab adjustable)	Independent hydraulic flotation (flotation weight at each end of header independently controlled from cab)	
<b>HEADER TILT</b>		Standard	
Header power reverser		Standard	
Adjustable windrow shields		Standard	
In-cab windrow-width adjustment		Optional	
Single lever header Transport lock system		Standard	
<b>CAB</b>		Deluxe, curved tinted glass	
Cab suspension		Standard	
Cab air filtration		Dual: 1 external air filter and 1 in-cab recirculation filter	
Seat		Deluxe air suspension seat with fore/aft lumbar adjuster, ride dampening	
Instructor seat		Standard	

\*Manufacturer's rating per ECE R120 / ISO 14396 \*\*with 18.4 x 26 tires \*\*\*with 23.1 x 26 tires

HEADERS	Sickle Hay Headers				Disc Hay Header			Draper Headers			
	12HS*	14HS	16HS	18HS	720HD**	750HD	770HD	21HB**	25HB	30HB	36HB
	12 ft., 3 in.	14 ft., 3 in.	16 ft., 3 in.	18 ft., 3 in.	13 ft.	15 ft., 5 in.	18 ft.	21 ft.	25 ft.	30 ft.	36 ft.
H8040	•	•	•	•	NA	NA	NA	•	•	•	•
H8060	•	•	•	•	•	•	NA	•	•	•	•
H8080	•	•	•	•	•	•	•	•	•	•	•

\*12-foot header requires 16.9 x 28 drive tires \*\*not compatible with 23.1 x 26 drive tires

# New Holland HS Series Sicklebar Header Specifications



12HS 14HS Specialty 16HS 18HS

MODELS	12HS	14HS / 14HS SPECIALTY	16HS	18HS
Cutting width, ft. in. (m)	12' 3" (3.73)	14' 3" (4.34)	16' 3" (4.95)	18' 3" (5.56)
Overall width, ft. in. (m)	14' 3" (4.34)	16' 3" (4.95)	18' 3" (5.56)	20' 3" (6.17)
Weight, lb. (kg) – rubber rolls	3,630 (1647)	3,900 (1770) / 3,180 (1442)	4,120 (1869)	4,370 (1983)

## CUTTERBAR

Type	Timed, dual, counterstroking			
Knives	Overserrated, bolted			
Guards	2-tine, double-hardened	2-tine, double-hardened (14HS) 2-tine stub, double-hardened, independent adjustable hold-down (14HS Specialty)	2-tine, double-hardened	2-tine, double-hardened
Angle range, degrees	-6 to -12			
Skid shoes	2	4	4	4
Cutting height, in. (mm)	1.2-6.2 (30.5-157.5)			

## SICKLE DRIVE

Type	Open, dual, wobble			
Speed, SPM	1,810	1,810 / 1,828	1,810	1,810
Stroke, in. (mm)	3 (76)			

## REEL

Type	5-bat	5-bat / 6-bat	5-bat	5-bat
Adjustments	Fore/aft & vertical			

## SPEED

Mechanical drive, rpm	52-83	52-83 / NA	52-83	52-83
Hydraulic drive (optional), rpm	0-76	0-76 / Standard 0-76	0-76	0-76
Speed adjustment	Variable sheave	Variable sheave / In cab	Variable sheave	Variable sheave
Diameter, in. (mm)	.42 (1067)			
Drive	Belt & chain	Belt & chain / Hydraulic motor and chain	Belt & chain	Belt & chain
Tine bars	Segmented			
Bushings/bearings, in. (mm)	1.25 (31.75) bearing w/collar at cam end & bushings at all other locations			

## CONDITIONER

Type	Chevron-design intermeshing rubber	Chevron-design intermeshing rubber / NA	Chevron-design intermeshing rubber	Chevron-design intermeshing rubber
Roll length (crush area), in. (mm)	102 (2591)	102 (2591) / NA	102 (2591)	102 (2591)
Roll diameter, in. (mm)	10.375 (263.5)	10.375 (263.5) / NA	10.375 (263.5)	10.375 (263.5)
Roll drive	Spur gearbox & PTOs	Spur Gearbox & PTOs / NA	Spur gearbox & PTOs	Spur gearbox & PTOs
Speed, rpm	717	717 / NA	717	717
Roll pressure	Hand crank	Hand crank / NA	Hand crank	Hand crank
Roll gap	Adjustable stop-bolt	Adjustable stop-bolt / NA	Adjustable stop-bolt	Adjustable stop-bolt
Windrow width, in. (mm)	38-96(910-2438)	38-96 (910-2438) / 60 (1324) or 83 (2108)	38-96 (910-2438)	38-96 (910-2438)

## AUGER

Type	Single, floating			
Diameter, in. (mm)	20 (508)			
Floating range, in. (mm)	2 (50.8)			
Flighting depth, in. (mm)	5 (178)			
Speed, rpm	287	287 / 215	287	287

## OPTIONS (field-installed)

- Crop dividers
- High-contact chevron conditioning rolls
- 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 (standard or speciality heads)
- 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

# New Holland Discbine® Disc Header Specifications



720HD 750HD 750HD Specialty 770HD

MODEL	720HD	750HD	750HD SPECIALTY	770HD
WINDROWER MODEL	H8060/H8080	H8060/H8080	H8060/H8080	H8080
Header drive.....	Hydrostatically driven header with dual hydraulic header drive motors.....			
Cutting width, ft. in. (m)	13' (3.96)	15' 4" (4.7)	15' 4" (4.7)	17' 11" (5.45)
Overall width, ft. in. (m)	13' 3" (4.04)	15' 6" (4.75)	15' 6" (4.75)	18' 1" (5.51)
Weight, lbs. (kg)	3010 (1365)	4680 (2123)	3305 (1499)	4890 (2218)
<b>MODULAR DISC CUTTERBAR</b>				
Number of discs	10	12	12	14
Maximum disc speed, rpm.....	3000.....			
Number of reversible, swing-away knives	20 (2 per disc)	24 (2 per disc)	24 (2 per disc)	28 (2 per disc)
Knife tip speed, mph (kph)	187 (301)	187 (301)	187 (301)	187 (301)
Flotation.....	Hydraulic adjustment from windrower cab.....			
Cutting angle and height.....	Standard hydraulic control, from 2 to 12 degrees (minimum: 0.6 in. [15 mm])..... with standard skid shoes*			
Transport height— bottom of skid shoes, in. (mm)	24.5 (622)	29.6 (754)	29.6 (754)	29.6 (754)
Hood liner.....	High density, impact-resistant polyethylene.....			
<b>CONDITIONER</b>				
Type	Chevron-design, intermeshing molded rubber rolls	Chevron-design, intermeshing molded rubber rolls	NA	Chevron-design, intermeshing molded rubber rolls
Length, in. (m)	102 (2.6)	102 (2.6)	NA	102 (2.6)
Roll speed, rpm	920	923	NA	923
Roll pressure	Torsion-bar roll pressure system adjusts with a single crank, rolls separate automatically "on the go" to allow thick material to pass	Torsion-bar roll pressure system adjusts with a single crank, rolls separate automatically "on the go" to allow thick material to pass	NA	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	NA	Adjustable stop-bolt
Windrow/swath width, in. (mm)	38–96 (965–2438)	38–96 (965–2438)	60 (1524), 83 (2108) or 100 (2540)	38–96 (965–2438)
<b>AUGER</b>				
Type	NA	Floating	Floating	Floating
Maximum diameter, in. (mm)	NA	20 (508)	20 (508)	20 (508)
Flighting depth, in. (mm)	NA	5 (127)	Tapered, 7 (178) to 1 (25)	7 (178)

\*with 18.4 x 26 tires \*\*with 23.1 x 26 tires

**OPTIONS (field-installed):**

- Crop dividers
- High-contact chevron conditioning rolls
- High stubble kit
- Corner marker kit
- Slatted-steel conditioning bundle
- Gauge wheels
- Push bar
- Closure kit

# New Holland HB Series Draper Header Specifications

21HB 25HB 30HB 36HB



MODEL	21HB	25HB	30HB	36HB
<b>VERSIONS AVAILABLE</b>				
Single-knife drive, standard deck		X	X	
Single-knife drive, double swath		X	X	
Double-knife drive, standard deck		X	X	X
Double-knife drive, double swath	X	X	X	X
<b>HEADER</b>				
Cutting width, ft. (m)	21 (6.4)	25 (7.6)	30 (9.1)	36 (11)
Approximate weight (includes reel), lbs. (kg)	3880 (1760)	4135 (1875)	5021 (2278)	5434 (2465)
Cutting height (minimum), in. (mm)	1.0 (25)*	1.0 (25)*	1.0 (25)	1.0 (25)*
Castering gauge wheels	NA	Optional	Standard	Standard
Standard deck center windrow width opening, in. (m)	NA	80 (2.03)	80 (2.03)	80 (2.03)
Double swath center windrow width opening, in. (m)	50 (1.27)	56 (1.42)	56 (1.42)	56 (1.42)
Slow speed header transport kit			Standard	
Transport height, in. (m)		40 (1.02) from tip of guards to ground)*		
<b>CUTTERBAR</b>				
Cutting system	Choice of New Holland dual-knife system or Schumacher single-or dual-knife system			
Knife drive	Schumacher hydraulically-driven, planetary-reduction sickle drive			
Sickles	2	1 or 2	1 or 2	2
Sickle speed - strokes per minute	1400			
Sickle stroke, in. (mm)	3.31 (84)			
Hay guards	Standard			
<b>REELS</b>				
Type	Steel	Pick-up with steel or plastic fingers		Plastic fingers
Speed range	20-48 rpm	20-48 rpm	20-48 rpm	20-48 rpm
Drive	Direct hydraulic drive w/ 45 cu. in. (.74 L) motor			
Hydraulic reel fore / aft adjustment	Standard	Optional	Optional	Standard
<b>DRAPER BELTS</b>				
Belt width and construction	42 in. (1.07 m) rubberized polyester belt with fiberglass reinforcement, tie bar end connection and molded V-Guide			
Speed range, ft. (m)	0 - 705 (215) / minute			
In cab canvas-speed control	Standard			
Angle	10 to 20 degrees			
Double swath shift means	Hydraulic			

\* with 18.4 x 26 drive tires

**OPTIONS (factory-installed)**

- Poly cutterbar skid plates
- End-gauge wheels
- Castering gauge wheels for 25HB
- Cross auger kit

# New Holland SP Windrower Dual Windrow Merger Attachment Specifications



## GENERAL INFORMATION

Mechanical design	Laterally-mounted, draper-belt conveyor; folds up under windrower belly frame when not in use, allowing single windrow or swath formation. Merger folds down and forward (further forward at the left end) when deployed for merging application. Movable deflector allows operator to control distance crop is thrown.
Crop delivery direction	Right side, behind right front tire
Windrower compatibility	Tier II, 6-cylinder models (non-draper) and all Tier III, 6-cylinder models (except with dealer-installed draper ready)
Windrower software requirement	7.1 or higher*
Header compatibility	15.5' and 18' disc headers with conditioning system
Belt construction	Single ply w/two ply edges; vulcanized endless construction w/vee-guide tracking rib on inner surface and lateral cleats on the outer surface to positively move material
Belt tensioning	Adjustable spring tension to minimized shock loading
Belt tracking	Eye bolt adjustment at front end of driver roll
Merger conveyor flotation	Table can float upward to minimize damage in the event of an obstruction or obstacle

## HYDRAULIC SYSTEM

Raise/lower-deflector- belt drive	Common system utilizing optional windrower-mounted auxiliary hydraulic system
Pump type	Windrower-mounted, fixed-displacement
Pump capacity @ rated speed, gpm	Tier II - 11.3 gpm (42.8 lpm); Tier III - 15.1 gpm (57.2 lpm)
Relief Pressure, psi (bar)	2000 (137.9)
Belt drive type	Fixed-displacement gear motor drive through #50 chain
Motor displacement, cu. in. (cu. cm)	1.53 (25)
Conveyor belt speed range, mph (kph)	7 - 13 (11.3 - 21)
Raise/lower cylinder, in. (mm)	2.5 (63.5) diameter, double-acting w/mechanical transport lock
Side deflector cylinder, in. (mm)	1.5 (38.1) diameter, double-acting

## SIDE DEFLECTOR

Design	Top-hinged, formed steel deflector w/plastic lower extension to protect the deflector from damage in the event of hitting an obstruction or high-centering
Mounting frame	Horizontal (manually) adjustable to accommodate two sizes of headers and operator preference on windrow shape and width

## OPERATOR CONTROLS

Raise/lower	Propulsion handle-mounted button control- fully up or fully down
Belt speed	Right-hand console mounted, two-action On/Off switch and variable speed toggle switch
Side deflector	Propulsion handle-mounted rocker-switch, variable position control

## DIMENSIONS

Conveyor frame length, in. (mm)	77.4 (1966.2)
Conveyor frame width, in. (mm)	89 (2260.5)
Conveyor belt width, in. (mm)	42 (1066.8)
Conveyor belt length, in. (mm)	84.6 (2150) center to center of rolls
Belt roller diameter, in. (mm)	4 (101.6)
Ground clearance, operating, in. (mm)	Adjustable; 5 (127) recommended (continuous ground contact is not intended)
Ground clearance, transport, in. (mm)	28 (711)

## WEIGHT (merger attachment only; does not include aux. hyd. kit)

Shipping, lb. (kg)	1125 (510.3)
Operating, lb. (kg)	976 (443)

## LUBRICATION

Grease points	50 hr. lube interval at 3 zerks
Drive chain	10 hr or daily interval; lube belt drive chain w/motor oil

## OTHER REQUIREMENTS

Auxiliary hydraulic drive kit	Select Tier II (dealer installed) or Tier III kit (factory- or dealer-installed option)
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\* 7.1 is assumed to be the level that will be installed concurrent w/MY09 Job 1 at this time (3/08). MY08 units have 7.0 installed. Special software was provided for each of the pre-build units. Software on those units need not be replaced, unless other issues would necessitate it.

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Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.



Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.