

200 LC



You have to feel it to believe it

One word defines the new 200 LC ... *s-m-o-o-t-h*. It's not something you can see standing off to the side, though. You have to *feel* it for yourself – from the seat.

You have to *feel* what it's like to throttle up, reach down into the trench, and put the Deere-built, 140-horsepower diesel under load. Then, you can *feel* how Powerwize™, the state-of-the-art engine/hydraulic management system, senses when you need more muscle ... and then gently gives it to you. Or *feel* how easy it is to control in multiple-function applications like precision grading.

And by all rights, you should run the 200 LC a full 8-hour shift so you can *feel* the difference in your arms, back, and neck. They're not going to be as tired and sore at the end of the day because the vibrations and shock loads of normal operation are far less.

But if you're thinking that the trade-off for all this smoothness and comfort is a machine that's slow or sluggish, think again. The 200 LC's new PowerTech™ diesel engine and the dual 49-gallon-per-minute axial piston hydraulic pumps give it the same aggressive digging performance you've come to expect from a Deere excavator.

Feel like smoothing out your operation? Call your dealer about a demo. Just say you want to check out "the smooth one." He'll know what you mean.

Smooth and quick. Excellent propel metering and 42,420 foot-pounds of drawbar pull are what make the 200 LC such a pleasure to run. It propels around jobsites at a snappy 3.2 mph – without giving you whiplash.

Two arm options are available: 7-foot 3-inch (2.2 m) and 9-foot 7-inch (2.9 m).

Ask your dealer to help you choose the arm that's best for your operation.





"Now that I've spent some time in the seat, I can honestly say that the 200 LC is the smoothest, quietest, most stable excavator I've ever run. I urge anyone who demos it to dig some 8-foot trench in the toughest conditions you can find. It won't take long for the 200 LC to win you over – just like it did me."

Merle Hermesen
Professional Operator

How much does it weigh? The first two numbers tell you that the 200 LC weighs approximately 20 metric tons (or 44,750 pounds.) The same is true of each new Deere excavator.

Spend more quality time at work

There's a lot more to productivity than the size of the spoil pile. Not that the total of cubic yards you move isn't important, it's just that there are things to consider like controllability, drawbar pull, transportability, and operator comfort. That's why you're really going to like the 200 LC. It's so efficient and easy to run that it pushes *all* the "productivity hot-buttons."

It starts with variable-flow, open-center hydraulics. By keeping a constant balance between pressure and flow, the system maximizes engine output and saves fuel. It's controlled by Powerwise – the slick new computer-controlled engine/hydraulic management system. Powerwise is so easy to understand, you'll never have to guess if you're in the right mode. It's also sophisticated enough to sense when the arm is meeting heavy resistance and automatically increases engine rpm by 6 percent. Then, when the arm breaks through, it saves fuel by lowering engine rpm to the original setting.

Here are some other ways the 200 LC can make your days more productive and profitable ...



The 200 LC's multiple-function capabilities also comes in handy when transporting from one jobsite to another. By propelling and using the boom simultaneously, it's easier to get on and off a trailer.

	Economy	High	Power Difference
Cycles/hr.	264	279	5% more
Cu. yd./hr.	275	285	5% more
Cycle times (IN SECONDS)	13.5	12.7	6% more

This is the kind of production you get with the 200 LC. You'd be hard pressed to find a machine that can keep up with it in the Economy Mode, let alone the HP Mode.



Yes, the 200 LC does the heavy lifting! Push the Power Boost button on the right controller to get a 6 percent increase in lift capacity or digging force. The boost last 8 seconds, and then returns to the preselected digging pressure setting.





No other machine gives you multiple-function operation like the 200 LC. For jobs like grading just ...

1. Punch in the Grading Mode and smoothly boom-out while you begin to propel across the top of the embankment.

2. Keep propelling while you boom-up, arm-in, and curl the bucket. There won't be any hesitation or stalling in the tracks or the dig functions.



"I think Powerwise is the best engine/hydraulic management system on the market. It's sophisticated enough to react to changing digging conditions, yet it's extremely user-friendly.

Ryland Eichhorst
Senior Engineer





"A-h-h-h-h-h." The top front vent is fully adjustable. Turn it to the front to defrost the front window or to the rear to defrost the most important moving part – you!

• Gauges and indicator lights on the monitor panel keep you current on vital fluid levels and temperatures. Indicator lights alert you to potential problems or emergencies. The overheating indicator also sounds a buzzer if the coolant gets too hot.

• Four hydraulic work modes operate independently from four engine modes. The work modes regulate hydraulic flow; the engine modes control engine rpm. This lets you custom-fit performance for any job.

From the switch panel, you activate the windshield wipers, windshield washer, preoperational-check button, auto-idle button, travel-mode switch, and the buzzer-stop button. The auto-idle button saves fuel by decreasing the engine speed whenever the control levers are in neutral for 4 seconds.

• The ignition key, Mode Selector button, and engine-speed knob are beside the right armrest. Cab temperature controls are to the rear.

The retractable seal bell stays clean, dry and ready to use. (That means you won't have to choose between wearing it and getting mud on your jeans.)

• Great circulation! The 200 LC has more air vents than any machine in this class. When equipped with air conditioning, there are two at the front and four to the rear.

Habitat for productivity

The fact that the 200 LC's cab has the lowest dB(A) levels in the industry is a telling statement on where Deere stands on quiet working environments. Visibility, ventilation, and low-effort controls are other areas that reflect our commitment to making jobsites less stressful for operators.

Everywhere you look, there's another "nice touch." Another feature that makes the operator more comfortable, more productive. Things like a few more inches of leg room, or an adjustment to raise and lower the pilot controllers, or adjustable armrests may not seem important by themselves, but together they send an important message.

We owe so much to the people who run our equipment. Seems like giving them a nice place to work was the least we could do.



Six silicone-filled cab mounts isolate you from noise and vibration. That's one reason the 200 LC's cab has the lowest dBA levels in the industry. To hear what we mean, put the engine at full throttle and close the door and windows. Now you know why we put in such a great radio! (AM/FM stereo radio is standard equipment.)



Things are looking up! A huge overhead hatch gives you great visibility and ventilation.



When the action gets hot and heavy, flip open the right rear window.



It's not a seat, it's a throne! The dual-slide design lets you adjust the seat until your arms rest comfortably on the controllers and your feet sit naturally on the pedals. Next, set the angle of the seat cushion and the backrest so they're just how you want them. Then, turn the knob at the front of the seat until the cushion firmness matches your weight. (Now you're ready to rule!)

Change the angle of the armrests by adjusting the dial underneath.

Burns cleaner and meaner!

Comply or die. To manufacturers of off-road diesel engines, January 1, 1996, was a Red Letter day. That was the EPA's "drop-dead date" for meeting new, tougher emission standards.

It wasn't easy, but we're proud to say Deere's new PowerTech engines passed with flying colors. To our customers, however, compliance raised more questions than it answered. "Clean air is great," you said. "but what



Jet-spray nozzles bathe the bottom sides of pistons with cooled oil for longer life.

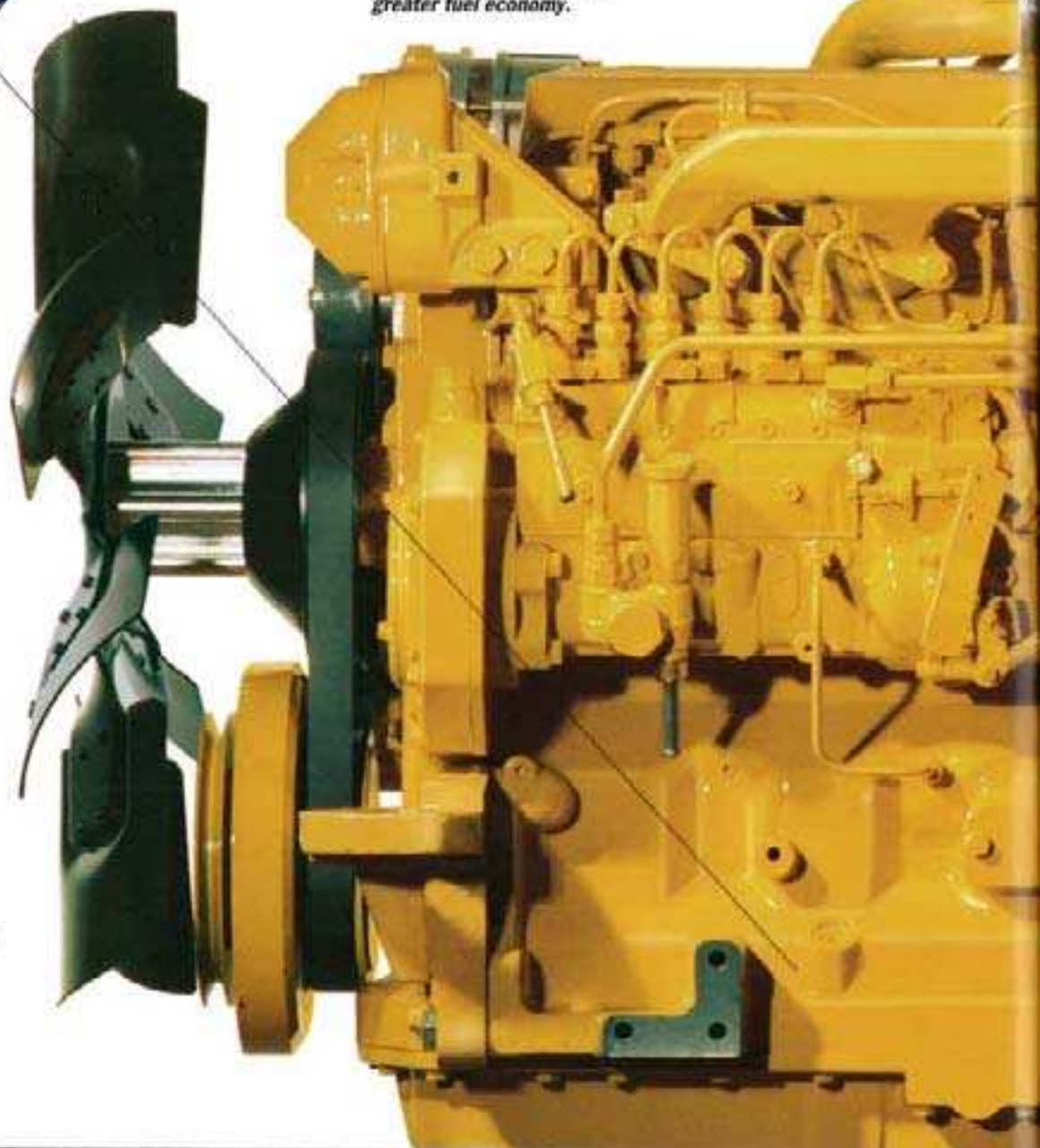
Increased-flow cylinder heads gives you more lugging power while reducing fuel consumption and smoke.

A new fan and molded venturi fan shroud are more reasons why the 200 LC runs quieter and cooler.

Plenty of oil reserve. The deep oil pan has enough capacity, to work on 100-percent (45-degree) slopes.


New Poly-vee fan drive has twice the capacity of dual-vee fan drives.

Reliable mechanical in-line injection pump meters and distributes the precise amount of fuel to each cylinder for greater fuel economy.



about performance? Reliability? Fuel economy?"

Glad you asked! Through technology, expertise, and hard work, Deere engineers have built a line of engines that do almost *everything* better. Engines that are quieter, smoother, lighter, and have more lugging power than ever before. Read on to see how the 200LC's new PowerTech engine is another reason why it's so productive, reliable and unbelievably smooth.



The spin-on, vertically mounted oil filter is equipped with bypass protection for better reliability.

New engine block is lighter for better horsepower-to-weight ratio. It's deep-skirt design makes it quieter with less vibration.

The redesigned cylinder block is both stronger and lighter. The lower end has seven main-crankshaft bearing supports for long life and quiet performance.



"People ask me if customers will notice the lower emission levels in Powertech engines. My answer is, "some will, some won't." But there's no doubt in my mind that they'll be able to feel the outstanding lugging power and improved hydraulic response."

*George Lysenko
Engine Test Engineer*

Some things never change. Wet-sleeve, individually replaceable cylinder liners are featured on PowerTech engines. You can still count on them to eliminate hot spots, provide excellent combustion seal, and ease of service.



High-ring pistons provide a high-compression ratio for efficient combustion, better fuel economy, and consistent starting.

Machines that earn r-e-s-p-e-c-t!



Longer wear. Features like heavy-duty 7.5-inch (190 mm)-pitch track components with large bushings, increased link height, and better heat treatment are what give you such long, even wear.

It never fails, but when contractors compare notes on equipment, they end up talking reliability. They'll start out discussing the latest and greatest technology, but sooner or later they begin swapping stories about machines with long track records of trouble-free service.

Right now, the 200 LC is in the "latest and greatest category," but that will change. Time is all it needs to earn the kind of respect a machine gets by doing the job day-in and day-out.

It begins at the bottom. The most expensive component to replace on an excavator is the undercarriage. That's why the 200 LC's undercarriage has strutted track links that are 40-percent stronger, and lower rollers with the largest diameter in the industry.

The 200 LC also comes with a bigger swing bearing and a boom that's built to out-lift and out-last everything in its class. Here are some more ways the 200 LC will earn your respect ...



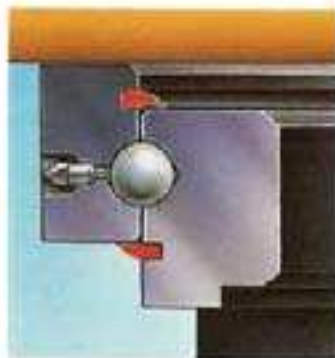
"No doubt, technology has changed how new products are developed. But what hasn't changed is how we feel about reliability. That's why major structures are designed to provide the long life that our customers have come to expect from Deere.

Clark Johnson
Product Planner

The self-cleaning, welded-X carbody has reinforced triangular track frames that shed dirt and debris. Large holes are provided to speed cleanout at the end of the day. Each track has two anti-skid steps for easier mounting and dismantling.



Hidden strength. To withstand the stress and strain of heavy lifting, three bulkhead-reinforcement plates have been welded into the boom and arm.



The swing bearing on the 200 LC is the largest in this class. It comes with upper and lower seals to protect it from contaminants. Many of our competitors don't use upper seals, which is why they have much shorter lube intervals.



The outside frame is made of heavy-gauge structural steel tubing. It forms a protective perimeter by extending beyond the sheet metal.



Large, reinforced service doors let you perform routine maintenance checks from the ground. The engine hood has two locks for vandal protection. The fuel filter, oil filter, and oil dipstick are all within easy reach.



"How productive is a down machine? The answer may seem obvious, but it's a question that led to a new strategy on parts availability. It's called Critical Parts and it says we're committed to having parts that can be removed and replaced in two hours or less on your dealer's shelf at all times. We think no one should lose an extra day of work because his dealer doesn't have a starter or a cylinder."

Bob Brock,
Director of Product Support



When we designed it, we thought of you

With heavy equipment, price doesn't necessarily equal value. Many times, *real* value doesn't become apparent until later ... long after the gratification of a lower price has worn off.

Here are some features that add value to the 200 LC. Some pay dividends right away.

Some pay off over the long run. And others add value by making the 200 LC easier to service.

What you won't see, though, is the main source of value in any Deere machine – your Deere dealer. Be sure to include a discussion on product support and parts availability in your demo experience. After all, without a good dealer, *no* machine can give you the value you deserve.

Computer or electrical malfunctions won't shut you down. If there's a problem, the hydraulic pump automatically goes to a default mode of 70 percent flow. You can set engine speed manually.

Field fix. It's comforting to know your Deere technician can come to your jobsite to fix problems. New diagnostic software speeds the process by helping him break-down electric or hydraulic glitches fast.



A hammer ... a grease gun ... tubes of grease ... wrenches ... screwdrivers ... a flashlight ... shop rags ... sun block ... The point is, lots of stuff can be stored in this handy locked compartment.

The remote lube bank lets you grease hard-to-reach pivot points from one convenient location.

Easy to be BOLD!

Some people think boom-mounted attachments are a risky investment – we think the opposite is true. That's because attachments let you diversify into profitable niche markets where competition isn't as fierce.

Another reason attachments make sense is that they widen your financial base. The added versatility helps protect you from the inevitable cyclical downturns of the construction industry.

Why not take that first bold step and sit down with a knowledgeable consultant? Someone who has good advice on things like attachment suppliers, finance options, and market niches. Someone like your John Deere dealer – call today.



Clearing grapple



Hydraulic hammer



Bucket clamp



Lift hooks



Ditch cleaning bucket



Side tilting bucket



Demolition grapple



Asphalt cutter



Barrel grapple



Ditch forming bucket



Twin head blender



Clamshell bucket



Clearing rake



Ripper tooth



Muck bucket



ENGINE**200LC**

Type.....	John Deere 6068T with altitude-compensating turbocharger
Rated power.....	140 SAE net hp (104 kW) @ 2,100 rpm
Cylinders.....	6
Displacement.....	414 cu. in. (6.785 L)
Maximum net torque.....	427 lb.-ft. (579 Nm) @ 1,300 rpm
Fuel consumption, typical.....	3 to 5 gal./hr. (11.4 to 18.9 L/h)
Cooling fan.....	suction-type
Electrical system.....	24 volt with 45-amp alternator
Batteries (two 12 volt).....	reserve capacity: 180 min.
Off-level capacity.....	100% (45 deg.)

HYDRAULIC SYSTEM

Main pumps.....	two variable-displacement axial-piston
Minimum flow.....	2 x 9.2 gpm (2 x 35 L/min.)
Maximum flow.....	2 x 52.6 gpm (2 x 199 L/min.)
Pilot pump.....	one gear
Maximum rated flow.....	8.7 gpm (33 L/min.)
Pressure setting.....	540 psi (3723 kPa)
System operating pressure.....	
Implement circuits.....	4,980 psi (34,336 kPa)
Travel circuits.....	4,980 psi (34,336 kPa)
Swing circuits.....	4,480 psi (30,888 kPa)
Power boost.....	5,260 psi (36,267 kPa)
Oil filtration.....	one 10-micron full-flow return filter with by-pass one pilot oil filter

CYLINDERS

Boom (2)	
Bore.....	4.72 in. (120 mm)
Rod diameter.....	3.35 in. (85 mm)
Stroke.....	48.03 in. (1220 mm)
Arm (1)	
Bore.....	5.12 in. (130 mm)
Rod diameter.....	3.74 in. (95 mm)
Stroke.....	58.07 in. (1475 mm)
Bucket (1)	
Bore.....	4.33 in. (110 mm)
Rod diameter.....	2.95 in. (75 mm)
Stroke.....	41.73 in. (1060 mm)

SWING MECHANISM

Swing speed.....	0-13.9 rpm
Swing torque.....	41,250 lb.-ft. (55,970 Nm)

UNDERCARRIAGE

Carrier rollers (per side).....	2
Track rollers (per side).....	8
Shoes (per side).....	49
Track guides.....	front and center
Track adjustment.....	hydraulic
Travel speed.....	
Low.....	0-2.0 mph (0-3.2 km/h)
High.....	0-1.2 mph (0-5.1 km/h)
Drawbar pull.....	42,420 lb. (19,240 kg)

GROUND PRESSURE DATA

Average ground pressure.....	
24-in. (600 mm) triple semi-grouser shoes.....	5.90 psi (40.7 kPa); recommended for rocky terrain and stamps
28-in. (700 mm) triple semi-grouser shoes.....	5.16 psi (35.6 kPa); recommended for general terrain
32-in. (800 mm) triple semi-grouser shoes.....	4.58 psi (31.6 kPa); recommended for extremely soft terrain

CAPACITIES

200LC

Fuel tank.....	80 gal. (303 L)
Cooling system.....	30 qt. (28.4 L)
Engine lubrication, including filter.....	20 qt. (19 L)
Hydraulic system.....	66 gal. (250 L)
Propel gearbox (each).....	5.5 qt. (5.2 L)

OPERATING WEIGHTS

With full fuel tank; 180-lb. (81 kg) operator; 1.12-cu. yd. (0.86 m³), 42-in. (1067 mm), 1,590-lb. (723 kg) bucket; 9 ft. 7 in. (2.91 m) arm; 9,810-lb. (4530 kg) counterweight; 14 ft. 8 in. (4.46 m) undercarriage length with 7 ft. 10 in. (2.39 m) wide gauge

24-in. (600 mm) triple semi-grouser shoes.....	43,230 lb. (19,608 kg)
28-in. (700 mm) triple semi-grouser shoes.....	44,130 lb. (20,018 kg)
32-in. (800 mm) triple semi-grouser shoes.....	44,750 lb. (20,298 kg)

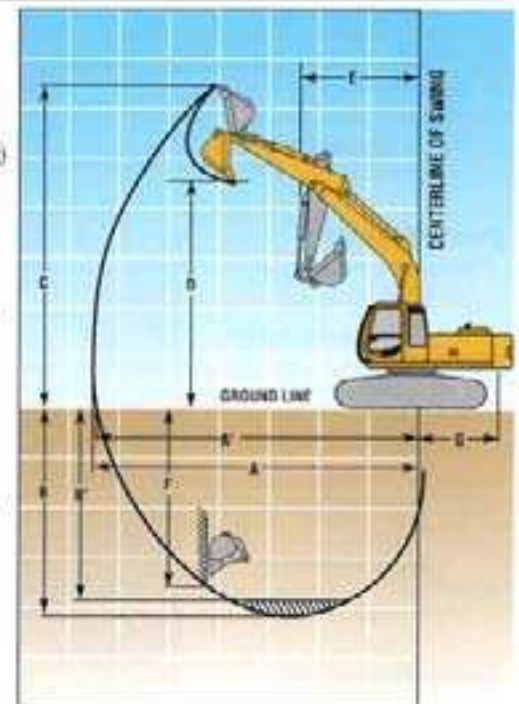
COMPONENT WEIGHTS

Upperstructure (less front attachments and 9,810-lb. [4450 kg] counterweight with full fuel tank).....	9,987 lb. (4530 kg)
Undercarriage equipped with	
24-in. (600 mm) triple semi-grouser shoes.....	15,498 lb. (7030 kg)
28-in. (700 mm) triple semi-grouser shoes.....	16,402 lb. (7440 kg)
32-in. (800 mm) triple semi-grouser shoes.....	17,019 lb. (7720 kg)
One-piece boom (with arm cylinder).....	3,395 lb. (1540 kg)
Arm with bucket cylinder and linkage	
7 ft. 3 in. (2.22 m).....	1,839 lb. (834 kg)
9 ft. 7 in. (2.91 m).....	2,024 lb. (918 kg)
Boom lift cylinders (2) total weight.....	745 lb. (338 kg)
Counterweight.....	9,810 lb. (4450 kg)

OPERATING INFORMATION

	Arm Length 7 ft. 3 in. (2.22 m)	Arm Length 9 ft. 7 in. (2.91 m)
Arm force with 1.12-cu. yd. (0.86 m ³) 42-in. (1067 mm) general-purpose bucket*.....	27,680 lb. (12,556 kg)	21,570 lb. (9784 kg)
Bucket digging force with 1.12-cu. yd. (0.86 m ³) 42-in. (1067 mm) general-purpose bucket*.....	27,580 lb. (12,510 kg)	27,580 lb. (12,510 kg)
Lifting capacity over front @ ground level 20-ft. (6.1 m) reach*.....	14,601 lb. (6623 kg)	14,799 lb. (6713 kg)
1 Maximum reach.....	30 ft. 4 in. (9.25 m)	32 ft. 6 in. (9.91 m)
1 Maximum reach @ ground level.....	29 ft. 9 in. (9.08 m)	32 ft. (9.75 m)
2 Maximum digging depth.....	19 ft. 7 in. (5.98 m)	21 ft. 11 in. (6.67 m)
2 Maximum digging depth @ 8-ft. (2.44 m) flat bottom.....	18 ft. (5.74 m)	21 ft. 4 in. (6.49 m)
3 Maximum cutting height.....	30 ft. 1 in. (9.17 m)	31 ft. 6 in. (9.60 m)
3 Maximum dumping height.....	21 ft. (6.39 m)	22 ft. 3 in. (6.78 m)
4 Minimum swing radius.....	11 ft. 7 in. (3.53 m)	11 ft. 7 in. (3.53 m)
5 Maximum vertical wall.....	16 ft. 10 in. (5.14 m)	19 ft. 10 in. (6.05 m)
6 Tail swing radius.....	9 ft. (2.75 m)	9 ft. (2.75 m)

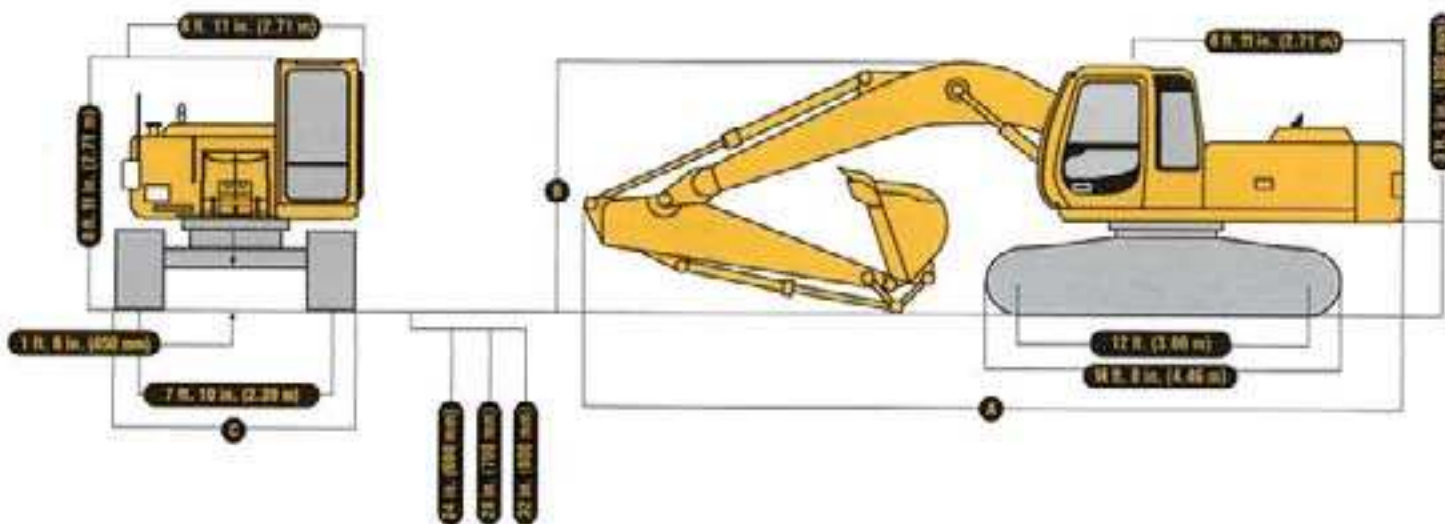
*Maximum digging force with power boost.



DIMENSIONS

200LC

- A** With 7 ft. 3 in. (2.22 m) arm 31 ft. 7 in. (9.62 m)
With 9 ft. 7 in. (2.91 m) arm 31 ft. 2 in. (9.50 m)
- B** With 7 ft. 3 in. (2.22 m) arm 10 ft. 2 in. (3.09 m)
With 9 ft. 7 in. (2.91 m) arm 9 ft. 9 in. (2.97 m)
- C** With 24-in. (600 mm) semi-grouser shoes 9 ft. 10 in. (2.99 m)
With 28-in. (700 mm) semi-grouser shoes 10 ft. 2 in. (3.09 m)
With 32-in. (800 mm) semi-grouser shoes 10 ft. 6 in. (3.19 m)



LIFT CAPACITIES

Boldface italic type indicates hydraulic limited capacities; *lightface* type indicates stability-limited capacities. In lb. (kg). Ratings at bucket lift hook, machine equipped with 1.12-cu. yd. (0.86 m³), 42-in. (1067 mm) wide, 1,590-lb. (723 kg) bucket; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. Lift capacities are with power boom and are based on SAE standard J1097.

Load Point Height	10 ft. (3.04 m)		15 ft. (4.57 m)		20 ft. (6.10 m)		25 ft. (7.62 m)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With 7 ft. 3 in. (2.22 m) arm and 24 in. (600 mm) shoes</i>								
20 ft. (6.10 m)					9,710 (4370)	7,706 (3468)		
15 ft. (4.57 m)					10,385 (4673)	7,525 (3386)		
10 ft. (3.05 m)			15,775 (7099)	11,334 (5100)	12,063 (5428)	7,079 (3180)	10,619 (4779)	4,722 (2123)
5 ft. (1.52 m)					14,045 (6320)	6,590 (2966)	10,142 (4564)	4,511 (2030)
Ground Line			22,045 (9920)	9,739 (4383)	14,109 (6349)	6,243 (2809)	9,952 (4476)	4,338 (1952)
-5 ft. (-1.52 m)			21,882 (9847)	9,676 (4354)	13,953 (6279)	6,105 (2747)	9,896 (4433)	4,286 (1929)
-10 ft. (-3.05 m)	27,077 (12 185)	20,384 (9173)	20,242 (9109)	9,831 (4423)	14,038 (6317)	6,160 (2781)		
-15 ft. (-4.57 m)			16,254 (7314)	10,254 (4614)				
<i>With 7 ft. 3 in. (2.22 m) arm and 28 in. (700 mm) shoes</i>								
20 ft. (6.10 m)					9,710 (4370)	9,710 (4370)		
15 ft. (4.57 m)					10,385 (4673)	10,385 (4673)		
10 ft. (3.05 m)			15,775 (7099)	15,775 (7099)	12,063 (5428)	9,554 (4299)	10,619 (4779)	6,602 (2971)
5 ft. (1.52 m)					14,045 (6320)	9,065 (4079)	10,157 (4661)	6,391 (2876)
Ground Line			22,045 (9920)	11,359 (5012)	14,401 (6480)	6,718 (3023)	10,167 (4573)	6,218 (2796)
-5 ft. (-1.52 m)			21,882 (9847)	11,295 (5083)	14,245 (6410)	6,580 (2981)	10,111 (4550)	6,166 (2773)
-10 ft. (-3.05 m)	27,077 (12 185)	27,077 (12 185)	20,242 (9109)	11,450 (5053)	14,988 (6745)	8,655 (3895)		
-15 ft. (-4.57 m)			16,254 (7314)	13,874 (6243)				
<i>With 7 ft. 3 in. (2.22 m) arm and 32 in. (800 mm) shoes</i>								
20 ft. (6.10 m)					9,710 (4370)	9,710 (4370)		
15 ft. (4.57 m)					10,385 (4673)	10,385 (4673)		
10 ft. (3.05 m)			15,775 (7099)	15,775 (7099)	12,063 (5428)	9,678 (4355)	10,619 (4779)	6,696 (3013)
5 ft. (1.52 m)					14,045 (6320)	9,188 (4131)	10,505 (4727)	6,485 (2916)
Ground Line			22,045 (9920)	11,540 (5093)	14,691 (6570)	6,841 (3078)	10,315 (4642)	6,312 (2840)
-5 ft. (-1.52 m)			21,882 (9847)	11,476 (5064)	14,445 (6500)	6,703 (3016)	10,259 (4617)	6,261 (2817)
-10 ft. (-3.05 m)	27,077 (12 185)	27,077 (12 185)	20,242 (9109)	11,631 (5111)	14,988 (6745)	8,779 (3951)		
-15 ft. (-4.57 m)			16,254 (7314)	14,085 (6325)				

LIFT CAPACITIES (continued)

Boldface Italic type indicates hydraulic-limited capacities; lightface type indicates stability-limited capacities, in lb. (kg). Ratings at bucket lift hook, machine equipped with 1.12 cu. yd. (0.86 m³), 42-in. (1067 mm) wide, 1,500-lb. (723 kg) bucket; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. Lift capacities are with power boost and are based on SAE standard J1077.

Load Point Height	10 ft. (3.05 m)		15 ft. (4.57 m)		20 ft. (6.10 m)		25 ft. (7.62 m)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 9 ft. 7 in. (2.91 m) arm and 24 in. (610 mm) shoes								
20 ft. (6.10 m)					8,153 (3669)	8,153 (3669)		
15 ft. (4.57 m)					8,952 (4026)		8,567 (3855)	4,973 (2259)
10 ft. (3.05 m)			13,434 (6045)	11,907 (5313)	10,763 (4843)	7,705 (3467)	9,581 (4311)	4,782 (2152)
5 ft. (1.52 m)			18,128 (8158)	10,579 (4763)	12,964 (5834)	6,093 (3012)	10,659 (4797)	4,523 (2035)
Ground line			21,161 (9522)	9,822 (4426)	14,799 (6660)	6,239 (2817)	9,916 (4462)	4,294 (1932)
-5 ft. (-1.52 m)	13,325 (5996)	13,325 (5996)	22,017 (9908)	9,567 (4305)	11,881 (5346)	6,037 (2712)	9,773 (4398)	4,163 (1873)
-10 ft. (-3.05 m)	26,298 (11 834)	19,819 (8919)	21,201 (9540)	9,609 (4324)	11,852 (5333)	6,061 (2706)	9,811 (4415)	4,196 (1889)
-15 ft. (-4.57 m)	25,787 (11 604)	20,383 (9172)	18,474 (8313)	9,807 (4454)	13,300 (5985)			

With 9 ft. 7 in. (2.91 m) arm and 28 in. (700 mm) shoes

20 ft. (6.10 m)					8,153 (3669)	8,153 (3669)		
15 ft. (4.57 m)					8,952 (4026)	8,952 (4026)	8,567 (3855)	6,851 (3085)
10 ft. (3.05 m)			13,434 (6045)	13,434 (6045)	10,763 (4843)	9,710 (4370)	9,581 (4311)	6,662 (2996)
5 ft. (1.52 m)			18,128 (8158)	14,199 (6396)	12,964 (5834)	9,168 (4126)	10,659 (4797)	6,403 (2881)
Ground line			21,161 (9522)	13,447 (6049)	14,799 (6660)	8,734 (3930)	10,121 (4555)	6,174 (2778)
-5 ft. (-1.52 m)	13,325 (5996)	13,325 (5996)	22,017 (9908)	13,187 (5934)	14,173 (6378)	8,301 (3825)	9,989 (4495)	6,043 (2719)
-10 ft. (-3.05 m)	26,298 (11 834)	26,298 (11 834)	21,201 (9540)	13,228 (5953)	14,145 (6355)	8,476 (3814)	10,026 (4512)	6,078 (2735)
-15 ft. (-4.57 m)	25,787 (11 604)	25,787 (11 604)	18,474 (8313)	13,316 (6082)	13,300 (5985)			

With 9 ft. 7 in. (2.91 m) arm and 32 in. (800 mm) shoes

20 ft. (6.10 m)					8,153 (3669)	8,153 (3669)		
15 ft. (4.57 m)					8,952 (4026)	8,952 (4026)	8,567 (3855)	6,949 (3127)
10 ft. (3.05 m)			13,434 (6045)	13,434 (6045)	10,763 (4843)	9,834 (4475)	9,581 (4311)	6,756 (3046)
5 ft. (1.52 m)			18,128 (8158)	14,580 (6471)	12,964 (5834)	9,292 (4181)	10,649 (4797)	6,497 (2924)
Ground line			21,161 (9522)	13,623 (6130)	14,799 (6660)	8,858 (3986)	10,279 (4626)	6,268 (2821)
-5 ft. (-1.52 m)	13,325 (5996)	13,325 (5996)	22,017 (9908)	13,568 (6016)	14,371 (6468)	8,625 (3881)	10,136 (4561)	6,137 (2762)
-10 ft. (-3.05 m)	26,298 (11 834)	26,298 (11 834)	21,201 (9540)	13,409 (6034)	14,345 (6455)	8,600 (3870)	10,174 (4578)	6,172 (2777)
-15 ft. (-4.57 m)	25,787 (11 604)	25,787 (11 604)	18,474 (8313)	13,697 (6164)	13,300 (5985)	8,820 (3969)		

BUCKETS

A full line of buckets is offered to meet a wide variety of applications. Buckets have an adjustable bushing for side clearance, with the exception of the ditching buckets. Tooth selection includes either the John Deere Fanggus®, Standard, Tiger, Twin Tiger, Abrasion panel, or Flare, or the ESCO (Vertrak) Standard, Tiger, Twin Tiger, or Flare tooth. Replaceable cutting edges are available through John Deere parts. Optional side cutters add 6 inches (150 mm) to bucket widths.

Type Bucket	Bucket Width		Bucket Capacity*		Weight		Bucket Dig Force**		Arm Dig Force**		Bucket Tip Radius		No. Teeth		
	in.	mm	cu. yd.	m ³	lb.	kg	lb.	kg	7 ft. 3 in. (2.22 m)	9 ft. 7 in. (2.91 m)	in.	mm			
General Purpose Plate Lip	24	600	0.59	0.45	1,306	592	27,580	12,510	27,680	12,556	21,570	9784	53.5	1410	4
	30	760	0.77	0.59	1,882	836	27,580	12,510	27,680	12,556	21,570	9784	53.5	1410	4
	36	900	0.95	0.73	1,401	635	27,380	12,510	27,680	12,556	21,570	9784	53.5	1410	5
	42	1067	1.12	0.86	1,590	721	27,580	12,510	27,680	12,556	21,570	9784	53.5	1410	5
	48	1220	1.30	0.99	1,673	759	27,580	12,510	27,680	12,556	21,570	9784	53.5	1410	6
General Purpose High Capacity	30	750	0.93	0.73	1,891	831	26,620	12,075	27,320	12,392	21,302	9662	37.5	1461	4
	36	900	1.16	0.89	1,481	658	26,620	12,075	27,320	12,392	21,302	9662	37.5	1461	5
	42	1067	1.38	1.06	1,596	724	26,620	12,075	27,320	12,392	21,302	9662	37.5	1461	5
	48	1220	1.60	1.22	1,785	809	26,620	12,075	27,320	12,392	21,302	9662	37.5	1461	6
Heavy Duty Plate Lip	24	600	0.59	0.45	1,338	616	27,580	12,510	27,680	12,556	21,570	9784	33.5	1410	4
	30	750	0.77	0.59	1,447	656	27,580	12,510	27,680	12,556	21,570	9784	33.5	1410	4
	36	900	0.95	0.73	1,367	711	27,380	12,510	27,680	12,556	21,570	9784	33.5	1410	5
	42	1067	1.12	0.86	1,676	760	27,580	12,510	27,680	12,556	21,570	9784	33.5	1410	5
	48	1220	1.30	0.99	1,759	798	27,580	12,510	27,680	12,556	21,570	9784	33.5	1410	6

BUCKETS (continued)

A full line of buckets is offered to meet a wide variety of applications. Buckets have an adjustable bushing for side clearance, with the exception of the ditching buckets. Tooth selection includes either the John Deere Fanggo®, Standard, Tiger, Twin Tiger, Abrasion panel, or Flare, or the ESCO (Vertaiski) Standard, Tiger, Twin Tiger, or Flare tooth. Replaceable cutting edges are available through John Deere parts. Optional side cutters add 6 inches (150 mm) to bucket widths.

Type Bucket	Bucket Width		Bucket Capacity*		Weight		Bucket Dig Force**		Arm Dig Force** 7 ft. 3 in. (2.22 m)		Arm Dig Force** 9 ft. 7 in. (2.91 m)		Bucket Tip Radius		No. Teeth
	in.	mm	cu. yd.	m ³	lb.	kg	lb.	kg	lb.	kg	lb.	kg	in.	mm	
Heavy-Duty	24	600	0.71	0.56	1,401	635	26,620	12,075	27,120	12,392	21,302	9662	57.5	1461	4
High Capacity	30	750	0.95	0.73	1,528	693	26,620	12,075	27,320	12,392	21,302	9662	57.5	1461	4
	36	900	1.18	0.89	1,629	739	26,620	12,075	27,320	12,392	21,302	9662	57.5	1461	5
	42	1067	1.38	1.06	1,701	771	26,620	12,075	27,320	12,392	21,302	9662	57.5	1461	5
Green-Duty	24	600	0.59	0.45	1,439	653	27,580	12,510	27,680	12,536	21,570	9784	55.5	1410	4
Cut Lip	30	750	0.77	0.59	1,551	701	27,580	12,510	27,680	12,536	21,570	9784	55.5	1410	4
	36	900	0.95	0.73	1,629	739	27,580	12,510	27,680	12,536	21,570	9784	55.5	1410	5
Severe-Duty	30	750	0.77	0.59	1,760	798	27,580	12,510	27,680	12,536	21,302	9662	55.5	1410	4
Plate Lip	36	900	0.95	0.73	1,859	843	27,580	12,510	27,680	12,536	21,302	9662	55.5	1410	4
Ditching	60	1500	0.90	0.69	1,121	508	41,370	18,765	41,520	18,833	32,355	14,676	37.0	940	0
	72	1800	1.06	0.81	1,214	561	41,370	18,765	41,520	18,833	32,355	14,676	37.0	940	0

*All capacities are SAE heaped ratings and with side cutters.

**With power boost.

BUCKET SELECTION CHART

Material (loose weight)	Recommended Bucket Size*	
	General Purpose Bucket	Heavy-Duty Bucket
Wood chips - 700 lb./cu. yd. (420 kg/m ³)	6.50 cu. yd. (5.0 m ³)	—
Peat, dry - 750 lb./cu. yd. (440 kg/m ³)	5.50 cu. yd. (4.2 m ³)	—
Cinders - 950 lb./cu. yd. (560 kg/m ³)	4.00 cu. yd. (3.1 m ³)	—
Peat, wet - 1,170 lb./cu. yd. (690 kg/m ³)	3.50 cu. yd. (2.7 m ³)	—
Topsoil - 1,600 lb./cu. yd. (950 kg/m ³)	2.30 cu. yd. (1.9 m ³)	—
Coal - 1,780 lb./cu. yd. (1050 kg/m ³)	2.25 cu. yd. (1.7 m ³)	—
Caliche - 2,100 lb./cu. yd. (1250 kg/m ³)	1.38 to 1.75 cu. yd. (1.1 to 1.3 m ³)	1.25 to 1.50 cu. yd. (1.0 to 1.1 m ³)
Earth, loam - 2,100 lb./cu. yd. (1250 kg/m ³)	1.75 cu. yd. (1.3 m ³)	1.50 cu. yd. (1.1 m ³)
Shale - 2,250 lb./cu. yd. (1330 kg/m ³)	1.75 cu. yd. (1.3 m ³)	1.50 cu. yd. (1.1 m ³)
Sand, dry - 2,400 lb./cu. yd. (1420 kg/m ³)	1.75 cu. yd. (1.3 m ³)	1.50 cu. yd. (1.1 m ³)
Clay, dry - 2,500 lb./cu. yd. (1480 kg/m ³)	1.12 to 1.50 cu. yd. (0.9 to 1.1 m ³)	1.38 cu. yd. (1.1 m ³)
Earth, dry - 2,550 lb./cu. yd. (1510 kg/m ³)	1.38 to 1.50 cu. yd. (1.1 m ³)	1.38 cu. yd. (1.1 m ³)
Limestone, broken or crushed - 2,600 lb./cu. yd. (1540 kg/m ³)	1.12 to 1.50 cu. yd. (0.9 to 1.1 m ³)	1.00 to 1.38 cu. yd. (0.8 to 1.1 m ³)
Earth, wet - 2,700 lb./cu. yd. (1600 kg/m ³)	1.50 cu. yd. (1.1 m ³)	1.38 cu. yd. (1.1 m ³)
Clay, wet - 2,800 lb./cu. yd. (1660 kg/m ³)	1.50 cu. yd. (1.1 m ³)	1.38 cu. yd. (1.1 m ³)
Rock, granite, blasted and broken - 2,800 lb./cu. yd. (1660 kg/m ³)	1.38 to 1.75 cu. yd. (1.1 to 1.3 m ³)	1.25 to 1.50 cu. yd. (1.0 to 1.1 m ³)
Sand, moist - 2,850 lb./cu. yd. (1690 kg/m ³)	1.50 cu. yd. (1.1 m ³)	1.38 cu. yd. (1.1 m ³)
Sand and gravel, dry - 2,900 lb./cu. yd. (1720 kg/m ³)	1.50 cu. yd. (1.1 m ³)	1.38 cu. yd. (1.1 m ³)
Sand, wet - 3,100 lb./cu. yd. (1840 kg/m ³)	1.38 cu. yd. (1.1 m ³)	1.25 cu. yd. (1.0 m ³)
Sand and gravel, wet - 3,400 lb./cu. yd. (2020 kg/m ³)	1.38 cu. yd. (1.1 m ³)	1.25 cu. yd. (1.0 m ³)

*Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Larger buckets may be possible when using light buckets, for flat and level operations, less compacted materials, and volume loading applications such as mass excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications and uneven surfaces. Bucket capacity indicated is SAE heaped.

	2006C		2006C	2006C
ENGINE		Engine hood	●	Interior light
Auto-idle system	●	Fuel cap	●	Mode selectors (illuminated)
Automatic belt tension device	●	Service doors	●	Power modes - four
Batteries (two 12 volt), 180-min. reserve capacity	●	Toolbox	●	Travel modes - two with automatic shift
Dual element dry-type air filter	●			Work modes - four
Electric fuel shutoff	●	FRONT ATTACHMENTS		Monitor system with alarm features
Enclosed fan guard	●	Bucket-to-arm clearance adjustable bushing (except ditching buckets)	●	Auto-idle indicator light
Conforms to SAE J1308	●	Centralized lubrication system	●	Engine air cleaner restriction indicator light
Engine coolant to -34°F (-37°C)	●	Dirt seals on all bucket pins	●	Engine coolant temperature indicator light with audible alarm
Fuel filter with water separator	●	No-boom-arm	●	Engine oil pressure indicator light with audible alarm
Full-flow oil filter	●	Arm, 7 ft. 3 in. (2.22 m)	●	Fluid level
Radiator trash screen	●	Arm, 9 ft. 7 in. (2.91 m)	●	Engine coolant level indicator light
Underhood muffler with vertical curved end exhaust stack	●	Attachment quick couplers	●	Engine oil level indicator light
Electric ether starting aid	●	Boom cylinder with plumbing to mainframe buckets	●	Hydraulic oil level indicator light
Engine coolant heater	●	Ditching	■	Low alternator charge indicator light
		General purpose	■	Low fuel indicator light
HYDRAULIC SYSTEM		General-purpose high capacity	■	Motion alarm with cancel switch
Anti-drift valve for boom down, arm in	●	Heavy duty	■	Conforms to SAE J994
Spring applied, hydraulically-released automatic swing brake	●	Heavy-duty high capacity	■	Power boost switch on right control lever
Auxiliary hydraulic and electric pilot controls	■	Severe-duty cast lip	■	Propel pedals and levers
Auxiliary hydraulic lines	■	Severe-duty plate lip	■	Seat belt, 2 in. (51 mm), retractable
Hydraulic filter restriction indicator kit	■	Side cutters and teeth	■	Seat belt, 3 in. (76 mm), retractable
Load-lowering control device	■	Heavy-duty grapple	■	Tinted glass
Single pedal propel control	■	Hydraulic bucket material clamps	■	Air conditioning
		Slide-Loc hydraulic coupler	■	Alternate pilot control pattern
UNDERCARRIAGE		Super-long front	■	Circulation fan
Planetary drive	●			Protection screens for cab front, rear, and side
Propel motor shields	●	OPERATOR'S STATION		Window vandal protection covers
Track guides, front idler and center	●	Adjustable seat with independent control positions (levers to seat, seat-to-pedals)	●	24- to 12-volt D.C. radio converters
Triple semi-grouser shoes, 32 in. (800 mm)	●	AM/FM radio	●	
Triple semi-grouser shoes, 24 in. (600 mm)	■	Deluxe suspension cloth seat with adjustable armrests	●	ELECTRICAL
Triple semi-grouser shoes, 28 in. (700 mm)	■	Front windshield wiper with intermittent speed	●	Blade-type multi-fused circuits
Two-speed propel with automatic shift	●	Gauges (illuminated)	●	By-pass start safety cover on starter
Upper carrier rollers (2)	●	Engine coolant	●	Positive terminal battery covers
		Fuel	●	Cab extension wiring harness
UPPERSTRUCTURE		Heater, 20,000 Btu/hr (5.9 kW) with blower fan	●	
Counterweight, 9,810 lb. (4415 kg)	●	Horn, electric on left control lever	●	LIGHTS
Right- and left-hand mirrors	●	Hourmeter, electric	●	Halogen work lights
Toolbox	●	Hydraulic shutoff lever, all controls	●	One mounted on boom
Vandal locks with ignition key	●			One mounted on frame
Cab door	●			

KEY: ● Standard equipment ■ Optional or special equipment

THE JDAdvantEDGE

JDAdvantEdge is a wealth of support programs, parts systems, and dealer resources, all designed to give you the edge. This package of special benefits is a major reason why John Deere offers the "best value" for your equipment dollar.

Best parts support - Twelve regional parts depots in North America and others around the world put parts support near your job no matter where in the world it is.

A computerized FLASH™ parts locating system linking these depots to dealerships can find out-of-stock parts in a hurry and get them into your hands fast - within 24 hours, across North America.

Best service backup - Dealer service technicians are regularly schooled, at our modern facility in Davenport, Iowa, or by professionals in the field, to diagnose quickly and repair efficiently.

If they're stumped, a phone call to DTAC (Dealer Technical Assistance Center) puts them in touch with a staff of pros at the factory who help them find a solution quickly.

Best dealers - Your John Deere dealer is an important contributor to the JDAdvantEdge. He or she is committed to being the best equipment supplier you can work with.

This is a dollars-and-cents commitment in parts inventory, in service facilities, in field-service trucks. It's a sweat-and-blood commitment in dedicated, skilled, and highly trained and motivated personnel in each and every department at the dealership.

But what sets John Deere dealers apart from all the rest is something more, a factor somewhat difficult to measure ... a caring attitude, and a sincere desire to be the best at meeting the needs of each individual customer.

John Deere Finance Plans - Whether you rent, lease, or buy John Deere equipment, your dealer can explain the John Deere options available. One-stop options that let you free up operating capital, keep other lines of credit open. More solid benefits of the JDAdvantEdge.

Best protection - In addition to the new equipment warranty that meets or exceeds the competition, SECURE® extended coverage, an optional service product for John Deere equipment, is available for repair coverage after the warranty concludes. Full machine or power train coverage is available for a variety of time periods to meet your needs. Consult your dealer for availability and details.



Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 07708, using No. 2-D fuel at 25 MPH grade. No derating is required up to 13,000 ft. (3960 m) altitude. Gross power is without cooling fan.

Specifications and design subject to change without notice. Whenever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with 47 in. (1167 mm) bucket, 32 in. (800 mm) track shoes, 9,810 lb. (4450 kg) counterweight, full fuel tank, and 180-lb. (81 kg) operator.

