

4890 AND 4990 SELF-PROPELLED WINDROWERS



4890 Self-Propelled Windrower with 890 Auger Platform



4990 Self-Propelled Windrower with 990 Rotary Platform

FEATURE/BENEFIT PROFILE



4890 Windrower with 890 Platform shown

4890 IS COMPATIBLE WITH THE HEAVY-DUTY 890 SICKLE PLATFORM

- 890 is built to meet the demands of large hay growers and commercial operators.

4990 IS COMPATIBLE WITH THE HEAVY-DUTY 990 ROTARY PLATFORM

- 990 is designed for the customer who desires high-speed cutting to cover more acres in a day.
- 990 cuts through those wet, tough crops fast and easy.
- 990 features three choices of conditioning—exclusive impeller conditioning, steel fluted rolls or urethane rolls.

OPERATOR'S ENCLOSURE

- Air conditioned and heated cab for operator comfort.
- Personal-Posture™ air suspension seat with seat belt for comfortable ride.
- Training seat with seat belt makes it convenient to train new operators.
- Single-blade windshield wiper for improved visibility when transporting in inclement weather.
- Tilt-telescoping steering column.

PLATFORM REVERSER ON THE 890

- Engages reverser from the cab to remove obstructions from the comfort of the platform.
- 890 reverses conditioner, augers, reel, and knife drives.

VARIABLE DISK SPEED FOR THE 990

- Allows operator to adjust disk cutting speeds for improved quality of cut in light or heavy crop conditions.
- Reduced speeds will reduce wear on cutting components.

JOHN DEERE POWER TECH ENGINES

- 4890 uses a 4.5L (276 cu. in.) four-cylinder turbocharged engine with 100 horsepower.
- 4990 has a 6.8L (414 cu. in.) six-cylinder turbocharged engine with 172 horsepower.
- Both engines meet U.S. Environmental Protection Agency's (EPA) emissions standards for off-road diesel engines.
- Engine service points are on left-hand side for easy access.

LARGE ROTARY WAND AIR SCREEN

- Supplies a flow of clean air to the radiator and hydrostatic cooler for reliable cooling.

HYDROSTATIC DRIVE

- Two speed, dual range field and transport.
- Precise control of ground speed.
- Easily match varying crop and field conditions.

PLANETARY FINAL DRIVES

- Large, heavy-duty planetary final drives provide increased strength for dependable operation in adverse field conditions.

LARGE-DIAMETER TIRES

- 18.4 x 26 bar or button tread.
- Large rolling radius; smooths out rough field conditions for a comfortable ride.

HEAVY CHANNEL STEEL MAINFRAME

- Built strong to stand up in rough operating conditions.

HEAVY-DUTY PLATFORM DRIVE MOTOR

- The 4890 offers the highest rated platform hydraulic drive motor in the industry (62 horsepower).
- The 4990 platform drive motor is capable of delivering 152 horsepower at 6000 psi.
- Same motor components are used in John Deere 9000 Series combines as a ground drive hydrostatic transmission.

ON-THE-GO PLATFORM TILT

- Adjust cutterbar angle from the cab to match changing crop or field conditions.

HYDRAULIC PLATFORM FLOAT

- Easily adjusts from the cab to match crop and field conditions.
- Digital readout (in 10 psi increments) displayed in cab.

PRODUCT STORY

MARKETS



The 4890 and 4990 are designed to meet the demands and productivity requirements of large hay growers and commercial haying operations, whether they prefer a sickle cut or a faster rotary cut.

The 4890 is compatible with the 890 Sickle Auger Platform and the 890 Specialty Crop Platform.

The 4990 is compatible with the 990 Rotary Platform. Beginning in November of 2000 a bundle will be available to adapt the 890 Sickle Auger and Specialty Crop Platforms to the 4990.

KEY NEW FEATURES FOR MODEL YEAR 2001

Large Rear Caster Wheel Option for 4890 and 4990

14Lx16.1 ribbed tires, including larger tire rims and caster forks, will be available as an option. The larger tire option provides the operator with a more comfortable ride in rough field conditions. The 12.5Lx16 caster wheel tires will remain as standard equipment. A complete goods bundle to convert field machines will be available in November 2000.

Engine Air Intake Commonality Between 4890 and 4990

4890 Windrowers will include the same air intake system as the Model 4990. This change will include a larger air filter housing in the engine compartment, the same air filters as the 4990, and the external air intake located above the hood behind the cab. These changes increase the size and capacity of the air filtration system on the 4890 and bring air to the engine from a cleaner environment.

Rotary Air Screen Commonality Between 4890 and 4990

4890 Windrowers will utilize the same rear rotary air screen as the 4990. This will provide an increase in surface area of over 22 percent.

Door Handle Added for Training Seat

In accordance with ASAE and industry standards, a door handle has been added to the inside of the cab entry door. The handle and lap belt provide support and restraint for the occupant of the training seat.

890 Platform Adaptability for 4990

Beginning in November 2000 a compatibility package will be available to place an 890 Auger or 890 Specialty Crop Platform on a 4990 traction unit. This conversion will provide the capability for higher horsepower in sickle applications in addition to the ability to change between rotary and sickle platforms on the Model 4990.

JOHN DEERE DIESEL ENGINES



4990 Engine shown

The 4890 uses a John Deere PowerTech® 4.5 L (276 cu. in.) 4-cylinder, 100 horsepower, turbocharged engine.

- Wet-sleeve cylinder liners extend service life.
- Service points are all on left side of engine for operator convenience.
- Air intake stack is located behind the cab, in cleaner air, for less maintenance to air cleaner.
- Smooth power is a result of using gear-driven balance shafts in the engine block.
- Meets U.S. Environmental Protection Agency's (EPA) emissions standards for off-road diesel engines.
- Parts commonality with other Deere machines.

The 4990 uses a John Deere PowerTech 6.8 L (414 cu. in.) 6-cylinder turbocharged engine.

- 172 horsepower to match tough rotary cutting conditions.
- Wet-sleeve cylinder liners extend service life.
- Service points are all on left side of engine for operator convenience.
- Air intake stack is located behind the cab, in cleaner air, for less maintenance to air cleaner.
- Meets U.S. Environmental Protection Agency's (EPA) emissions standards for off-road diesel engines.

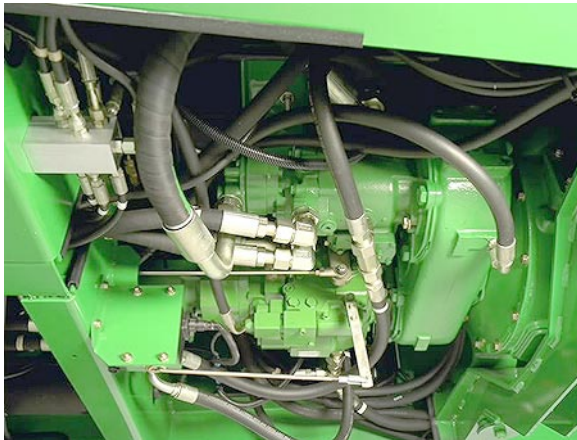
Both the 4890 and 4990 have 85 U.S. gallon fuel tanks that enable operators to extend the time between refueling.

- Keeps the machine in the field.
- Easily filled from the large approach landing to cab.

HYDROSTATIC DRIVE

4890 Hydrostatic Pump shown

The hydrostatic drive gives the operator precise control of ground travel speeds to match varying crop and field conditions.



The 4990's distribution gearbox drives the rotary platform pump and the wheel motor pumps. The pumps provide more flow to the wheel drive motors for more power and higher ground speeds in the field operating range. The distribution gearcase is mounted directly to the engine. The distribution gearcase has a separate oil cooler for cooling.

Hydrostatic pumps and wheel motor housings are made of heavy-duty cast iron for quiet and reliable operation. Dual-speed wheel motors are used to match the ground speed required:

- Field operation from 0 to 8 mph on the 4890.
- Field operation from 0 to 11 mph on the 4990.
- Transport speed from 0 to 15.5 mph for both the 4890 and 4990.

Servo controls are used on the hydrostatic pumps:

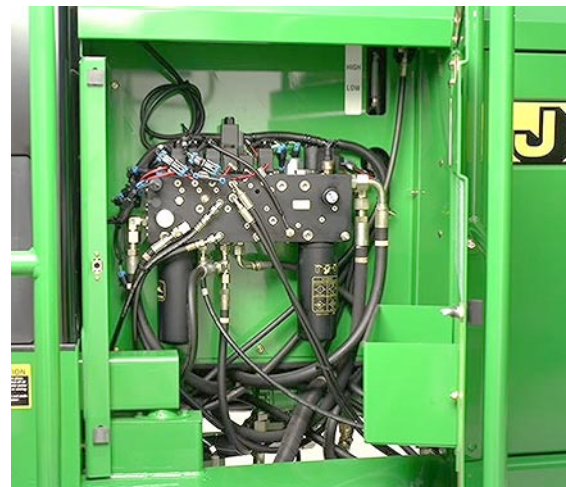
- Provide excellent control with reduced operator effort.
- Hydrostatic drive control lever will maintain position when operating in hilly terrain.
- Simplifies linkages for added reliability.
- Reduces noise and vibration in the cab.



25 U.S. gallon oil reservoir supplies oil to the pumps.

Oil is cooled as it passes through the combination oil cooler and air conditioner condenser assembly at the rear of the windrower.

- Provides increased reliability of the hydrostatic components.
- Air conditioner condenser and oil cooler assembly swing out for easy serviceability.
- Rotary wand air screen gives a clean flow of air to the radiator for positive cooling.

HYDRAULIC SERVICE CABINET

The hydraulic cabinet makes servicing the hydraulic functions very easy.

- “Spin-on” type oil filters are used on the charge and return side of the hydraulic system to ensure a clean hydraulic supply.
- Flat-faced O-ring seals are used on high-pressure hose connections for dependability.
- Hydraulic hoses, rather than steel lines, are used for reduced vibration noise and easier repair.
- Reservoir sight glass for a quick visual check of hydraulic oil.
- Storage compartment mounted to access door.

PLANETARY FINAL DRIVES



The 4890 and 4990 Windrowers use large, heavy-duty planetary final drives.

- For dependable operation in corrugates, borders, irrigation wheel tracks and rough field conditions.
- Easily handles increased loads on hillsides or in adverse field conditions.
- Planetary final drives can be easily disengaged for towing.

DRIVE TIRES



18.4 x 26 Button Tire

18.4 x 26 Bar Tire

Large rolling radius smooths out bumps and rough areas in the field for a more comfortable ride.

Standard equipment 18.4 x 26, 10PR (R3) button tread tires provide good flotation.

Optional tires 18.4 x 26, 10PR (R1) bar tread tires provide excellent traction.

REAR CASTER WHEEL TIRE OPTION



12.5Lx16 caster wheel tires are standard equipment.

Larger 14Lx16.1 caster wheel tires (shown) are available as an option to provide the operator with a more comfortable ride in rough field conditions.

OPERATOR'S STATION



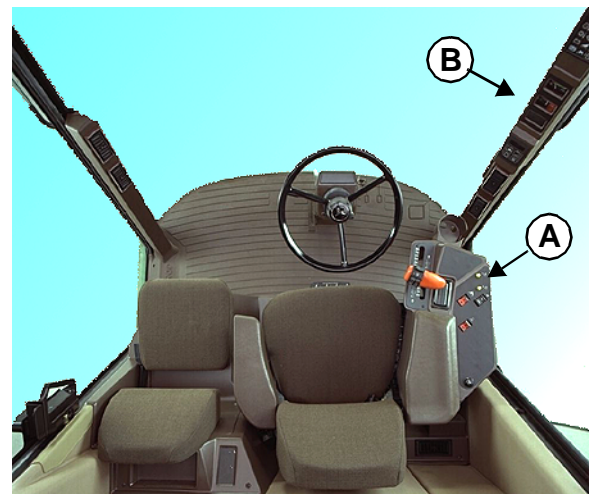
The deluxe cab gives the operator the optimum in comfort and convenience.

Quiet, climate-controlled environment reduces operator fatigue and increases productivity.

Standard features include:

- Air conditioner and heater.
- Single-blade windshield wiper for improved visibility when transporting windrower in rainy weather.
- Personal-Posture™ air suspension seat with seat belt.
- Training seat with seat belt.
- Tilt-telescoping steering column. Also includes:
 - Ignition switch
 - Horn
 - Turn signals
- Automatic engagement and disengagement of parking brake.
- Eight halogen running lights.
- Deere/ Delco AM/FM cassette with weatherband.

CONTROLS AND INSTRUMENTATION—OVERVIEW

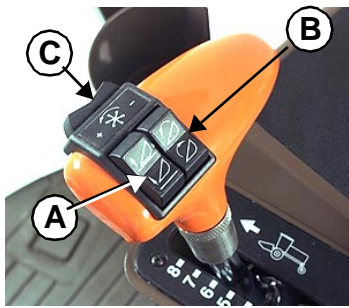


Operator controls are conveniently located next to the right hand armrest control panel (A).

The cornerpost instrument display panel (B) monitors important machine functions.

An auxiliary power outlet is provided to operate a two-way radio, cellular phone, or other electrical equipment.

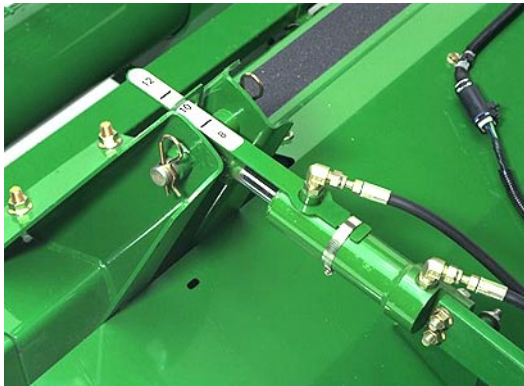
HYDROSTATIC DRIVE CONTROL LEVER



The hydrostatic drive control lever gives the operator fingertip control of the following functions:

- Forward / reverse ground speed.
- Automatically disengages parking brake when moved from park position with the engine running. Parking brake is automatically engaged when placed in park.
- Rocker switches control frequently used platform functions:
 - (A) Platform lift
 - (B) Platform cutting angle
 - (C) Rotary disk speed for the 990 Platform

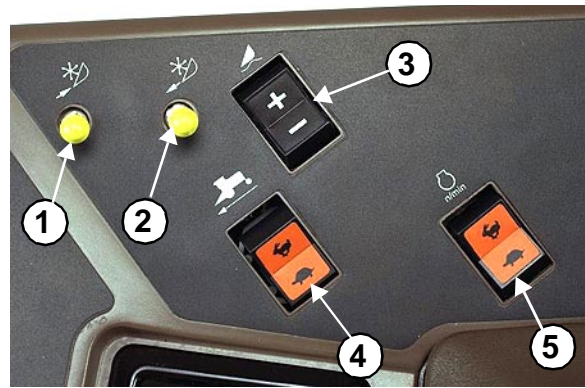
ADJUSTABLE PLATFORM ANGLE



Hydraulic cylinder that controls cutting angle is easily moved with the rocker switch on the hydrostatic lever.

- Indicator on cylinder gives the operator a visual reference of cutting angle between 2 and 8 degrees.

CONTROL PANEL



A control panel, located next to the right-hand armrest, groups together machine functions that are used less frequently. These functions are hydraulically or electrically controlled for ease of operation.

Functions are:

- 1) Platform drive.
- 2) Platform reverse for the 4890 and the 890.
- 3) Platform float adjustment (pressure can be displayed in 10 psi increments on cornerpost monitor).
- 4) Ground speed (Rabbit = transport, Turtle = field).
- 5) Engine speed (Rabbit = operating, Turtle = idle).

PLATFORM REVERSER FOR THE 4890 AND 890 PLATFORM

The standard platform reverser is easily activated from the operator's station to clear the platform of plugs that may occur.

If the platform were ever to become plugged, all the operator has to do is:

- **Stop,**
- **Disengage** the platform,
- **Raise** the platform completely to open the conditioner rolls, and
- **Engage** the platform reverser.

When engaged, the reverser slowly reverses the conditioning rolls, augers, and reel on the 890 Platform.

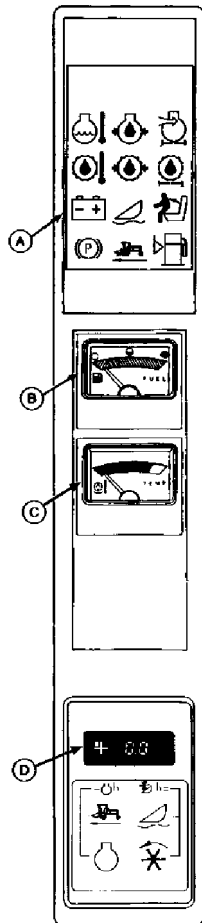
Makes a difficult job easier to enable the operator to be more productive.

- Operators will run the machine nearer to its capacity when it will only take moments to unplug, adding to their productivity.

HYDRAULIC FLOTATION

Platform flotation is controlled hydraulically.

- An accumulator maintains the pressure on cylinders located on both lift arms.
- An in-cab switch enables the operator to adjust float pressure, on-the-go, to meet changing crop or field conditions.
- A digital display can be activated to show the operator the accumulator float pressure in 10 psi increments.
- Float springs are eliminated.

CORNERPOST INSTRUMENT DISPLAY

ASM773

The right-hand front cornerpost displays messages and warnings of importance to the operator. These messages and warnings are located within the normal line of sight to make intermittent visual inspection convenient.

The cornerpost display is divided into four parts:

- A) Warning display panel.
- B) Fuel gauge.
- C) Engine temperature gauge.
- D) Digital display of selected machine information.

WARNING DISPLAY PANEL

The warning display panel provides three different levels of messages, depending on the response required.

Red Light and Audible Alarm — Immediately stop engine and correct the problem. The following monitored items would require this response:

- Engine temperature.
- Engine oil pressure.
- Hydraulic system charge pressure.
- Hydraulic system oil temperature.
- Alternator.
- Low float pressure.

Yellow Light — Service or correct the problem as soon as possible.

- Engine air filter.
- Hydraulic system oil filter bypass.
- Operator presence.
- Low fuel.

Blue Light — Operator should be aware of the condition.

- Transport range engaged.
- Parking brake engaged.

DUAL DIGITAL DISPLAY



The digital display gives the operator the ability to monitor three machine functions on the 4890 and four functions on the 4990:

- Ground speed - mph.
- Engine speed - rpm.
- Float pressure - psi (also used to set low float pressure warning).
- Rotary disk speed on the 990 (4990 only).

In addition, by pressing a combination of symbols, the operator can also check:

- Engine hours.
- Platform hours.

If desired, the operator can monitor two functions at a time (such as ground speed and engine speed).

OVERHEAD CONSOLE



Less frequently used controls are located in the overhead console within easy reach of the operator.

- Heater / air conditioning.
- Fan.
- Standard radio (Deere/Delco AM/FM cassette with weatherband).
- Single-blade windshield wiper (three-blade windshield wiper is optional).
- Lights (including dimmer for interior lights).

ELECTRONIC CABINET



The electronic cabinet, located at the rear right-hand corner of the operator's cab, is accessible from ground level.

- Convenient central location for circuit breakers, relays, and fuses.
- Sealed to minimize dust and moisture contamination.
- Components are identified in a decal for easy service.

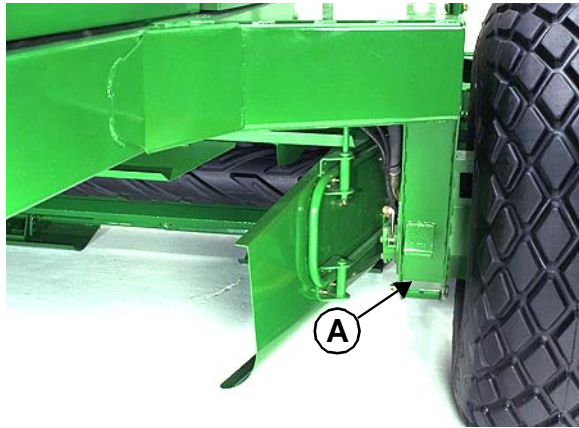
EXTERIOR LIGHTING



Halogen lighting is used to give the operator excellent visibility when operating at nighttime or low visibility conditions.

- Automotive type lamps use replaceable bulbs for easy service.
- Six headlights are mounted on the cab to illuminate the cutting area in front of the platform.
- Two rear-facing lights mounted in the windrower rear frame are included as standard equipment.
- An optional lighting package (four lights) is available to meet operator requests for additional lighting.
 - Two lights are mounted on the side frame of the windrower.
 - Used to illuminate the cut area behind the platform.
 - Activated with standard field lights.
 - Two lights are mounted on the windrower hood.
 - Provide additional lighting to the sides and rear of the windrower.
 - Activated only when field lighting switch is moved to the extreme right.

A 120 amp alternator assures that the two 550 cca low maintenance John Deere Hibernator batteries stay fully charged to provide plenty of starting power.

MAINFRAME

4890 Shown

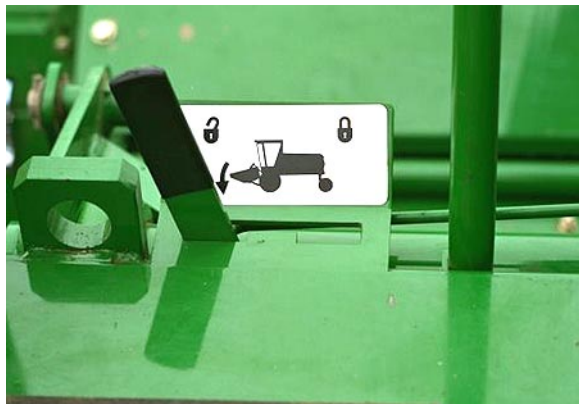
Mainframe is constructed of tapered, heavy channel with deep side rails to reduce stress concentrations and increase mainframe strength.

Heavy, welded steel box frame wheel drops (A) are used to reduce side loading. Wheel drops give a secure mounting for heavy-duty planetary final drives and wheel drive motors.

MECHANICAL PLATFORM LOCKOUT

Heavy, welded steel rockshaft uses a single hydraulic cylinder to lift the platform.

- Platform lifts evenly when raised.



A mechanical platform lock is used to securely hold the platform in the raised position when transporting or performing routine maintenance.

- Easily engaged and disengaged from the large cab landing area.
- Engage when the platform is fully raised.

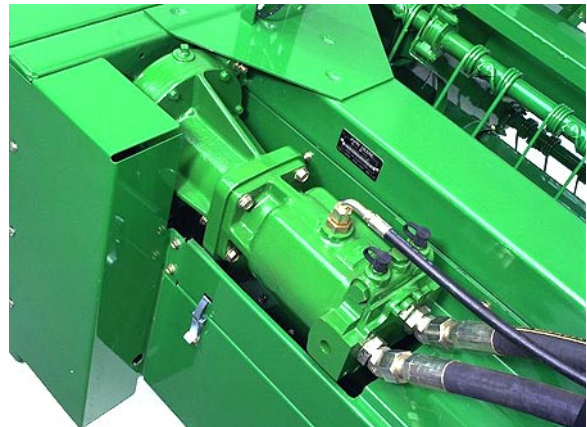
**ADJUSTABLE WINDROW-FORMING SHIELDS
4890 WINDROWER**

Right-hand and left-hand windrow-forming shields are easily adjusted from each side of the traction unit.

- Used with swathboard lever on platform to vary windrow formation.
- Independent adjustment of forming shields gives the operator more control of windrow formation.
- Simple, no-tool adjustment.

Windrow width capacity is 34- to 92-in. (864 to 2334 mm).

Note: Depending on crop conditions.

PLATFORM DRIVE MOTOR 4890 WINDROWER

Platform drive motor on the 4890 is rated at 62 horsepower.

- Ample power even for 18-ft. platform.
- Cast-iron housing for durability and quiet operation.
- Internal components are same as used in John Deere combine ground drive motors.

PLATFORM DRIVE MOTOR 4990 WINDROWER

Platform drive motor on the 4990 delivers 152 horsepower at 6000 psi.

- Plenty of horsepower for high-speed cutting even in the most difficult cutting conditions.
- Cast-iron housing for durability and quiet operation.

890 AUGER AND SPECIALTY PLATFORMS

The 890 Sickle Auger Platform is available in 14-, 16- and 18-ft. cutting widths. The 890 Specialty Crop Platform is available in 14- or 16-ft. widths.

Both types of platforms are for use with the 4890 Windrower traction unit. Beginning in November of 2000 a bundle will be available to adapt the 890 Sickle Auger and Specialty Crop Platforms to the 4990.

For more information, refer to the 890 Sickle Auger Platform section.

990 ROTARY PLATFORM

The 990 Rotary Head has a cutting width of 14-ft. 6-in. and is used only on the 4990 Self-Propelled Windrower.

Large hay producers and custom operators will be impressed with the high-speed cutting capacity the 990 Rotary Platform delivers. The 990 offers many of the same field-proven features as the John Deere side-pull and center-pivot rotary mower-conditioners.

For more information, refer to the 990 Rotary Platform section.

HONEY BEE DRAPER PLATFORM (4890 ONLY)

To meet customer demands for a draper grain header, the Honey Bee line of grain belt swathers can be adapted to the John Deere 4890 Self-Propelled Windrower.

Honey Bee Manufacturing Ltd. has a complete line of draper headers, including 18-, 21-, 25-, 30-, and 36-ft. sizes. A double swath option is available for the 25-, 30-, and 36-ft. platforms.

All platforms feature:

- Single, hydraulically driven Schumacher epicyclic knife drive (1000 - 1100 spm).
- Bolted knife sections.
- Adjustable draper speed control mounted on the header (0-422 fpm).
- 42-in. wide draper belt constructed of rubberized polyester with fiberglass-reinforced slats and tie bar connectors.
- Hydraulically driven reel.
- Reel speed adjustable from the cab.
- Lateral and vertical leaf spring float system header flotation.
- Manually adjustable cutting angle.

Options are available to match the header to each individual customer:

- Three reel choices.
 - 54-in. diameter bat reel.
 - 42-in. diameter Universal pickup reel with steel or plastic reel teeth.
 - 44-in. diameter Hart Carter pickup reel with plastic teeth.
- Transport axle.
- Casting gauge wheels with compression spring carriers (not available for 18- and 21-ft. platforms).
- Electrically adjustable canvas speed.
- Crop lifters for cereal and/or specialty crops.

The initial setup time to install a Honey Bee draper header on a John Deere 4890 Windrower is approximately 2-1/2 to 3 hours.

Installing the 890 Auger Platform after the Honey Bee header that has been on the windrower will require approximately 30 minutes of preparation time.

Warranty Information:

Warranty for the draper header is administered through Honey Bee Manufacturing Ltd. The warranty period is one year (12 months) following the date of delivery to the original purchaser. Complete warranty information for the draper headers is available from Honey Bee.

Using a Honey Bee draper header on a John Deere 4890 Windrower is authorized and will not affect the warranty of the 4890 Windrower.

Ordering Information:

Headers should be ordered directly from Honey Bee Manufacturing Ltd.

Pricing information will be sent directly from Honey Bee upon request.

For additional information or to order, please contact:

Note: For additional information on different crop application, please contact Honey Bee directly.

Honey Bee Manufacturing Ltd.

P. O. Box 120

Frontier, Saskatchewan

Canada S0N 0W0

Phone: (306)-296-2297

Fax: (306)-296-2165

Email: honeybee@sk.sympatico.ca

PowerGard PROGRAM

Note: Refer to PowerGard web site on Pathways dealer home page (under Sales/Marketing Tools) for online information.

PowerGard Protection Plan provides extended warranty coverage beyond the Deere Basic Warranty terms for varying lengths of coverage on new John Deere self-propelled windrowers. Details of the plan are available in the PowerGard Protection Plan Administration Manual (DSEW044), which can be ordered through the John Deere Parts System. It is administrated and supported through the PowerGard Service Processing Center in Moline at 1-888-256-3337 (option #4).

EQUIPMENT FOR BASE MACHINE

	<u>4890</u>	<u>4990</u>
John Deere 4.5 L (276 cu. in.) turbocharged, 100 hp (75 kW) 4-cyl. PowerTech® engine (emissions certified)	X	---
John Deere 6.8 L (276 cu. in.) turbocharged, 172 hp (128 kW) 6-cyl. PowerTech® engine (emissions certified)	---	X
Hydrostatic ground drive with heavy-duty double reduction planetary final drives	X	X
Variable ground drive:		
Transport: 0 to 15.5 mph (0 to 24.9 km/h)	X	X
Field: 0 to 8 mph (0 to 9.3 km/h)	X	---
Field: 0 to 11 mph (0 to 12.8 km/h)	---	X
Drive tires: 18.4x26, 10 PR button tires	X	X
Rear tires: 12.5Lx16, 8 PR rib tires	X	X
Adjustable rear axle	X	X
Tapered mainframe	X	X
Two exterior rear view mirrors	X	X
Rockshaft platform lift	X	X
Hydraulic platform float (adjustable from the cab)	X	X
Platform reverser	X	X
Cab Features:		
Large approach landing to cab	X	X
Tilt/telescoping steering wheel	X	X
Automatic parking brake	X	X
Personal-Posture™ Air Suspension Seat with four-way adjustable suspension and seat belt	X	X
Training seat with seat belt	X	X
Right-hand cornerpost display with warning display panel monitors twelve items	X	X
Dual digital display of:		
Engine rpm		
Ground speed in mph		
Platform float pressure		
Platform hours		
Traction unit hours	X	X
Fuel gauge	X	X
Engine temperature gauge	X	X
Master Control lever:		
Ground speed forward/reverse		
Platform raise/lower		
Platform tilt	X	X
Header speed (990)	---	X
Deere/Delco AM/FM stereo cassette radio with weatherband	X	X
Single-blade windshield wiper	X	X
Exterior lighting:		
Six cab-mounted headlamps		
Two rear floodlamps		
Turn signals		
Flashing warning lights	X	X
Hydraulic service cabinet for hydraulic valves and filters	X	X
Electric control service cabinet access to fuses and relays	X	X
Parts storage box	X	X
Heavy-duty hydraulic drive motor for platform	X	X
Rotary wand air screen	X	X
12-volt electrical system with 120 amp alternator	X	X
Two 550 amp low-maintenance StrongBox™/Hibernator™ batteries	X	X
Anti-freeze	X	X
Hydraulic oil	X	X
Adjustable windrow-forming shields	X	---
Less platform	X	X
Rear weights for 14- and 16-ft. 890 Platforms and 990 Platform	X	---

BASE MACHINE AND OPTIONAL EQUIPMENT CODES

Code	Description
BASE MACHINE	
1614E	4890 Turbo-Diesel Self-Propelled Windrower Traction Unit
1312E	4990 Turbo-Diesel Self-Propelled Windrower Traction Unit
DRIVE WHEELS WITH TIRES	
1000	18.4 x 26 (R3), 10 PR Button Tread Tires
1020	18.4 x 26 (R1), 10 PR Bar Tread Tires
REAR CASTER WHEELS WITH TIRES	
2000	12.5L x 16, 8 PR Rib Tires
2010	14L x 16.1, 8 PR Rib Tires

ATTACHMENTS

ADDITIONAL LIGHTING KIT



Four additional working lights are available as a field installed attachment. Includes:

- Two lights to mount on the hood at the rear of the cab.
- Two lights to mount on the frame rails.

Lights are adjustable to illuminate the area to the sides and rear of the platform. The lights mounted on the frame rails can be operated separately from the lights at the rear of the cab.

Code	Bundle	Description
9005	BE23867	Additional lighting kit

ATTACHMENTS FOR FIELD CONVERSION

LARGE CASTER WHEEL



14Lx16.1 ribbed tires, including larger tire rims and caster forks. This larger tire option provides the operator with a more comfortable ride in rough field conditions.

Bundle	Description
BE24171	Large tire conversion for 4890 and 4990

LARGE WINDSHIELD WIPER

A large three-blade windshield wiper is available as an attachment from Harvester Works.

Bundle	Description
BH71948	Large windshield wiper (3 blades) and motor

TOOLBOX

A toolbox can be added to the frame of the traction unit for additional storage.

Bundle	Description
AT22070	Toolbox (Parts)

Note: To mount toolbox on outside of frame rail, also order from PARTS the following:

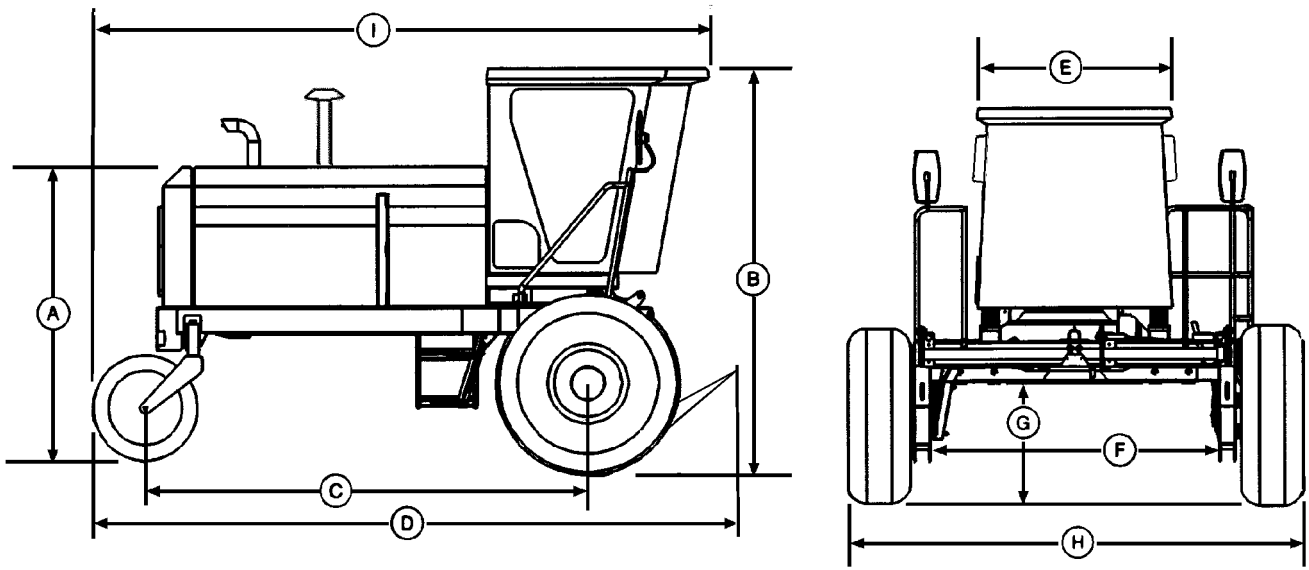
- 1-T23033 Mounting Bracket
- 2-14H1039 Nut
- 4-24H1376 Washers
- 2-19H1833 Cap Screw

SPECIFICATIONS

	<u>4890</u>	<u>4990</u>
Engine:		
Make	John Deere	John Deere
Model	4045T Diesel	6068T Diesel
No. of cylinders	4	6
Power at 2300 rpm	100 hp (74.6 kw)	172 hp (128 kw)
Aspiration	Turbocharged	Turbocharged
Bore	4.19-in. (106 mm)	4.19-in. (106 mm)
Stroke	5.00-in. (127 mm)	5.00-in. (127 mm)
Compression ratio	17.0:1	17.0:1
Lubrication	Full pressurized system with full flow micronic oil filter	Full pressurized system with full flow micronic oil filter
Engine displacement	276 cu. in. (4.5 L)	414 cu. in. (6.8 L)
Engine speeds:		
Slow idle	900 rpm	900 rpm
Fast idle (no load)	2700 rpm	2500 rpm
Oil crankcase capacity (with filter)	14 U.S. qt. (13.3 L)	21 U.S. qt. (20.0 L)
Cooling system	27.5 U.S. qt. (26 L)	34.3 U.S. qt. (32.4 L)
Bearings:		
Main	4	4
Thrust	1	1
Electrical system	Two 12-volt batteries with 120 amp alternator	Two 12-volt batteries with 120 amp alternator
Propelling drive	Hydrostatic	Hydrostatic
Hydrostatic pump displacement	0 to 2.48 cu. in. (40.6 cm ³) 25.5 gpm (96 L/m) at 2500 rpm	0 to 2.36 cu. in. (38.6 cm ³) 28.3 gpm (106.5 L/m) at 2300 rpm
<i>Note: Based on high idle of 2500 rpm and 100 percent efficiency.</i>		
Charge and platform lift pump:		
Type	Gear	Gear
Displacement	1.69 cu. in. (27.7 cm ³), 17.3 gpm (65 L/m) at 2500 rpm	1.77 cu. in. (29.0 cm ³), 21.2 gpm (79.7 L/m) at 2300 rpm
Motor displacement:		
Field	2.48 cu. in. (40.6 cm ³) per revolution	2.10 cu. in. (40.6 cm ³) per revolution
Transport	1.37 cu. in. (22.4 cm ³) per revolution	1.53 cu. in. (25.0 cm ³) per revolution
Hydraulic platform drive:		
Pump displacement	0 to 2.48 cu. in. (40.6 cm ³) 28.5 gpm (102 L/m) at 2800 rpm	0 to 4.6 cu. in. (75.4 cm ³) 52.3 gpm (187.2 L/m) at 2300 rpm
Motor displacement	4.6 cu. in. (75.4 cm ³) per revolution	4.6 cu. in. (75.4 cm ³) per revolution
Output	62 hp	152 hp (at 6000 psi)
Final drives:		
Type	Planetary	Planetary
Ratio	39.96:1	39.96:1
Brakes	Parking brakes automatically engage and disengage	Parking brakes automatically engage and disengage
Hydraulic system capacity	25 U.S. gal. (94.5 L)	25 U.S. gal. (94.5 L)
Fuel tank capacity	85 U.S. gal. (322 L)	85 U.S. gal. (322 L)
Tire size:		
Drive wheels (standard)	18.4 x 26 (R3), 10PR button	18.4 x 26 (R3), 10PR button
Drive wheel (optional)	18.4 x 26 (R1), 10PR bar	18.4 x 26 (R1), 10PR bar
Caster wheels (standard)	12.5L - 16, 8PR rib	12.5L - 16, 8PR rib
Caster wheels (optional)	14L - 16.1, 8PR rib	14L - 16.1, 8PR rib
Speeds:		
Transport	15.5 mph (24.9 km/h)	15.5 mph (24.9 km/h)
Field	8 mph (12.8 km/h)	11 mph (17.6 km/h)
Dimensions (with standard 18.4 x 26 tires):		
Overall length	205-in. (5207 mm)	205-in. (5207 mm)
Overall height	123-in. (3120 mm)	123-in. (3120 mm)
Ground clearance	35-in. (879 mm)	35-in. (879 mm)
Wheel base	139-in. (3530 mm)	139-in. (3530 mm)
Tread width	146-in. (3715 mm)	146-in. (3715 mm)
Turning radius	Variable to 0-ft.	Variable to 0-ft.
Weight without platform	9221 lb. (4186 kg)	10,200 lb. (4626 kg)

	<u>4890</u>	<u>4990</u>
Cab:		
Construction	Uni-body, welded	Uni-body, welded
Glass (tinted)	51.5 sq. ft. (4.8 m ²)	51.5 sq. ft. (4.8 m ²)
Seat	Air suspension, cloth personal posture seat	Air suspension, cloth personal posture seat
Steering column	Multiple-position, tilt and telescoping	Multiple-position, tilt and telescoping
Right-hand cornerpost monitor for 20 functions	Engine temperature, engine oil pressure, hydraulic system charge pressure, hydraulic system oil temperature, hydraulic system oil filter bypass, alternator, low float pressure, engine air filter, operator presence, low fuel, road shift engaged, parking brake engaged, ground speed, engine speed, float pressure, engine hours and platform hours, fuel gauge and temperature gauge	Engine temperature, engine oil pressure, hydraulic system charge pressure, hydraulic system oil filter bypass, alternator, low float pressure, engine air filter, operator presence, low fuel, road shift engaged, parking brake engaged, ground speed, engine speed, header speed, float pressure, engine hours and platform hours, fuel gauge and temperature gauge
Air conditioner	Standard	Standard
Capacity	221,000 BTU/hr. (61 kw) at 450 cu. ft. (12.6 m ³) per minute	221,000 BTU/hr. (61 kw) at 450 cu. ft. (12.6 m ³) per minute
Refrigerant	134a	134a
Capacity	4.5 lb. (11 Kg)	4.5 lb. (9.9 Kg)
Filters	Dry-type reusable	Dry-type reusable
Compressor	Nippondenso (rotary)	Nippondenso (rotary)
Overload protection	Low-pressure (cutoff) High-pressure (cutoff)	Low-pressure (cutoff) High-pressure (cutoff)
Heater:		
Capacity	34,100 BTU/hr. (10 kW) at a 180° F (83° C) temperature differential	34,100 BTU/hr. (10 kW) at a 180° F (83° C) temperature differential

DIMENSIONS



(Dimensions are for machine equipped with 18.4 x 26-in. tires)

- A) 92-in. (2340 mm)
- B) 123-in. (3120 mm)
- C) 139-in. (3530 mm)
- D) 205-in. (5207 mm)
- E) 63-in. (1590 mm)
- F) 92-in. (2335 mm)
- G) 35-in. (879 mm)
- H) 146-in. (3715 mm)
- I) 194-in. (4915 mm)

*Note: Maximum rear axle width is 136-in. (3456 mm).
Minimum rear axle width is 82-in. (2091 mm).*