



**JOHN DEERE**


15 - 21.5 CUBIC YARDS

**S**

**SCRAPER SYSTEMS**







# Maximum productivity doesn't have to mean barely scraping by.

Looking to boost productivity without breaking the bank? Consider a John Deere Scraper Special Tractor and ejector or carry-all scraper. The only fully integrated tractor-scraper system on the market does as much or more work as a self-propelled scraper or truck and excavator, but at one-third the initial investment. Costs less to

operate, too, requiring only one operator, no additional support equipment, and less fuel. Factor in its rock-solid dependability, unmatched uptime, and low daily operating costs, and a John Deere tractor-scraper system makes good sense. Or perhaps we should say dollars and cents.





John Deere scraper systems are backed by a 2-year/2,000-hour warranty for the tractor and 6 months for the scrapers. Extended coverage is also available for both.

Unlike dedicated self-propelled units, you won't need an expensive push dozer to help load. Without the additional operators and support equipment, you'll save 30–50 cents per cubic yard.

Delivering up to 530 hp plus a 10-percent power bulge, Tier 3-certified 13.5-L Deere PowerTech Plus™ diesels provide plenty of material-moving muscle and torque.

Choose from cut widths up to 14½ feet and bulk-hauling capacities to 21½ heaped cubic yards. Hook up as many as three brake-equipped scrapers and give productivity a major boost. See your dealer for details.

Available AutoLoad™ system automates the scraper's hydraulic-lift functions for maximum productivity pass after pass. This John Deere exclusive reduces fatigue and helps unfamiliar operators become proficient more quickly, too.

Unhitch the scraper and these tractors can do double duty — pulling disks and rippers, and handling other site-prep tasks. Dedicated scrapers can't do that.

# Easy come, easy load.

Hard work comes easy when you're working in the quiet, spacious, climate-controlled CommandView™ cab of a John Deere Scraper Special Tractor. Its wide expanse of tinted glass provides unsurpassed all-around visibility. Intuitive CommandARM™ fingertip

controls are simple to learn and easy to operate. And large, easy-to-read digital gauges provide vital operating info at a glance. You'll move more material, more efficiently, with less fatigue. Truly nothing runs like a Deere.



**1.** Adjustable CommandARM console provides fingertip control of hydraulics, throttle, gear selection, scrapers, and more. CommandCenter™ gives a wealth of vital performance info and service alerts. TouchSet™ controls allow the operator to tailor tractor response to terrain conditions on-the-go.

**2.** Illuminated corner-post display shows gear selection, diff-lock engagement, engine rpm, and ground speeds. Monitors fuel level, oil pressure, and coolant temperature. Issues audible and visual warnings and stop-engine alerts.

**3.** More than 60 square feet of tinted glass provides a panoramic forward view and virtually unobstructed all-round visibility.

**4.** The view to the rear is just as clear. Swivel seat and wide expanse of tinted glass provide a comfortable and commanding view of the action behind you.

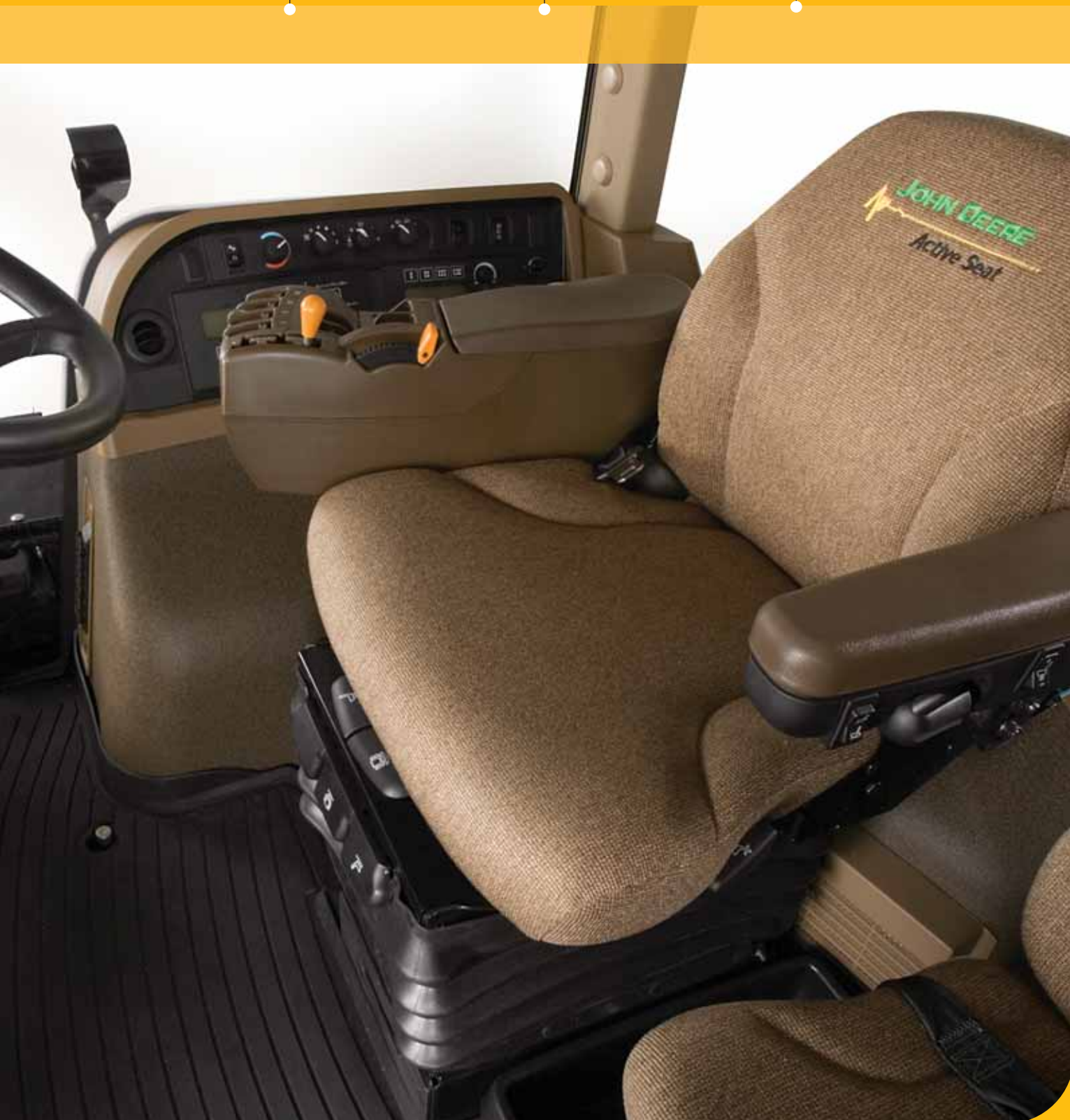


Exclusive ActiveSeat™ isolates an operator from 90 percent of vertical seat movement, for the smoothest ride on any scraper tractor. Both seat and CommandARM module swivel 15 degrees left, 20 degrees right, for an enhanced view of the surrounding jobsite.


Implement Management System (IMS) operates up to 12 functions simultaneously with push-button ease. Just two buttons initiate up to 24 learned sequences for scraper operation.

With AutoLoad, TouchSet hydraulic control lets an operator easily customize transport height and dump height. Once set, the scrapers return to their preset position at the touch of a control.

Eighteen-speed PowerShift™ transmission delivers smooth, uninterrupted shifting performance — and transport speeds up to 25 mph.







# Move more material, more efficiently, with AutoLoad.

A John Deere innovation, AutoLoad automates the scraper's hydraulic-lift functions, making it push-button easy for even first-time operators to load like a pro. Once engaged, the system automatically

varies blade height to maintain consistent loads, cut profiles, and maximum productivity. This one-of-a-kind option can be factory- or field-installed on John Deere 30-Series Tractors and ejector or carry-all scrapers.





Automating key functions minimizes operator fatigue, error, and wear and tear on the tractor. No special training required, so operators become proficient quickly.

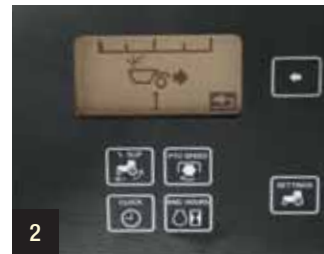
Consistency is the name of the game with AutoLoad. Whether it's set-up to leave a desired cut profile or to load over a specified distance, you'll get full loads all day long.

Components include a drawbar-mounted draft sensor, dual-beam radar, scraper-mounted position sensors, in-cab controls, and a controller that analyzes inputs from all sensors.

Position sensors enable the operator to set-and-forget each scraper's upper and lower limits. For consistent lifts at the fill site and quick work cycles.



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**1.** Fingertip-activated Selective Control Valve switches engage and disengage AutoLoad, and can be overridden at any time and operated manually.

**2.** Convenient CommandCenter pushbuttons let the operator easily set scraper load sensitivity entering the cut and make on-the-go adjustments for optimal performance in a variety of soil conditions.

**3.** Seeing is believing. AutoLoad varies blade height to maintain operator-determined draft settings for smooth cuts that only highly experienced operators can duplicate.

Deere purpose-built Scraper Special Tractors are well-equipped to handle the daily rigors of pulling scrapers. In fact, they're so tough they're backed by a 2-year/2,000-hour warranty.

John Deere PowerTech Plus 13.5-L diesel delivers an impressive torque rise to 38 percent and a 10-percent power bulge for impressive pulling power and excellent fuel efficiency.

Eighteen-speed automatic PowerShift improves fuel economy and optimizes performance. Automatic shifts also reduce operator fatigue and boost pulling efficiency during transport.

Hydraulically actuated wet-disc brakes deliver sure-footed stopping power and dependable performance.

Inboard planetary final drives distribute axle loads evenly, reducing stress on individual gears and shafts. Provide longer life and less maintenance than outboard designs.

Axle lubrication system employs pressurized cooled and filtered oil for increased component reliability and life.

Massive three-section frame provides superior strength and durability. Modular design allows drivetrain components to be removed individually if necessary, greatly reducing downtime.

Fifteen-degree center oscillation smooths travel over rough terrain.

Tapered roller bearings and large hinge pins and thrust washers in the articulation area provide unsurpassed durability.

Numerous tire and ballast options let you fine-tune weight and balance. Equipped with 76x50-32 tires, overall width is less than 12 feet, for simplified transport.



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1. Reinforced front and rear frames and heavy-duty axles deliver long-term durability.



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2. Heavy-duty quick-attach hitch makes hookup fast and easy.



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3. Optional high-flow hydraulics with 3/4-inch couplers provide up to 75-gpm flow. Increases hydraulic response when operating multiple scrapers.



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4. Unique Vari-Cool™ system employs a large grille, multiple louvers, and variable-speed fan for generous airflow through the heavy-duty coolers. The patented fan operates at the slowest speed necessary, for maximum cooling, horsepower, and fuel efficiency.







# Give your earthmoving operations more pull.

You get efficient, dependable, and cost-effective pulling power with John Deere Scraper Special Tractors. And when the scraper work is done, these highly versatile workhorses aren't. Unlike

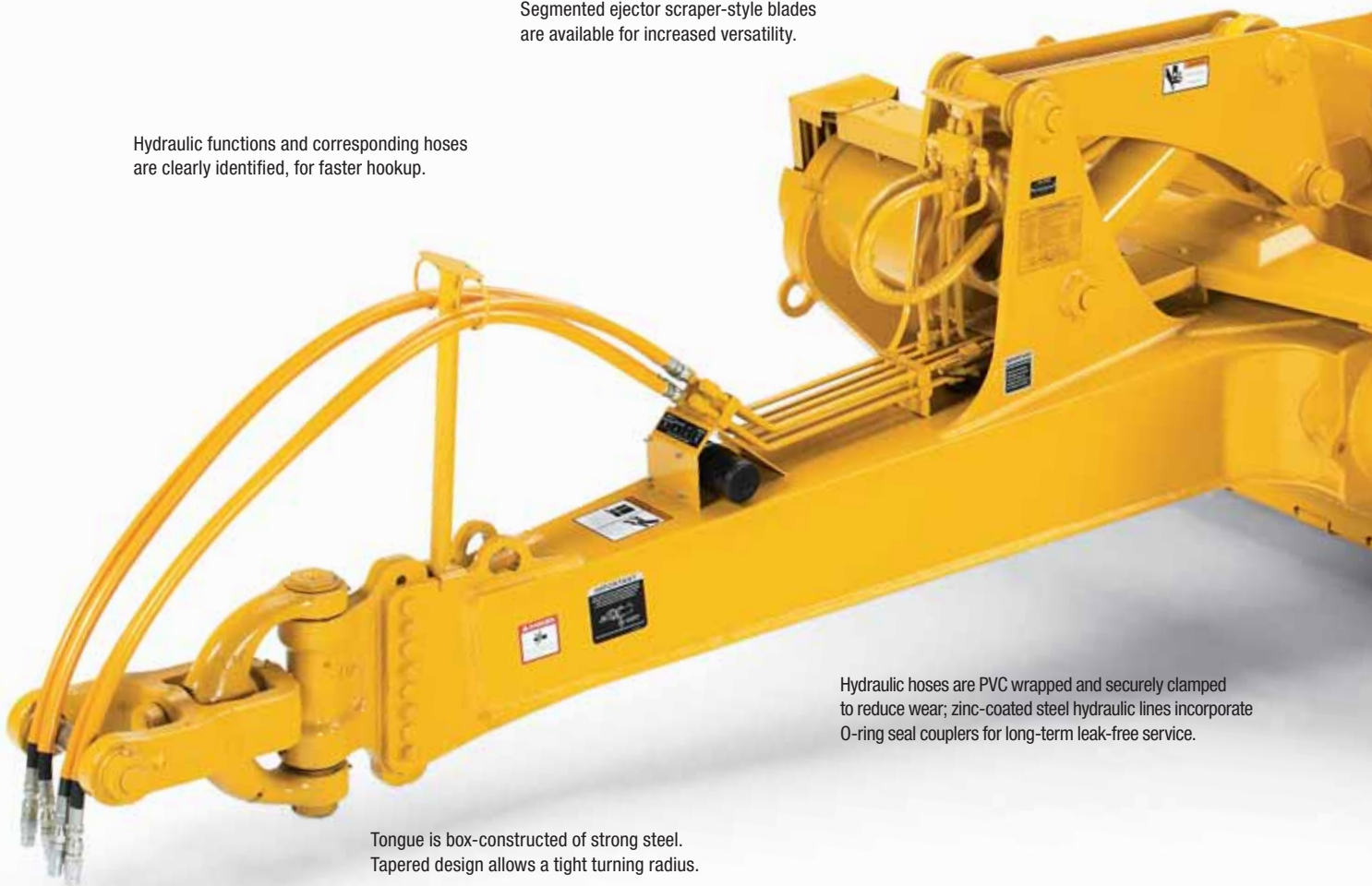
dedicated scrapers, they're equally adept at pulling a disk, roller, ripper, water wagon, or other drawbar tasks. If you make your living moving dirt, you won't find a better investment.



# Efficient earthmoving at an economical price.

Economical 3-piece blades are standard. Segmented ejector scraper-style blades are available for increased versatility.

Hydraulic functions and corresponding hoses are clearly identified, for faster hookup.



Hydraulic hoses are PVC wrapped and securely clamped to reduce wear; zinc-coated steel hydraulic lines incorporate O-ring seal couplers for long-term leak-free service.

Tongue is box-constructed of strong steel. Tapered design allows a tight turning radius.

Need more stopping power? Equip your 18- or 21-cubic-yard scrapers with optional heavy-duty disc brakes. For shorter stops, loaded or empty.





**1.** Large, heavy-duty pins with bushings and grease zerks ensure maximum strength and service life.



**2.** With steel top shields and large payload capacities, these scrapers can also be top-loaded to help keep material moving in bad conditions.



**3.** With a wide 55-inch throat opening, the fast-dump bucket rotates a full 70 degrees for cleaner unloading and less material carry-back.



**4.** Large 6-inch-diameter gate cylinder provides rugged durability and plenty of material-clamping force.

Rear overflow guard's steep angle retains more material, helping prevent spillover behind the bucket. Front guard protects the gate cylinder, hydraulic lines, and hoses.

Rear quick-attach hitch option lets you quickly connect or disconnect tandems without tools.

Wide wheel clearance improves performance in muddy conditions, while extending tire life.



High-clearance cross tube provides best-in-class blade visibility and unsurpassed strength.

Generous ground clearance and low ground pressure keep you moving, even in less-than-ideal conditions.

Frame and bucket cylinders attach directly to the frame rails. High mounting position optimizes bucket-lifting ability and cylinder protection.

Construction-grade, heat-treated, cast-iron router bits last 25-percent longer than steel routers. Two sets of mounting holes double their wear life.

Carry-all scrapers deliver low ground pressure at a lower initial investment. Choose them for agricultural land leveling, terracing, digging ponds, building levees, and general site prep. Best sand-loading scraper you can run.

Available laser/GPS bracket positions the receiver directly over the center of the cutting edge for maximum precision.



Fixed-blade ejector scrapers work well for precision land leveling, removing overburden, building roads, and other earthmoving jobs in topsoil, clay, and gumbo.

Frame blade support utilizes internal gussets for superior durability. Tapered floor design delivers greater strength at the cutting edge and extra ground clearance at the rear.

Heavy-duty, zinc-coated hydraulic pins are up to two times larger in diameter than those found on other scrapers for long-term durability.

# Fast blade response, precise grade work.

Ejector scrapers empty cleanly and are ideal for spreading controlled, consistent lifts for precise grade work.

Hydraulic functions and corresponding hoses are clearly identified, for faster hookup.



With their exclusive blade system, these are the best-loading ejector scrapers you can run.

Lowest tongue-weight ratio in the industry reduces the load on the tractor's rear axle.

Tongue is box-constructed of strong steel. Tapered design allows a tight turning radius.



**1.** Staggered wheel pattern is self-cleaning and increases floatation for high-speed finishing and easier pulling in muddy conditions. Provides more stability, too.

**2.** Wide 55-inch throat opening allows quick and easy loading and dumping, and lets you handle a wide range of materials.

**3.** Need more stopping power? Equip your 18- or 21-cubic-yard scrapers with optional heavy-duty disc brakes. For shorter stops, loaded or empty.

**4.** Sealed and tapered ejector bearings, and single 4½-inch cylinder give smooth, jam-free, long-term performance.

**5.** Ejector wall rollers are positioned where they're protected and are adjustable to maintain ejector, sidewall, and floor clearances.

Low-profile design provides a low center of gravity and good visibility to the rear scraper.

Available push block enables damage-free push loading and assists.



Two rows of bolts and six-inch spacing let you mix and match standard and long blades in a variety of configurations to fit almost any application or material condition.

Construction-grade, heat-treated, cast-iron router bits last 25-percent longer than steel routers. Two sets of mounting holes double their wear life.

Large heavy-duty cylinders ensure uptime and fast cycles.



Hood raises up and away, providing wide-open access to radiator and charge-air transmission, hydraulic, and A/C condenser coolers for easy clean-out.

Cab air filter can be accessed from ground level and is easily removed for quick cleaning or replacement.

Large 350-gallon fuel capacity lets you work longer between fill-ups. Wide filler neck speeds refueling.

Low daily operating costs are a reality with John Deere tractor scrapers. They move more material per cycle on nearly  $\frac{1}{3}$ -less fuel than self-propelled scrapers.

All daily servicing can be accomplished without raising the hood. Conveniently located service and lubrication reference helps ensure that nothing gets overlooked.



# The bucks stop here.

Compared to self-propelled scrapers, tractor scrapers burn less fuel and are easier to maintain. Ground-level service points help daily checks and additions go more quickly. Other

common-sense features such as quick-change filters, simple-to-read sight gauges, and easy-access grease zerks help increase uptime and lower daily operating costs.



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1. Vertical filters allow quick, no-spill changes. Service interval is 250 hours for the engine, and 1,500 hours for hydraulics and transmission.

2. Even periodic maintenance items such as engine air filters are readily accessible. If uptime's the name of your game, John Deere should be the name on your equipment.

3. Sight gauges and see-through reservoirs let you check fuel, coolant, hydraulic, and transmission fluid levels at a glance.

4. Bucket, gate, and scraper mainframe can be locked in the raised position for extra convenience and safety. No tools required.

5. Because no maintenance beats low maintenance, the serpentine engine belt never needs adjusting.

6. If something goes wrong, the monitor displays easy-to-understand alerts and diagnostic codes to help get you back up and running quickly.



# Specifications

Engine	9430 Scraper Special	9530 Scraper Special	9630 Scraper Special
Manufacturer and Model . . . . .	John Deere PowerTech Plus™	John Deere PowerTech Plus	John Deere PowerTech Plus
Non-Road Emission Standards . . . . .	certified to EPA Tier 3 emissions	certified to EPA Tier 3 emissions	certified to EPA Tier 3 emissions
Net Peak Power (ISO9249) . . . . .	425 hp (317 kW) @ 2,100 rpm	475 hp (354 kW) @ 2,100 rpm	530 hp (395 kW) @ 2,100 rpm
Net Peak Torque (ISO9249) . . . . .	1,497 lb.-ft. (2029 Nm) @ 1,600 rpm	1,671 lb.-ft. (2264 Nm) @ 1,600 rpm	1,848 lb.-ft. (2504 Nm) @ 1,600 rpm
Maximum Torque Rise (80% rated speed) . . . . .	34% @ 1,700 rpm / 38% @ 1,800 rpm	34% @ 1,700 rpm / 38% @ 1,800 rpm	34% @ 1,700 rpm / 38% @ 1,800 rpm
Aspiration. . . . .	turbocharged and air-to-air aftercooled	turbocharged and air-to-air aftercooled	turbocharged and air-to-air aftercooled
Cylinders / Displacement . . . . .	6 / 824 cu. in. (13.5 L)	6 / 824 cu. in. (13.5 L)	6 / 824 cu. in. (13.5 L)
Cylinder Liners. . . . .	wet sleeve	wet sleeve	wet sleeve
<b>Approximate Shipping Weight</b>			
Weight (no ballast) . . . . .	35,530 lb. (16 116 kg)	36,070 lb. (16 361 kg)	37,290 lb. (16 914 kg)
Ballasted Weight . . . . .	can range from 44,000–46,000 lb. (19 958–20 865 kg)	can range from 44,600–46,600 lb. (20 230–21 137 kg)	can range from 45,800–50,000 lb. (20 775–22 680 kg)
<b>Warranty</b>			
	<b>9430 / 9530 / 9630</b>		
Standard Full Machine . . . . .	2 years / 2,000 hours		
Extended Powertrain . . . . .	up to 5 years / 5,000 hours		
<b>Transmission</b>			
On-the-go shifting; wet clutch			
Standard (forward/reverse). . . . .	PowerShift™ (18 forward, 6 reverse)		
<b>Hydraulic System</b>			
Type. . . . .	pressure and flow compensating		
Pump Rated Output			
Standard Hydraulics . . . . .	48 gpm (186 L/min.)		
Optional High-Flow Hydraulics. . . . .	75 gpm (284 L/min.)		
Rated Flow at One SCV			
Standard Hydraulics . . . . .	30 gpm (114 L/min.)		
Optional High-Flow Hydraulics. . . . .	43 gpm (163 L/min.)		
Maximum Operating Pressure . . . . .	2,900 psi (20 000 kPa)		
Maximum Hydraulic Power. . . . .	58.3 hp (43.5 kW)		
Remote Control Valves Available . . . . .	4 standard		
<b>Operator Station</b>			
Rollover Protective Structure (ROPS)			
Cab			
Doors. . . . .	left hand (1)		
dB(A) Rating (factory observed) . . . . .	75		
Seat-Suspension System. . . . .	air (standard), active (optional)		
<b>Final Drive / Axle / Brakes</b>		<b>9430</b>	<b>9530 / 9630</b>
Final Drive Type. . . . .	inboard planetary	double-reduction inboard planetary	
Differential Controls . . . . .	electrohydraulic	electrohydraulic	
Differential Lock. . . . .	front and rear	front and rear	
Axle Type. . . . .	4.3 x 120-in. (110 x 3045 mm) bar	4.7 x 120-in. (120 x 3045 mm) bar	
Brakes (type and control) . . . . .	wet-disc power	wet-disc power	

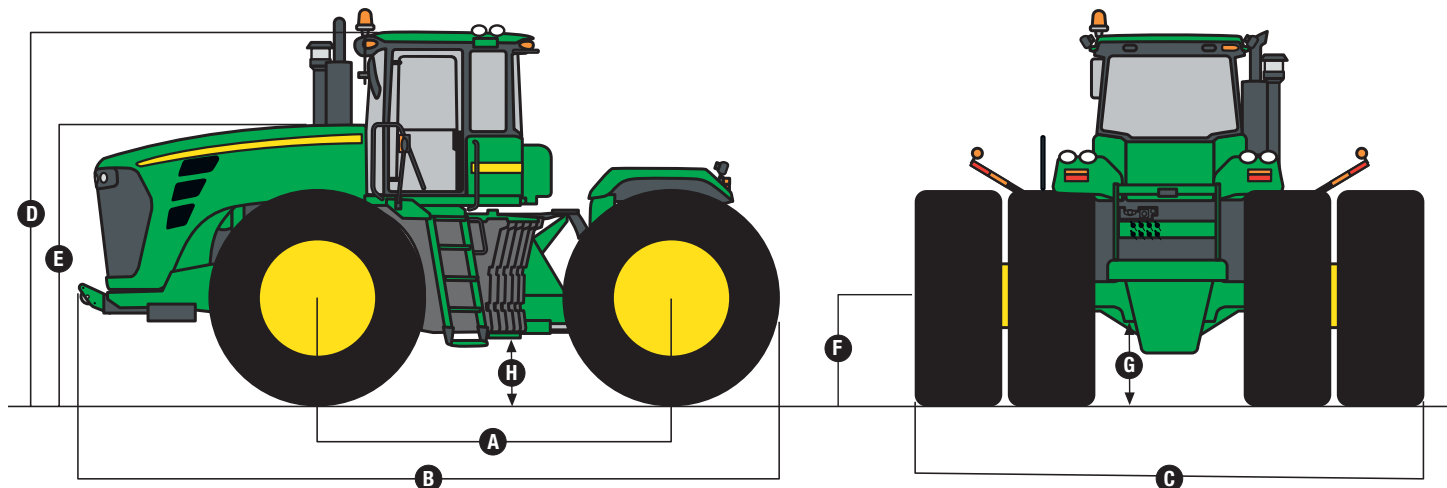
## Refill Capacities (U.S.)

### 9430

Fuel Tank	350 gal. (1325 L)
Cooling System	14 gal. (53 L)
Crankcase (with filter)	11 gal. (42 L)
PowerShift Transmission	45 gal. (170 L)
Hydraulic System	
Standard	27 gal. (103 L)
High Flow	30 gal. (113 L)

### 9530 / 9630

Fuel Tank	350 gal. (1325 L)
Cooling System	14 gal. (53 L)
Crankcase (with filter)	15.8 gal. (60 L)
PowerShift Transmission	23 gal. (87 L)
Hydraulic System	
Standard	27 gal. (103 L)
High Flow	30 gal. (113 L)



## Dimensions

### 9430

### 9530

### 9630

<b>A</b> Wheelbase	11 ft. 6 in. (3500 mm)	11 ft. 6 in. (3500 mm)	11 ft. 6 in. (3500 mm)
<b>Overall Length</b>			
<b>B</b> With Hitch and Coupler	23 ft. 9 in. (7240 mm)	23 ft. 9 in. (7240 mm)	23 ft. 9 in. (7240 mm)
<b>Overall Width</b>			
<b>C</b> Right-Hand Fuel Tank to Left-Hand Step	9 ft. 10.6 in. (3012 mm)	9 ft. 10.6 in. (3012 mm)	9 ft. 10.6 in. (3012 mm)
Base Tires	14 ft. 4 in. (4369 mm)	14 ft. 4 in. (4369 mm)	14 ft. 4 in. (4369 mm)
Axle Length	10 ft. (3048 mm)	10 ft. (3048 mm)	10 ft. (3048 mm)
Axle Diameter	4.33 in. (110 mm)	4.72 in. (120 mm)	4.72 in. (120 mm)
<b>Height from Ground</b>			
<b>D</b> CommandView™ Cab	11 ft. 10 in. (3593 mm)	11 ft. 10 in. (3593 mm)	11 ft. 10 in. (3593 mm)
CommandView Cab Roof Lights	11 ft. 11 in. (3632 mm)	11 ft. 11 in. (3632 mm)	11 ft. 11 in. (3632 mm)
To Top of Air Stack	12 ft. (3668 mm)	12 ft. (3668 mm)	12 ft. (3668 mm)
<b>E</b> To Top of Hood	8 ft. 11 in. (2724 mm)	8 ft. 11 in. (2724 mm)	8 ft. 11 in. (2724 mm)
Fuel-Fill Cap Removed	6 ft. (1829 mm)	6 ft. (1829 mm)	6 ft. (1829 mm)
<b>Ground Clearance</b>			
<b>F</b> Axle Housing	30.8 in. (782 mm)	30.8 in. (782 mm)	30.8 in. (782 mm)
<b>G</b> Hinge Pin	20.5 in. (520 mm)	20.5 in. (520 mm)	20.5 in. (520 mm)
Drawbar Support	16 in. (406 mm)	16 in. (406 mm)	16 in. (406 mm)
Drawbar	19 in. (482 mm)	19 in. (482 mm)	19 in. (482 mm)
<b>H</b> Fuel Tank	22.8 in. (579 mm)	22.8 in. (579 mm)	22.8 in. (579 mm)

Note: The use of 76x50-32 single tires allows the John Deere Scraper Special Tractor to get below 12-ft. transport width.

## Turning Radius (tractor centerline)

With 5-deg. Stops (76x50-32 tires)	17.0 ft. (5.18 m)	17.0 ft. (5.18 m)	17.0 ft. (5.18 m)
With 10-deg. Stops (710/70R42 tires)	19.5 ft. (5.92 m)	19.5 ft. (5.92 m)	19.5 ft. (5.92 m)



# Specifications

## CARRY-ALL SCRAPERS

Capacities	1510C	1512C	1810C	1812C	1814C	2112C
Heaped (ISO 6485 / SAE J741) .....	15.0 cu. yd.	15.5 cu. yd.	18.0 cu. yd.	18.0 cu. yd.	18.0 cu. yd.	21.5 cu. yd.
Struck (ISO 6485 / SAE J741) .....	11.0 cu. yd.	12.0 cu. yd.	12.0 cu. yd.	14.0 cu. yd.	14.0 cu. yd.	14.0 cu. yd.

## Warranty

Standard Full Machine .....	6 months
Extended Full Machine .....	2–3 years / unlimited hours

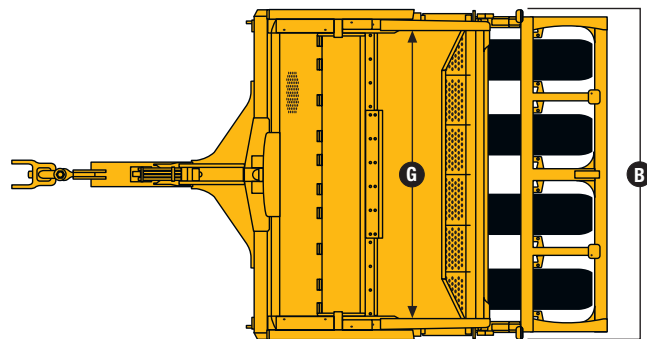
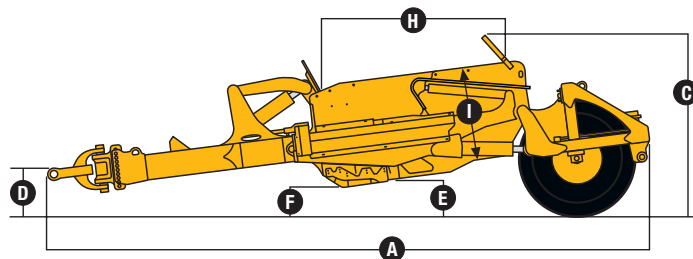
Weight	1510C	1512C	1810C	1812C	1814C	2112C
Approximate Shipping Weight .....	16,800 lb. (7620 kg)	17,950 lb. (8149 kg)	20,500 lb. (9307 kg)	18,950 lb. (8603 kg)	21,000 lb. (9534 kg)	25,300 lb. (11 486 kg)

## Scraper Weight Distribution

Tongue .....	28%	27%	28%	28%	26%	28%
Wheels .....	72%	73%	72%	72%	74%	72%

## Blades

Blade Type, 3-Piece Reversible .....	standard	standard	standard	standard	standard	optional
10-in. Sides .....						
With 13-in. Center .....	standard	standard	standard	standard	standard	standard
With 16-in. Center .....	optional	N/A	N/A	optional	N/A	N/A
With 20-in. Center .....	N/A	N/A	optional	N/A	N/A	optional
Adjustable Router Bits .....	standard	standard	standard	standard	standard	standard
6-in. Bolthole Spacing for Ejector-Style Blades .....	N/A	N/A	standard	N/A	N/A	standard
Long Blades, Drop Center or Teeth .....	N/A	N/A	optional	N/A	N/A	optional
Super Frost Bit .....	optional	optional	N/A	optional	optional	N/A



Dimensions	1510C	1512C	1810C	1812C	1814C	2112C
<b>A</b> Length .....	24 ft. 10 in. (7569 mm)	24 ft. 2 in. (7366 mm)	27 ft. 7 in. (8407 mm)	24 ft. 10 in. (7569 mm)	25 ft. 2 in. (7671 mm)	29 ft. 10 in. (9093 mm)
<b>B</b> Width .....	11 ft. 10 in. (3607 mm)	13 ft. 10 in. (4216 mm)	11 ft. 9 in. (3581 mm)	13 ft. 10 in. (4216 mm)	15 ft. 10 in. (4826 mm)	13 ft. 9 in. (4191 mm)
<b>C</b> Overall Height .....	7 ft. 6 in. (2286 mm)	7 ft. 6 in. (2286 mm)	8 ft. (2438 mm)	7 ft. 6 in. (2286 mm)	7 ft. 6 in. (2286 mm)	8 ft. (2438 mm)
<b>D</b> Hitch/Drawbar .....	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)
<b>E</b> Blade – Bucket Up .....	19 in. (483 mm)	21 in. (533 mm)	19 in. (508 mm)	19 in. (483 mm)	21 in. (533 mm)	19 in. (482 mm)
<b>F</b> Router – Bucket Up .....	16 in. (406 mm)	17 in. (432 mm)	15 in. (381 mm)	16 in. (406 mm)	18 in. (457 mm)	16 in. (406 mm)
<b>G</b> Bowl Width .....	10 ft. (3048 mm)	12 ft. (3658 mm)	10 ft. (3048 mm)	12 ft. (3658 mm)	14 ft. (4267 mm)	12 ft. (3658 mm)
<b>H</b> Bowl Length .....	7 ft. 8 in. (2337 mm)	6 ft. 10 in. (2083 mm)	8 ft. 10 in. (2692 mm)	7 ft. 8 in. (2337 mm)	6 ft. 10 in. (2083 mm)	8 ft. 10 in. (2692 mm)
<b>I</b> Bowl Height .....	46 in. (1168 mm)	46 in. (1168 mm)	46 in. (1168 mm)	46 in. (1168 mm)	46 in. (1168 mm)	46 in. (1168 mm)

Dimensions (continued)	1510C	1512C	1810C	1812C	1814C	2112C
<b>Transport Clearance</b>						
17.5 x 25 Tires .....	17 in. (431 mm)	N/A	N/A	N/A	18 in. (457 mm)	N/A
20.5 x 25 Tires .....	19 in. (482 mm)	20 in. (508 mm)	19 in. (482 mm)	19 in. (482 mm)	20 in. (508 mm)	N/A
23.5 x 25 Tires .....	N/A	N/A	N/A	N/A	N/A	19 in. (482 mm)
26.5 x 25 Tires .....	N/A	N/A	N/A	N/A	N/A	21 in. (533 mm)

#### Turning Radius to Outside Rear Tractor Tires

Single Scraper*	31 ft. (9.4 m)	30 ft. (9.1 m)	33 ft. (10.1 m)	31 ft. (9.4 m)	37 ft. (11.3 m)	34 ft. (10.4 m)
Tandem Scrapers**	37 ft. (11.3 m)	36 ft. (11.0 m)	41 ft. (12.5 m)	37 ft. (11.3 m)	37 ft. (11.3 m)	43 ft. (13.1 m)

#### EJECTOR SCRAPERS

Capacities	1512E	1810E	1814E	2112E
Heaped (ISO 6485 / SAE J741) .....	15.5 cu. yd.	18.3 cu. yd.	18.0 cu. yd.	21.0 cu. yd.
Struck (ISO 6485 / SAE J741) .....	11.0 cu. yd.	12.5 cu. yd.	13.2 cu. yd.	15.0 cu. yd.

#### Warranty 1512E / 1810E / 1814E / 2112E

Standard Full Machine .....	6 months
Extended Full Machine .....	2–3 years / unlimited hours

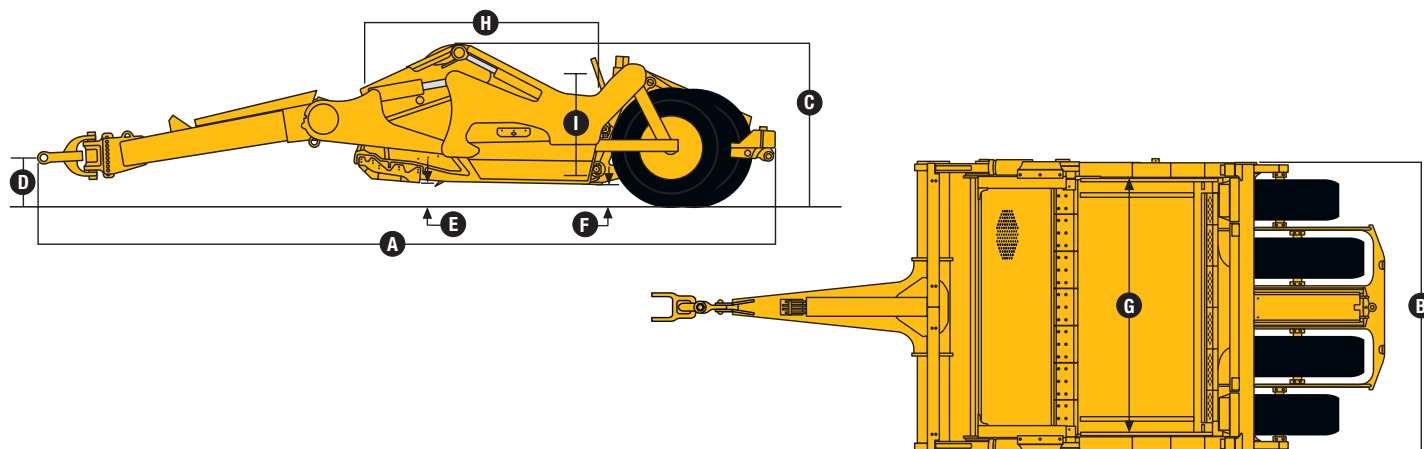
Weight	1512E	1810E	1814E	2112E
Approximate Shipping Weight .....	22,100 lb. (10 024 kg)	22,500 lb. (10 215 kg)	25,800 lb. (11 702 kg)	27,200 lb. (12 337 kg)

#### Scraper Weight Distribution

Tongue .....	24%	26%	25%	28%
Wheels .....	76%	74%	75%	72%

#### Blades (reversible) 1512E / 1810E / 1814E / 2112E

12- and 18-in. Wide x 16-in. Long .....	standard
Rows of Blade Bolts (2) .....	standard
Adjustable Router Bits .....	standard
Long Blades, Drop Center or Teeth .....	optional



Dimensions	1512E	1810E	1814E	2112E
<b>A</b> Length .....	28 ft. 2 in. (8585 mm)	29 ft. 8 in. (9042 mm)	26 ft. 10 in. (8179 mm)	31 ft. 10 in. (9703 mm)
<b>B</b> Width .....	13 ft. 5 in. (4089 mm)	11 ft. 11 in. (3632 mm)	15 ft. 11 in. (4851 mm)	13 ft. 5 in. (4089 mm)
<b>C</b> Overall Height .....	6 ft. 7 in. (2007 mm)	6 ft. 7 in. (2007 mm)	6 ft. 7 in. (2007 mm)	7 ft. 6 in. (2286 mm)
<b>D</b> Hitch/Drawbar .....	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)
<b>E</b> Blade – Bowl Up .....	20 in. (508 mm)	20 in. (508 mm)	20 in. (508 mm)	21 in. (533 mm)
<b>F</b> Floor – Bowl Up .....	17 in. (432 mm)	15 in. (381 mm)	17 in. (432 mm)	15 in. (381 mm)
<b>Bowl</b>				
<b>G</b> Width .....	12 ft. (3658 mm)	10 ft. 6 in. (3200 mm)	14 ft. 6 in. (4420 mm)	12 ft. (3658 mm)
<b>H</b> Length .....	7 ft. 8 in. (2337 mm)	9 ft. 2 in. (2794 mm)	7 ft. 8 in. (2337 mm)	9 ft. 2 in. (2794 mm)
<b>I</b> Height .....	52 in. (1321 mm)	52 in. (1321 mm)	52 in. (1321 mm)	52 in. (1321 mm)
<b>Transport Clearance</b>				
17.5 x 25 Tires .....	N/A	N/A	19 in. (482 mm)	N/A
20.5 x 25 Tires .....	N/A	21 in. (533 mm)	20 in. (508 mm)	N/A
23.5 x 25 Tires .....	N/A	N/A	N/A	21 in. (533 mm)
26.5 x 25 Tires .....	N/A	N/A	N/A	22 in. (558 mm)

Notes: Dimensions are approximate.

#### Turning Radius to Outside Rear Tractor Tires

Single Scraper*	32 ft. (9.8 m)	33 ft. (10.1 m)	31 ft. (9.4 m)	35 ft. (10.7 m)
Tandem Scrapers**	40 ft. (12.2 m)	42 ft. (12.8 m)	38 ft. (11.6 m)	45 ft. (13.7 m)

Scraper tractor tire width is 14.2 ft. For scraper tractors with single tires, subtract 1.0 ft. from the above. 21-cu.-yd. scrapers can use only the short drawbar.

\*For single scrapers with the long drawbar, subtract 1.0 ft. from the above. \*\*The turning radius is approximately the same for tandem scrapers with the long or short drawbars.



## SCRAPER SPECIAL TRACTORS / CARRY-ALL AND EJECTOR SCRAPERS

**Key:** ● Standard equipment ▲ Optional or special equipment

See your John Deere dealer for further information.

9430	9530	9630	Engine	9430	9530	9630	CommandView Cab (cont.)	9430	9530	9630	Overall Vehicle / Miscellaneous
●	●	●	Certified to EPA Tier 3 regulations	▲	▲	▲	Deluxe cab with John Deere ActiveSeat™ suspension	●	●	●	Slow-moving-vehicle (SMV) emblem
●	●	●	Variable horsepower	▲	▲	▲	Comfort package with auto-temperature control	●	●	●	Backup (reverse) alarm
●	●	●	Electronic unit injection				<b>Instrumentation</b>	●	●	●	Heavy-duty front axle-to-frame reinforcement
●	●	●	Top-loaded dual-element fuel filter				Digital instrument panel: Engine oil pressure gauge / Engine coolant temperature gauge / Fuel level gauge / Calculated ground speed / System voltage / Engine hours / Service hours / Onboard vehicle monitor system / Self-diagnostics with code displays	●	●	●	Heavy-duty articulation pins and center section
●	●	●	Dual air-cleaner elements, radial seal				Corner post display: Engine speed indicator / Ground speed indicator / Transmission gear indicator / IMS sequence / Auto PowerShift indicator / Differential lock indicator / Fuel level gauge / Engine oil pressure gauge / Coolant temperature gauge	▲	▲	▲	Front wheel weight(s) (ballast)
●	●	●	Air stack and aspirator				<b>Electrical System</b>	▲	▲	▲	Front weight frame (ballast)
●	●	●	Ether starting aid				12-volt electrical system	▲	▲	▲	Tow cable ( <i>dealer installed</i> )
●	●	●	Engine coolant heater (110 volts)				200-amp alternator	▲	▲	▲	Short drawbar support
●	●	●	Vertical engine oil filter				Batteries, 925 CCA (3)	▲	▲	▲	Drawbar hitch adapters to pull drawn implements
●	●	●	Fuel capacity, 350 gal. (1325 L)				7-terminal electrical outlet (ASAE)	▲	▲	▲	JDLINK™ wireless communication system
●	●	●	Variable-sheave drive fan				Power strip with convenience-plug adapter				
			<b>Transmission</b>				<b>Lights</b>				
●	●	●	Hydraulic wet clutches				H4 55- to 65-watt high/low road headlights (2)				
●	●	●	Electronic shift modulation				65-watt front work lights (3)				
●	●	●	Self-diagnostic with service-code display				65-watt rear fender-mounted work lights (4)				
●	●	●	Automatic PowerShift (APS)				Rotary beacon light (cab mounted)				
			<b>Steering and Brakes</b>				65-watt supplementary roof lights (4)				
●	●	●	Articulated hydrostatic steering				Field Vision xenon (HID) lights (3)				
●	●	●	Tilt/telescoping steering wheel				<b>Axles, Wheels, and Tires</b>				
●	●	●	Wet-disc, self-adjusting brakes				Heavy-duty, 120-in. x 110-mm-diameter axle				
●	●	●	Internal park brake (spring on, hydraulic off)				Heavy-duty, 120-in. x 120-mm-diameter axle				
			<b>Hydraulic System</b>				Differential lock				
●	●	●	Axial-piston pump				Heavy-duty cast wheel hubs (8)				
●	●	●	Load sensing				710/70R42 R1W radial tires (8)				
●	●	●	Selective control valves (SCVs) (4)				76x50-32 single tires (4)				
●	●	●	Electrohydraulic SCV control								
●	●	●	ISO SCV couplers								
			<b>Hitch and Drawbar</b>								
●	●	●	Heavy-duty drawbar support								
			<b>CommandView Cab</b>								
●	●	●	Rollover protective structure (ROPS)								
●	●	●	Air conditioning and heater								
●	●	●	Rearview mirrors, exterior (2) and interior (2)								
●	●	●	ComfortCommand™ cloth seat								
▲	▲	▲	Instructional seat								
●	●	●	Fore/aft and lateral adjustments								
●	●	●	Swing-out rear window								
●	●	●	12-volt convenience outlets (2)								
▲	▲	▲	AM/FM radio								
●	●	●	Left-hand storage								
●	●	●	Electronic foot decelerator								
●	●	●	Implement Management System (IMS)								

## CONTROL OWNING AND OPERATING COSTS

Customer Personal Service (CPS) is part of John Deere's proactive, fix-before-fail strategy on machine maintenance that will help control costs, increase profits, and reduce stress. Included in this comprehensive lineup of ongoing programs and services are:

**Fluid analysis program** – tells you what's going on inside *all* of your machine's major components so you'll know if there's a problem *before* you see a decline in performance. Fluid analysis is included in most extended coverage and preventive-maintenance agreements.

**Preventive Maintenance (PM) agreements** – give you a fixed cost for maintaining a machine for a given period of time. They also help you avoid downtime by ensuring that critical maintenance work gets done right and on schedule. On-site preventive maintenance service performed where and when you need it helps protect you from the expense of catastrophic failures and lets you avoid waste-disposal hassles.

**Extended coverage** – gives you a fixed cost for machine repairs for a given period of time so you can effectively manage costs. Whether you work in a severe-service setting or just want to spread the risk of doing business, this is a great way to custom-fit coverage for your operation. And an extended coverage contract also travels well because it's backed by John Deere and is honored by *all* Deere construction dealers.

**Customer Support Advisors (CSAs)** – Deere believes the CSA program lends a *personal* quality to Customer Personal Service (CPS). Certified CSAs have the knowledge and skills for helping make important decisions on machine maintenance and repair. Their mission is to help you implement a plan that's right for *your* business and take the burden of machine maintenance off your shoulders.

