

New Holland H8000 Series Self-Propelled Windrower Specifications



H8040 H8040 Prairie Special H8060 H8080

| MODEL | H8040 H8040 PRAIRIE SPECIAL | H8060 | H8080 |
|--|---|--|---|
| ENGINE | 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 | |
| TRANSMISSION | | 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*** |
| LENGTH, with header | 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) | |
| HEADER TILT | | Standard | |
| Hydraulic | | Standard | |
| Header power reverser | | Standard | |
| Adjustable windrow shields | | Standard | |
| In-cab windrow-width adjustment | | Optional | |
| Single lever header Transport lock system | | Standard | |
| CAB | | 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) |
| MODULAR DISC CUTTERBAR | | | | |
| 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..... | | | |
| CONDITIONER | | | | |
| 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) |
| AUGER | | | | |
| 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 |
|---|--|--|-------------|-----------------|
| VERSIONS AVAILABLE | | | | |
| 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 |
| HEADER | | | | |
| 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)* | | |
| CUTTERBAR | | | | |
| 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 | | | |
| REELS | | | | |
| 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 |
| DRAPER BELTS | | | | |
| 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) |
|-------------------------------|---|

* 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.

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