



**JOHN DEERE**

# 300-SERIES

**SKID STEERS**

313 | 315





# Even less of a good thing.

Like their bigger 300-Series Skid Steer siblings, the 313 and 315 deliver best-in-class stability, visibility, and serviceability. Lightweight and agile, yet surprisingly powerful, these highly capable compacts are the perfect size for confined areas. Easy to transport between jobsites, too. So you can get more done, more reliably, for less.

Features such as heavy-duty drive chains that never need adjustment, easy-to-fill large-capacity fuel tank, and a self-cleaning, no-grease Quik-Tatch™ ensure they're as easy to maintain as they are to run. Plus, these little dynamos are highly versatile. Equip one with any of the many Worksite Pro™ attachments, and watch productivity take off.



313 and 315 are as inexpensive to own as they are to acquire. Daily and periodic maintenance is quick, convenient, and minimal.

John Deere 2.4-L diesel engine runs smooth and efficiently. Meets Tier 4 interim emission standards, too.

Best-in-class visibility provides clear sight lines to the bucket or attachment, edge of the tires, and out back. For increased confidence and productivity, even in close quarters.

Boom design delivers excellent reach through the “work zone.” Perfect for loading pickup trucks, placing pallets, and loading hoppers and spreaders.

Large standard tires (10x16.5 inches) offer good balance, traction, and flotation. Or equip them with 7x15 tires to navigate narrow openings less than 5-feet wide.

<b>Specifications</b>	<b>313</b>	<b>315</b>
<b>Net hp</b> .....	45 hp .....	45 hp
<b>Width</b> .....	59 in.* .....	59 in.*
<b>Rated Operating Capacity</b> .....	1,260 lb. ....	1,500 lb.
<b>Tipping Load</b> .....	2,525 lb. ....	3,000 lb.

\* 56 in. with optional 7x15 tires

Impressive tipping load and rated operating capacities let you master a variety of material-handling tasks.

Boom design keeps the load close to the machine, close to the ground for carrying heavy loads. Combined with their low center of gravity and generous ground clearance, these skid steers are productively agile.

Smooth-running turbocharged 2.4-L John Deere diesels deliver power without compromise. Pack plenty of torque reserve, too, for daylong stamina and strength.



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1. 40-degree dump angle enables buckets to empty completely, shedding even sticky material. Exclusive cushioned bucket and lift cylinders reduce spillage.
2. Only 5-feet wide, these skid steers are perfect for virtually any kind of work in confined areas. If you're really in a tight spot, opt for the 7x15 tires and 56-inch bucket.
3. Impressive axle torque and bucket breakout force allow you to dig, pry, and push more easily, for faster, fuller loads.
4. 30 degrees of rollback help ensure that the load arrives at its intended destination instead of somewhere in-between.
5. Standard and high-flow (available on 315) auxiliary hydraulics provide the fluid power needed to drive a wide variety of attachments.





# Lightweight agility, heavyweight ability.

Whether you're tiptoeing around zero lot lines, tending livestock, laboring indoors, or removing snow, these nimble skid steers won't have any trouble fitting in. Their small stature enables the 313 and 315 to slip comfortably through narrow openings and into tight quarters. Makes them easy to trailer and easy on turf, too. But these "lightweights" won't get pushed around. Optimal 60/40-weight

distribution gives them the stability needed for handling heavy loads. Impressive breakout force and 1,260- and 1,500-lb. rated operating capacities deliver plenty of productive punch. And their high-torque turbocharged 2.4-L diesels won't throw in the towel when the going gets tough, either. With the 313 and 315, it's not the size of the skid steer in the fight, but the size of the fight in the skid steer.



# Compact machine, super-sized comfort.

Who says compact has to mean uncomfortable? Slip-resistant steps, convenient grab bars, and wide-open entryways make it easy to settle into the adjustable high-back sculpted seat. Low-effort controls are intuitive and responsive. Overhead, the electronic monitor is easy to see and operate, with backlit gauges, LED warning lights, and glove-friendly rocker

switches. Industry-leading 360-visibility provides a commanding view of the work at hand for confident operation in close quarters. And like all John Deere machines, safety features abound. An in-cab-activated boom lock and triple-interlock operator-presence system help keep the operator out of harm's way.



Triple-interlock operator-presence system automatically applies the brakes when the seat belt is unlatched, the operator leaves the seat, or the engine is shut down.

Industry-exclusive in-cab-activated boom lock lets the operator secure the loader arms in an upright position before leaving the seat.

Steering controls are smooth, responsive, and deliver precise low-effort control that won't overreact to a bump in the road — or a first-time operator's unfamiliar touch.

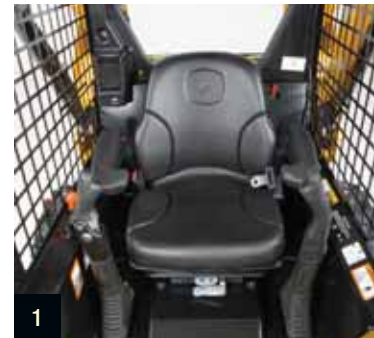
Clear sight lines to the cutting edge and bucket corners, above and below the lift arms, and the jobsite behind you add up to best-in-class visibility. It's a commanding view you have to sit in the seat to appreciate, so ask for a demo.

Available digital-coded antitheft security system is simple to use and includes automatic end-of-day activation.

Add a cab with highly efficient heater for additional comfort.

Convenient 12-volt port powers cell phones and other carry-ons. Interior dome light and cup holder are also standard.

1. Comfortable sculpted high-back seat has a vinyl cover and shape that sheds rain. Seat belt automatically retracts.
2. Overhead console houses an easy-to-read diagnostic monitor. Large backlit gauges and LED warning lights display vital operating info at a glance.
3. Optional push-button-activated Quik-Tatch enables an operator to hook up attachments without leaving the seat.
4. Decreased lever efforts and ergonomically correct adjustable armrests help reduce operator fatigue. Foot-pedal angle is adjustable for enhanced comfort and control.



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Pickup brooms help keep jobsites clean and dust to a minimum. High-torque drive motors ensure long-term dependability.

Self-cleaning universal Quik-Tatch accommodates John Deere Worksite Pro™ and numerous other brands of attachments. With optional electric-actuated version, swapping attachments is push-button easy.

Auxiliary hydraulics with convenient flat-face quick-couplers are standard. Or opt for high-flow on the 315 to power hydraulic-thirsty tools.

Worksite Pro attachments are optimized to work on John Deere 300-Series Skid Steers, and are compatible with many competitive models.



1. Power rake is perfect for seedbed or site prep. Exclusive forward and backward operation increases productivity.

2. Snow/utility blade angles hydraulically 30 degrees right or left. Trip springs protect skid steer from sudden impacts.

3. Compact size and high power-to-weight ratio let Worksite Pro breakers work where others won't, providing unsurpassed durability.



4. Rail- or pin-style forks are available with 42- or 48-inch tine lengths. Rail style allows tines to follow the terrain contour.

5. Tapered bale spear's three-point design provides additional support and stability.

6. From manure to metals to whatever — a variety of grapples help simplify material-handling chores.

7. Removable backhoe connects quickly and provides a 7-foot digging depth. Two-lever controls provide simplified operation.







# Get connected.

If you're looking to expand your business opportunities, look to your John Deere skid steer dealer. With nearly 100 models of Worksite Pro attachments available, they can hook you up with a wide variety of tools to help put more work within reach. And with the universal Quick-Tatch, you can

go from bucket, to grapple, to whatever, in just seconds. Each skid steer delivers plenty of standard hydraulic power (or optional high-flow on the 315) to operate augers, breakers, trenchers, or power rakes, to list just a few. To learn more about the entire Worksite Pro lineup, see your John Deere dealer.

A yellow Deere skid steer loader is shown in the process of dumping a load of sand. The loader is positioned on the right side of the frame, with its bucket tilted upwards, causing a stream of sand to fall. In the foreground and background, there are several vertical and horizontal rebar rods, suggesting a construction site for a foundation or wall. The sky is a clear, bright blue. The overall scene is one of active construction work.

# Nothing lasts like a Deere.

Don't let their small size fool you. Incorporating many of the same durability features found on our larger skid steers, the 313 and 315 are as tough as they come. Advantages such as sealed electrical connectors, O-ring face-seal hydraulic fittings,

large coolers, and extended service intervals keep downtime down. Plus, a standard automatic shutdown system prevents overheating or low fluids from ruining more than just your day. When you know how they're built, you'll run a Deere.



Heavy-duty final-drive chains withstand daily punishment without ever requiring adjustment.

O-ring face-seal hydraulic fittings virtually eliminate aggravating and costly oil leaks.

Wet-disc park brakes are fully enclosed and never require adjustment.

Precision-joint connecting rods and rolled fillet crankshafts ensure long engine life.

500-hour engine oil service intervals allow these skid steers to work longer between changes.

Automatic shutdown system monitors engine oil pressure, coolant, and hydraulic oil temperature. When limits are exceeded, the system issues an audible warning and if necessary, shuts down the machine.



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1. Cast axle housings and large one-piece forged and heat-treated shafts provide superior strength. A double-lip seal and wiper ring protect the tapered roller bearings.



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2. Heavy-duty cross-section boom arm design provides long-term durability and strength.

3. Large coolers provide increased heat rejection for superior performance in severe, high-load conditions.

4. Rocker switches and electrical connectors are sealed to keep out moisture and dirt for increased durability.



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Simply remove two nuts and tilt the ROPS for wide-open access to major components in less than two minutes.

Self-cleaning Quik-Tatch never needs greasing. Rotating pawl mechanism sheds dirt and resists buildup every time it's engaged.

Serpentine engine belt and hydraulic valve lifters never require adjustment.

500-hour engine oil, and 3-micron hydraulic, and 5-micron fuel filters provide extra protection.

Swing open the rear door and tilt up the hood for convenient, ground-level access to engine components, filters, starter, and maintenance-free battery.



# Tightwads.

Tight spaces aren't the only place these highly capable compacts excel. They're tightfisted with your dollars, too. Everything about the 313 and 315 has been designed to keep maintenance simple and daily operating costs low. A swing-out rear door provides wide-open, ground-level access to cooling system components and daily service checkpoints. Refueling and other fluid

additions are convenient and quick. Never-grease Quik-Tatch, remote hydraulic oil drain, and easy-access spin-on filters further minimize effort and expense. When necessary, the ROPS can be tilted in less than two minutes, providing best-in-class wide-open access to major components. Parts and service are just as easily accessible at more than 1,100 John Deere dealers coast to coast.

1. Fuel tank/filler neck position allows fast and easy fill-up, even with heavy fuel cans. Generous fuel capacity allows daylong operation.

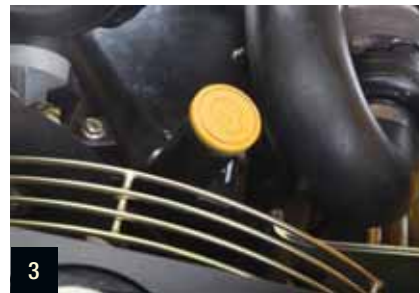
2. Rear-door-mounted oil cooler swings out for easy radiator and cooler core clean-out.

3. Engine oil dipstick and filler neck are easily accessible for fast and easy checks and additions.

4. Spin-on engine filter and oil-drain tray allow quick, no-mess changes.

5. Front debris access allows easy material clean-out. No jacks necessary.

6. See-through reservoirs let you check fuel, hydraulic oil, and windshield washer fluid levels at a glance.



# Specifications

<b>Engine</b>		<b>313 / 315</b>
Manufacturer and Model	John Deere PowerTech™ 4024T	
Non-Road Emission Standards	certified to EPA interim Tier 4 emissions	
Cylinders	4	
Net Horsepower	45 net hp (33.5 kW)	
Gross Horsepower	49 gross hp (36.5 kW)	
Displacement	149 cu. in. (2.4 L)	
Rated Engine Speed	2,400 rpm	
Gross Peak Torque	139 lb.-ft. (188 Nm)	
Torque Rise	32%	
Aspiration	turbocharged	
Air Cleaner	dry dual element	
<b>Cooling</b>		
Fan Type	auto-tensioned serpentine belt drive	
Engine Coolant Rating	-34°F (-37°C)	
<b>Powertrain</b>		<b>313</b>
Hydrostatic-manual; four-wheel drive; four 80 heavy-duty chain, continuous loop		
Single Speed	6.8 mph (10.9 km/h)	6.8 mph (10.9 km/h)
System Relief Pressure	5,000 psi (34 474 kPa)	5,000 psi (34 474 kPa)
<b>John Deere Axles</b>	induction hardened, one-piece forged axle shafts with maintenance-free auto lubrication of inner and outer axle bearings	induction hardened, one-piece forged axle shafts with maintenance-free auto lubrication of inner and outer axle bearings
Maximum Axle Torque	3,420 lb.-ft. (4651 Nm)	4,050 lb.-ft. (5508 Nm)
Tractive Effort	5,650 lbf (2563 kgf)	6,700 lbf (3039 kgf)
<b>Final Drive</b>	#80 HZ high-strength, adjustment-free chains	#80 HZ high-strength, adjustment-free chains
<b>Brakes</b>	integral, automatic, spring-applied, hydraulically released wet-disc park brake	integral, automatic, spring-applied, hydraulically released wet-disc park brake
<b>Hydraulics</b>		
Three-spool open-center valve; O-ring face-seal hydraulic fittings to prevent oil leaks; auxiliary hydraulics with flat-faced couplers; loader arm, bucket, and auxiliary hydraulic lockout system and auxiliary lockout override		
Pump Flow		
Standard	15 gpm (57 L/m)	16 gpm (61 L/m)
Total with High-Flow Option	N/A	25 gpm (95 L/m)
System Pressure at Couplers	3,450 psi (23 787 kPa)	3,450 psi (23 787 kPa)
Hydraulic Horsepower Flow (calculated)		
Standard	31 hp (23 kW)	35 hp (26 kW)
High	N/A	45 hp (34 kW)
<b>Cylinders</b>		<b>313 / 315</b>
John Deere heat-treated, chrome-plated, polished cylinder rods; hardened steel (replaceable bushings) pivot pins; integrated bucket cylinder cushions on both curl and dump, and integrated cushioned cylinders on boom lower		
<b>Electrical</b>		
Voltage	12 volt	
Battery Capacity	750 CCA (optional 925 CCA)	
Alternator Rating	70 amp	
<b>Lights</b>	halogen, two (2) front and one (1) rear standard	
<b>Tires/Wheels</b>		
Standard Tire Size	10 x 16.5 8 PR Extra Wall	
<b>Serviceability</b>		
John Deere engine features: less maintenance with never-adjust hydraulic valve lifters and auto-tensioned fan belt; John Deere brakes features: sealed wet-disc brakes, auto-lube axles, and never-adjust final-drive chains; rear-door-mounted oil cooler swings out for easy radiator and cooler separation and clean-out; operator-activated in-cab boom lock to safely secure loader before exiting the operator seat for service; no-tools-required engine oil-drain valve		

**Diagnostics** . . . . . computerized in-cab monitor information

computerized in-cab monitor information

**Filters**

Engine Oil Filter . . . . . horizontally mounted with integrated environmentally friendly drip tray  
 Fuel Filter with Water Separator . . . . . vertically mounted  
 Secondary Fuel Filter . . . . . vertically mounted  
 Hydraulic Filter . . . . . 3-micron, vertically mounted  
 Return Oil Filter . . . . . 3-micron, spin-on enclosed replaceable element

horizontally mounted with integrated environmentally friendly drip tray  
 vertically mounted  
 vertically mounted  
 3-micron, vertically mounted  
 3-micron, spin-on enclosed replaceable element  
 hydraulic reservoir

**Sight Gauges** . . . . . hydraulic reservoir

**Refill Capacities**

Fuel Tank . . . . . 17.5 gal (66 L)  
 Cooling System . . . . . 7 qt. (6.2 L)  
 Engine Oil with Filter . . . . . 9.5 qt. (9 L)  
 Hydraulic Fluid (refill) . . . . . 5 gal. (19 L)  
 Chain Case (per side) . . . . . 3.9 gal. (14.8 L)

17.5 gal (66 L)  
 7 qt. (6.2 L)  
 9.5 qt. (9 L)  
 5 gal. (19 L)  
 4.3 gal. (16.3 L)

**Operating Weights**

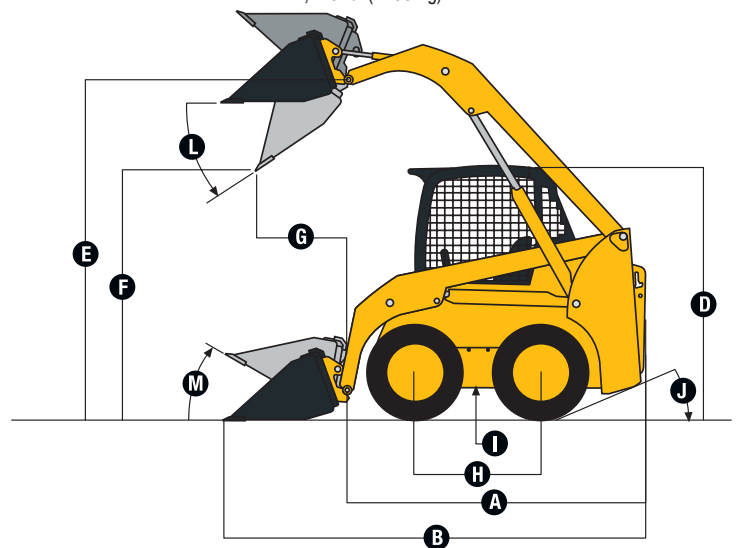
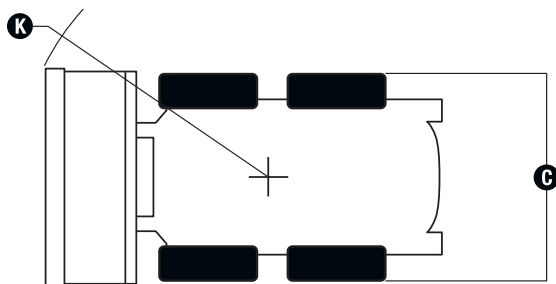
Base Machine . . . . . 5,150 lb. (2338 kg)

5,200 lb. (2361 kg)

**Machine Dimensions**

**A** Length without Bucket . . . . . 8 ft. 0 in. (2.44 m)  
**B** Length with Bucket (60-in. foundry) . . . . . 10 ft. 4 in. (3.14 m)  
**C** Width without Bucket . . . . . 4 ft. 11 in. (1.50 m)  
 Equipped with Optional 7 x 15 Tires . . . . . 4 ft. 8 in. (1.47 m)  
**D** Height to Top of ROPS . . . . . 6 ft. 5 in. (1.96 m)  
**E** Height to Hinge Pin . . . . . 9 ft. 1 in. (2.77 m)  
**F** Dump Height . . . . . 7 ft. 0 in. (2.13 m)  
**G** Dump Reach  
 Foundry Bucket . . . . . 17.4 in. (442 mm)  
 Construction Bucket . . . . . 23 in. (0.58 m)  
**H** Wheelbase . . . . . 3 ft. 2 in. (0.95 m)  
**I** Ground Clearance . . . . . 7.6 in. (193 mm)  
**J** Angle of Departure . . . . . 26 deg.  
**K** Front Turn Radius . . . . . 6 ft. 2 in. (1.89 m)  
**L** Dump Angle (full lift height) . . . . . 40 deg.  
**M** Bucket Rollback (ground level) . . . . . 30 deg.  
 Maximum Reach with Arms Parallel to Ground . . . . . 3 ft. 11 in. (1196 mm)  
 Tipping Load . . . . . 2,525 lb. (1146 kg)  
 SAE Rated Operating Capacity . . . . . 1,260 lb. (572 kg)  
 With Counterweight . . . . . 1,400 lb. (636 kg)  
 Boom Breakout . . . . . 2,800 lb. (1271 kg)  
 Bucket Breakout Force  
 Foundry Bucket . . . . . 3,300 lb. (1498 kg)  
 Construction Bucket . . . . . 2,178 lb. (989 kg)

8 ft. 5 in. (2.57 m)  
 10 ft. 9 in. (3.27 m)  
 4 ft. 11 in. (1.50 m)  
 4 ft. 8 in. (1.47 m)  
 6 ft. 5 in. (1.96 m)  
 9 ft. 7 in. (2.91 m)  
 7 ft. 5 in. (2.26 m)  
 15.8 in. (401 mm)  
 21 in. (0.54 m)  
 3 ft. 5 in. (1.04 m)  
 7.6 in. (193 mm)  
 23.5 deg.  
 6 ft. 4 in. (1.93 m)  
 40 deg.  
 30 deg.  
 3 ft. 11 in. (1196 mm)  
 3,000 lb. (1362 kg)  
 1,500 lb. (681 kg)  
 1,650 lb. (749 kg)  
 3,900 lb. (1771 kg)  
 3,300 lb. (1498 kg)  
 2,440 lb. (1108 kg)



## 313 / 315 RADIAL SKID STEER LOADERS

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

313	315	Engine
●	●	Certified to EPA interim Tier 4 emissions
●	●	John Deere PowerTech™ turbocharged 4-cylinder engine
●	●	Automatic fan-belt tensioner
●	●	Automatic preheat
●	●	John Deere COOL-GARD® Extended-Life Engine Coolant
●	●	John Deere Plus-50® 10w30 initial engine oil fill*
●	●	No-tools-required engine oil-drain spigot
●	●	5-micron primary fuel filter and water separator
▲	▲	Block heater
<b>Cooling System</b>		
●	●	Coolant recovery tank
●	●	Enhanced cooling system
●	●	Swing-out hydraulic oil cooler
<b>Powertrain</b>		
●	●	High-strength, heavy-duty final-drive chains (adjustment not required)
●	●	Spring-applied hydraulically released wet-disc park brake
●	●	Wet-disc brakes
<b>Hydraulic System</b>		
●	●	Boom cylinders cushioned on lower
●	●	Twin John Deere cushioned front bucket cylinder on both curl and dump
●	●	Quick-check hydraulic fluid-level sight glass
●	●	3-micron hydraulic filter
▲	▲	High-flow hydraulics
<b>Electrical</b>		
●	●	Automatic shutdown with alarm
●	●	Auxiliary hydraulics operation presence system
●	●	Battery, 750 cca

313	315	Electrical (continued)
▲	▲	Battery, 925 cca
●	●	Deluxe instrumentation EMU with: Operator selectable monitoring – Hour meter, engine rpm, battery voltage, diagnostics, EMU configuration, engine coolant temperature, hydraulic oil temperature
●	●	LED warning indicators – Glow plug, seat switch, seat belt, door open, auxiliary hydraulics, park brake engaged, two speed engaged, stop, low engine oil pressure, engine coolant over-temperature, battery not charging, air filter restriction, hydraulic filter restriction
●	●	Front and rear halogen work lights
▲	▲	Monitor-integrated antitheft system
●	●	Triple interlock operator-presence control system
▲	▲	Backup alarm
▲	▲	Dual flashers
▲	▲	Handle kit, 8-button
▲	▲	Horn
▲	▲	Warning beacon kit
<b>Operator's Station</b>		
●	●	12-volt power port
●	●	Adjustable armrests
●	●	Adjustable foot pedals
●	●	Beverage holder
●	●	Cargo storage net
●	●	Floor cover plates
●	●	Grab handles (2)
●	●	Headliner
●	●	Interior dome lighting
●	●	Quick-pivot ROPS
●	●	Rear window
●	●	ROPS/FOPS operator structure
●	●	Seat belt with auto recoil

See your John Deere dealer for further information.

313	315	Operator's Station (continued)
●	●	Water-shedding deluxe vinyl seat
▲	▲	Acoustical noise-suppression package
▲	▲	Cab enclosure
▲	▲	Demolition door
▲	▲	Hand controls
▲	▲	Heater/defroster
▲	▲	Rearview mirror kit
▲	▲	Seat belt, 3-in.
▲	▲	Shoulder belt
▲	▲	Side window kit
▲	▲	Suspension seat
▲	▲	Top window
▲	▲	Vinyl cab enclosure kit
<b>Loader</b>		
●	●	Integral cab boom lock
●	●	John Deere radial-lift boom system with superior visibility
●	●	Patented John Deere Quik-Tatch™
▲	▲	Power Quik-Tatch
▲	▲	Hydraulic self-leveling
<b>Other</b>		
●	●	Convenient front and rear tie downs
●	●	Environmental drains for all fluid reservoirs
▲	▲	JLink™ wireless communication system
▲	▲	Rear counterweights
▲	▲	Single-point lift kit
▲	▲	SMV sign kit
▲	▲	Spare tire and wheel
▲	▲	Tire options:
		Flotation
		Foam filled
		Heavy-duty
		Narrow
		Solid

\*500-hour engine oil change intervals when John Deere Plus-50 oil and John Deere oil filter are used.

## 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 warranty coverage** – gives you a fixed cost for machine repairs for a given period of time so you can effectively manage expenses. Whether you work in a severe-service setting, or you just want to spread the risk of doing business, this is a great way to custom-fit coverage to your operation. Choose from engine, powertrain, powertrain with hydraulics, or full-machine two-year/2,000-hour or three-year/3,000-hour coverage. An extended coverage contract travels well because it's backed by John Deere and honored at all John Deere Commercial Worksite Products dealers. What's more, extended coverage is fully transferable at no extra charge, so it adds value at trade-in.

**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.



JOHN DEERE

DKA31315CWP Litho in U.S.A. (07-10)

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 6270B, using No. 2-D fuel at 35 API gravity. Gross power is without cooling fan.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard equipment, full fuel tanks, and 175-lb. (79 kg) operators.

