



2 0 M E T R I C T O N

D

EXCAVATOR

200D LC





Arm yourself to get more done.

When you're ready to take aim at your bottom line, arm yourself with the 200D LC. Stronger and faster than before, this 20-metric-ton excavator is loaded with enhancements that not only increase productivity and uptime, but lower daily operating costs, too. A high-efficiency "on-demand" cooling system,

Tier 3 PowerTech E™ diesel engine, advanced multi-function monitor, and more spacious cab with 47-percent more tinted glass headline the long list of advances. Delivering the power, smoothness, and control you expect from a John Deere, the 200D LC comes with everything you need to get more done.



- 200D LC delivers more swing torque, drawbar pull, and lift capability, with less emissions and noise.
- Extended engine and hydraulic fluid service intervals increase uptime and reduce daily operating costs.
- Redesigned cab combines more legroom and tinted glass for unsurpassed comfort and visibility.
- Powerwise III™ engine/hydraulic management system maximizes power output, saves fuel, and delivers smooth multifunction hydraulic operation.
- Hydraulically driven fan runs only as needed, reducing noise, fuel consumption, and operating costs. Reversing option automatically back-blows cooler cores to reduce debris buildup.
- Fuel-efficient Tier 3 emission-certified PowerTech E diesel delivers power without compromise in all conditions.

Specifications	200D LC
Net Power.....	159 hp
Operating Weight	49,940 lb.
Lift Capacity	14,248 lb.
Digging Depth	21 ft. 11 in.
Arm Breakout Force	22,924 lb.

Noise levels — and operator fatigue — have been significantly reduced. Variable-speed fan, dual-pass muffler, and isochronous high-idle speed help quiet things down.

Additional hydraulic capability a necessity? Two factory-installed high-pressure, high-flow auxiliary hydraulic packages enable you to meet the need.

Who says you can't always get what you want? Choose from a variety of track widths, arm lengths, buckets, and other options.

Changing hydraulic flow is pushbutton easy through the monitor. Accommodates a wide variety of attachment needs, right from the seat.



1. Powerwise III perfectly balances engine performance and hydraulic flow for smooth multifunction operation and fast cycles. One work mode makes it easy to be productive in any application.



2. Generous hydraulic flow combined with increased swing torque help you load more trucks or open more trench.



3. For finesse work like setting pipe, the 200D LC's best-in-class metering and smooth multifunction operation give you the precise, predictable control you need.



4. When the digging gets tough, simply press the power-boost button for additional hydraulic muscle.





Hungry for productivity?

The 200D LC will satisfy your appetite. Faster hydraulics combined with increased lift capacity, swing torque, and drawbar pull enable you to pile more work on your plate. You'll enjoy typical John Deere finesse, thanks to the Powerwise III

engine/hydraulic management system that delivers pinpoint metering and predictable smooth-as-silk low-effort control. And with numerous noise reducing features, the 200D LC quietly goes about its business of making you more productive. Dig in!



More room. More comfort. More done.

Want your operators to be more productive? Put them in their place — behind the controls of a 200D LC. Its spacious well-appointed interior boasts more of everything. A wider expanse of tinted glass for virtually unrestricted visibility. More peace and quiet. Substantially

more legroom. And numerous creature comforts and conveniences including automatic climate control, AM/FM radio, ample storage, and available heated air-suspension seat. The 200D LC delivers more of everything your operators need to do their best.



Deluxe-suspension multi-position seat has 10½ inches of travel, sliding together or independent of the control console. So it won't cramp an operator's style.

Ergonomically designed short-throw pilot levers provide smooth, predictable fingertip control with less movement and effort.

Go from backhoe- to SAE-style controls with just a twist of your wrist. Optional lockable control pattern selector valve comes factory-installed.

Pushbuttons in the right lever allow fingertip control of auxiliary hydraulic flow for operating attachments.

Convenient 12-volt port powers cell phones and other electronic devices.

Redesigned cab isn't just roomier, it's also noticeably quieter and more comfortable. Silicone-filled cab mounts effectively isolate operators from noise and vibration.

1. Forty-seven-percent more glass, narrow front cab posts, large tinted overhead hatch, and numerous mirrors provide virtually unobstructed all-around visibility.
2. No shortage of storage in here. There's a place for a cooler, cup holders, and even a hot/cold box that keeps refreshments at just the right temperature.
3. Automatic, high-velocity bi-level climate-control system with automotive-style adjustable louvers helps keep the glass clear and the cab comfortable.
4. Intuitive, multi-language monitor with four-color LCD screen provides a wealth of info and control. Displays operating, diagnostic, and maintenance data with easy-on-the-eyes clarity.



Optional reversing fan automatically back-blows cooler cores to reduce debris buildup. It's a welcome addition that will increase uptime.

Graphite-iron wet-sleeve cylinder liners, mono-steel pistons, and large-diameter connecting rods ensure long-term engine durability.

Oil-impregnated bushings enhance durability and extend grease intervals to 500 hours (100 hours for the bucket joint). Reinforced resin thrust plates increase boom lube intervals to 500 hours.

Welded bulkheads within the boom resist torsional stress. Boom, arms, and mainframe are so tough, they're warranted for three years or 10,000 hours.

Tungsten-carbide coating creates an extremely wear-resistant surface to protect the all-important bucket-to-arm joint.



1

1. With large idlers, rollers, and struted links, the 200D LC's sealed and lubricated undercarriage delivers long and reliable performance.



2

2. Rigid, reinforced D-channel side frames resist impact, providing maximum cab and component protection.



3

3. Perforations in the hood and side shields serve as a "first filter," preventing trash entry. Anything that passes through will also clear the cooler cores.



4

4. Box-section track frames, thick-plate single-sheet mainframe, and large swing bearing deliver rock-solid durability.





Nothing runs like a Deere, because nothing is built like one.

Unlike some excavators that scream for attention, the 200D LC's hydraulically driven on-demand fan runs only as needed, reducing noise and fuel consumption. The highly efficient system keeps things running cool, even in high-trash environments and high altitudes.

Other traditional John Deere durability features include tungsten-carbide thermal-coated arm surfaces, oil-impregnated bushings, and welded-boom bulkheads. For maximum uptime, shift after productive shift, month after month. When you know how they're built, you'll run a Deere.

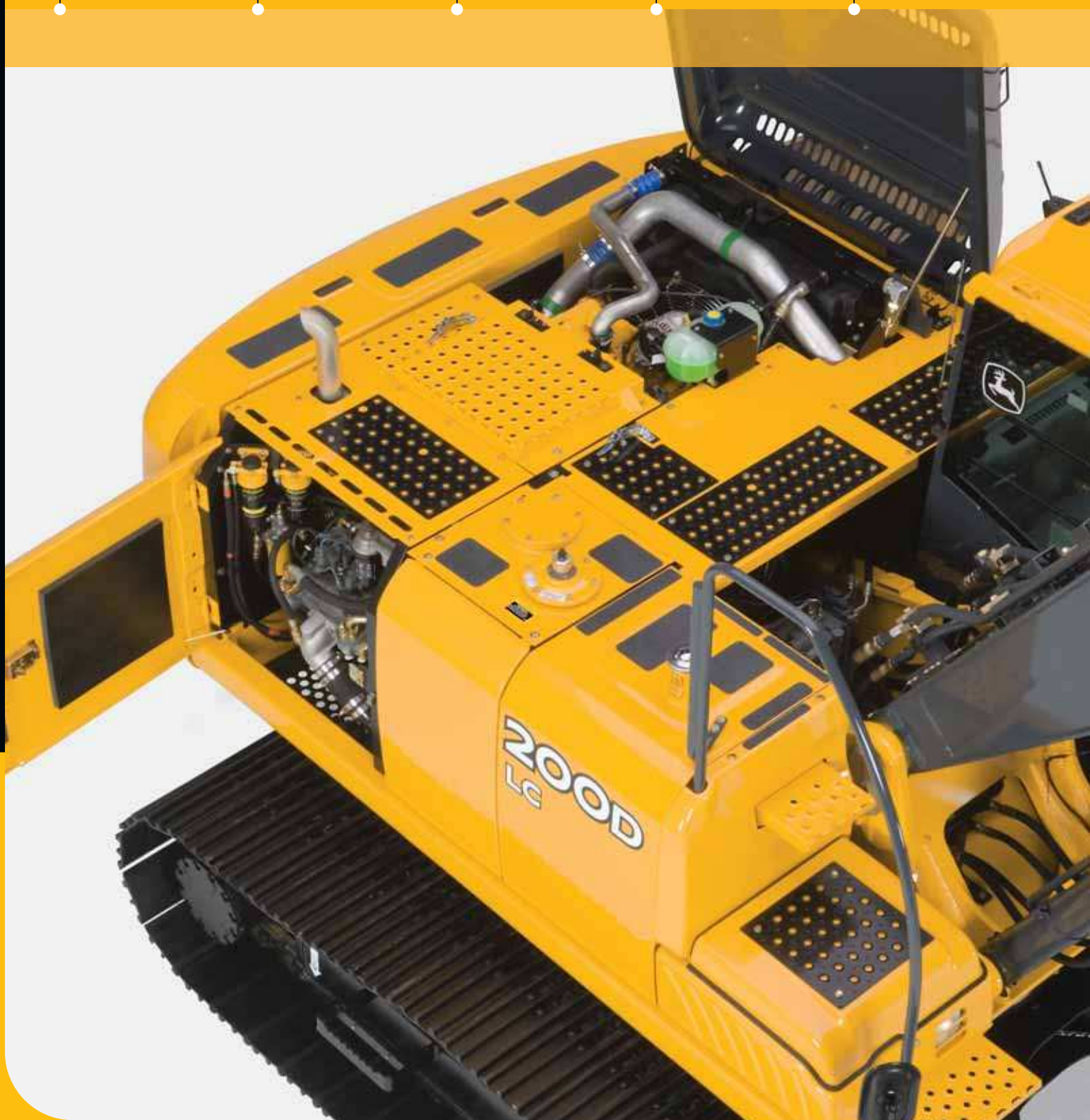
Machine Information Center (MIC) captures and stores vital machine performance and utilization data to help improve uptime, productivity, and profit.

Auto-idle automatically reduces engine speeds when hydraulics aren't in use, making the most of every precious drop of fuel.

Large, easy-to-open doors provide quick access to service items. Lube banks, filters, and checkpoints are grouped for added convenience.

Large fuel tank and 500- and 5,000-hour engine and hydraulic oil-service intervals enable the 200D LC to work longer between stops for service.

Fluid-level sight gauges are conveniently located and can be checked at a glance.



Uncover new ways to keep costs down.

As with all John Deere machines, the 200D LC is loaded with features that make it hassle free to service and low cost to maintain. Large, easy-to-open service doors and easy-access service points make quick work of the daily routine. Remote-mounted vertical oil and fuel filters and extended

engine and hydraulic oil-change intervals minimize maintenance, too. Plus the Machine Information Center, a state-of-the-art LCD color monitor, and fluid-sample ports help you make timely decisions about machine upkeep — and maximize uptime, productivity, and profits.

1. Vertical spin-on engine oil and fuel/water filters in the right rear compartment allow ground-level servicing.

2. Easy-to-navigate LCD color monitor tracks up to 14 maintenance intervals and lets an operator check any of 32 machine operating parameters at the touch of a button.

3. Centralized lube banks place difficult-to-lube zerks within easy reach, for faster greasing with less mess.

4. Fresh-air cab filter is quickly serviced from outside the cab where it's more likely to get done.

5. Wide-fin spacing lets trash easily pass through cores to resist plugging. Hinged, swing-out coolers provide additional access.

6. Remote diagnostic and fluid-sample ports located in the pump compartment help speed preventative maintenance and troubleshooting.



Specifications

Engine **200D LC**

Manufacturer and Model	John Deere 6068H
Non-Road Emission Standards	certified to EPA Tier 3 emissions
Net Power (ISO9249)	159 hp (118 kW) @ 2,000 rpm
Cylinders	6
Displacement	414 cu. in. (6.8 L)
Aspiration	turbocharged, air-to-air charge air cooler
Off-Level Capacity	100% (45 deg.)

Cooling

Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive

Powertrain

Maximum Travel Speed	
Low	2.2 mph (3.5 km/h)
High	3.4 mph (5.5 km/h)

Hydraulics

Open center, load sensing; auxiliary hydraulic flow adjustable through monitor

Main Pumps 2 variable-displacement axial-piston pumps
Maximum Pump Flow 2 x 56.0 gpm (2 x 212 L/min.)

Pilot Pump one gear
Maximum Rated Flow 7.9 gpm (30 L/min.)
Pressure Setting 580 psi (3999 kPa)

System Operating Pressure
Implement Circuits 4,980 psi (34 336 kPa)
Travel Circuits 4,980 psi (34 336 kPa)
Swing Circuits 4,980 psi (34 336 kPa)
Power Boost 5,270 psi (36 335 kPa)

Controls pilot levers, short stroke, low effort; hydraulic pilot controls with shutoff lever

Cylinders

Heat-treated, chrome-plated, polished cylinder rods; hardened-steel (replaceable bushings) pivot pins

	<i>Bore</i>	<i>Rod Diameter</i>	<i>Stroke</i>
Boom (2)	4.72 in. (120 mm)	3.35 in. (85 mm)	49.61 in. (1260 mm)
Arm (1)	5.31 in. (135 mm)	3.74 in. (95 mm)	58.07 in. (1475 mm)
Bucket (1)	4.53 in. (115 mm)	3.15 in. (80 mm)	41.73 in. (1060 mm)

Electrical

Batteries	2 x 12 volt
Reserve Capacity	440 min.
Alternator	80 amp
Lights	halogen (one mounted on boom, one mounted on frame)

Undercarriage

Carrier Rollers (per side)	2
Track Rollers (per side)	8
Shoes (per side)	49
Drawbar Pull	45,620 lb. (20 711 kg)
Track	
Adjustment	hydraulic
Chain	sealed and lubricated

Swing Mechanism

Swing Speed	13.3 rpm
Swing Torque	50,662 lb.-ft. (68 900 Nm)

Ground Pressure

200D LC

Triple Semi-Grouser Shoes	
24 in. (600 mm)	6.87 psi (47.4 kPa)
28 in. (700 mm)	6.08 psi (41.9 kPa)
32 in. (800 mm)	5.30 psi (36.5 kPa)

Serviceability

Refill Capacities

Fuel Tank	106 gal. (400.0 L)
Cooling System	27.6 qt. (26.1 L)
Engine Oil with Filter	24 qt. (23.0 L)
Hydraulic Tank	36 gal. (135.0 L)
Hydraulic System	63.4 gal. (240.0 L)
Gearbox	
Propel (each)	7.2 qt. (6.8 L)
Swing	7.0 qt. (6.2 L)
Pump Drive	1.1 qt. (1.0 L)

Operating Weights

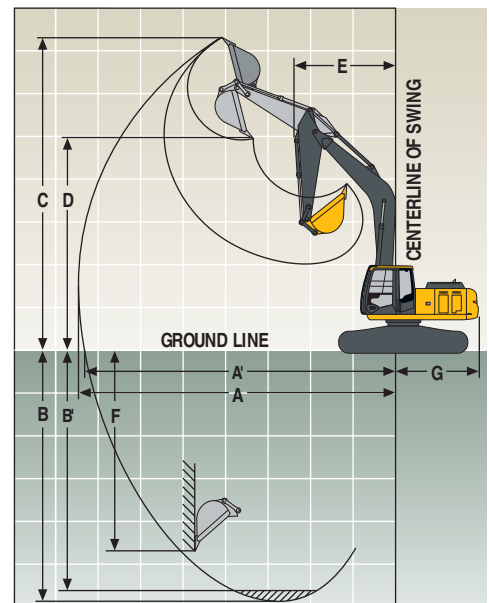
With Full Fuel Tank; 175-lb. (79 kg) Operator;
 42-in. (1065 mm), 1.19-cu.-yd. (0.91 m³),
 1,951-lb. (886 kg) Heavy-Duty Bucket; 9-ft.
 7-in. (2.91 m) Arm; 10,463-lb. (4750 kg)
 Counterweight; and 32-in. (800 mm) Triple
 Semi-Grouser Shoes 49,940 lb. (22 673 kg)

Optional Components

Undercarriage with Triple Semi-Grouser Shoes
 24 in. (600 mm) 16,196 lb. (7353 kg)
 28 in. (700 mm) 17,056 lb. (7743 kg)
 32 in. (800 mm) 17,704 lb. (8038 kg)
 Upperstructure with Full Fuel Tank (less front
 attachments, boom lift cylinders [2], and
 10,463-lb. [4750 kg] counterweight) 12,222 lb. (5549 kg)
 One-Piece Boom (with arm cylinder) 3,815 lb. (1732 kg)
 Arm with Bucket Cylinder and Linkage
 7 ft. 11 in. (2.42 m) 2,044 lb. (928 kg)
 9 ft. 7 in. (2.91 m) 2,181 lb. (990 kg)
 Boom Lift Cylinders (2) Total Weight 750 lb. (341 kg)
 42-in. (1065 mm), 1.19-cu.-yd. (0.91 m³) Heavy-
 Duty Bucket 1,951 lb. (886 kg)
 Counterweight (standard) 10,463 lb. (4750 kg)

Operating Dimensions

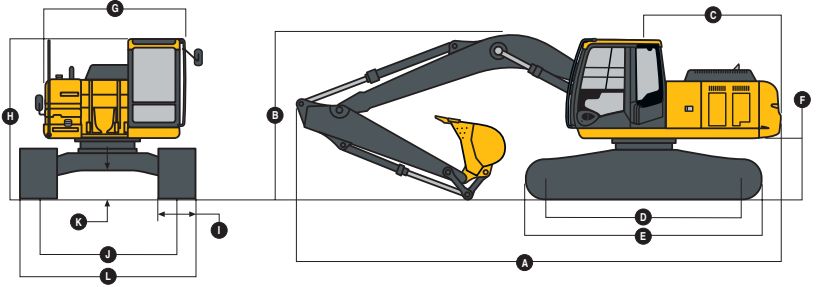
	<i>Arm Length</i> 7 ft. 11 in. (2.42 m)	<i>Arm Length</i> 9 ft. 7 in. (2.91 m)
Arm Force with 42-in. (1065 mm) Heavy-Duty Bucket with Power Boost	27,877 lb. (124.0 kN)	22,924 lb. (102.0 kN)
Bucket Digging Force with 42-in. (1065 mm) 1.19-cu.-yd. (0.91 m ³) Heavy-Duty Bucket with Power Boost	29,099 lb. (129.4 kN)	29,099 lb. (129.4 kN)
Lifting Capacity Over Front at Ground Level 20-ft. (6.1 m) Reach with Power Boost	14,533 lb. (6598 kg)	14,248 lb. (6469 kg)
A Maximum Reach	30 ft. 11 in. (9.43 m)	32 ft. 7 in. (9.92 m)
A' Maximum Reach at Ground Level	30 ft. 4 in. (9.25 m)	32 ft. 0 in. (9.75 m)
B Maximum Digging Depth	20 ft. 3 in. (6.18 m)	21 ft. 11 in. (6.68 m)
B' Maximum Digging Depth at 8-ft. (2.44 m) Flat Bottom	19 ft. 6 in. (5.95 m)	21 ft. 4 in. (6.50 m)
C Maximum Cutting Height	31 ft. 9 in. (9.67 m)	32 ft. 11 in. (10.04 m)
D Maximum Dumping Height	22 ft. 5 in. (6.83 m)	23 ft. 7 in. (7.18 m)
E Minimum Swing Radius	10 ft. 9 in. (3.28 m)	10 ft. 5 in. (3.18 m)
F Maximum Vertical Wall	17 ft. 5 in. (5.30 m)	19 ft. 8 in. (5.99 m)
G Tail Swing Radius	9 ft. 0 in. (2.75 m)	9 ft. 0 in. (2.75 m)



Machine Dimensions

200D LC

	Arm Length 7 ft. 11 in. (2.42 m)	Arm Length 9 ft. 7 in. (2.91 m)
A Overall Length	31 ft. 6 in. (9.60 m)	31 ft. 3 in. (9.53 m)
B Overall Height	10 ft. 5 in. (3.18 m)	9 ft. 8 in. (2.95 m)
C Rear-End Length/Swing Radius	9 ft. 0 in. (2.75 m)	
D Distance Between Idler/Sprocket Centerline	12 ft. 0 in. (3.67 m)	
E Undercarriage Length	14 ft. 8 in. (4.46 m)	
F Counterweight Clearance	3 ft. 5 in. (1031 mm)	
G Upperstructure Width	8 ft. 11 in. (2.71 m)	
H Cab Height	9 ft. 8 in. (2.95 m)	
I Track Width with Triple Semi-Grouser Shoes	24 in. (600 mm) / 28 in. (700 mm) / 32 in. (800 mm)	
J Gauge Width	7 ft. 10 in. (2.39 m)	
K Ground Clearance	18 in. (450 mm)	
L Overall Width with Triple Semi-Grouser Shoes	24 in. (600 mm) 9 ft. 10 in. (2.99 m) 28 in. (700 mm) 10 ft. 2 in. (3.09 m) 32 in. (800 mm) 10 ft. 6 in. (3.19 m)	



Lift Charts

Boldface italic type indicates hydraulic-limited capacities; lightface type indicates stability-limited capacities, in lb. (kg). Ratings are at bucket lift hook, using 1.19-cu.-yd. (0.91 m³) bucket; standard counterweight, situated on firm, level, uniform supporting surface. Figures do not exceed 87 percent of hydraulic capacity or 75 percent of weight needed to tip machine.

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
<i>With 7-ft. 11-in. (2.42 m) arm and 24-in. (600 mm) triple semi-grouser shoes</i>								
20 ft. (6.10 m)					9,001 (4083)	9,001 (4083)		
15 ft. (4.57 m)			11,212 (5086)	11,212 (5086)	9,795 (4443)	9,795 (4443)	9,278 (4208)	6,969 (3161)
10 ft. (3.05 m)			15,341 (6959)	15,341 (6959)	11,500 (5216)	9,829 (4458)	9,847 (4467)	6,777 (3074)
5 ft. (1.52 m)					13,340 (6051)	9,286 (4212)	10,538 (4780)	6,525 (2960)
Ground Line			20,586 (9338)	13,722 (6224)	14,533 (6592)	8,913 (4043)	10,321 (4682)	6,326 (2869)
-5 ft. (-1.52 m)			20,010 (9076)	13,666 (6199)	14,507 (6580)	8,770 (3978)	10,246 (4648)	6,258 (2839)
-10 ft. (-3.05 m)	20,215 (9169)	20,215 (9169)	18,022 (8175)	13,840 (6278)	13,444 (6098)	8,849 (4014)		
-15 ft. (-4.57 m)	17,763 (8057)	17,763 (8057)	13,813 (6265)	13,813 (6265)				
<i>With 7-ft. 11-in. (2.42 m) arm and 28-in. (700 mm) triple semi-grouser shoes</i>								
20 ft. (6.10 m)					9,001 (4083)	9,001 (4083)		
15 ft. (4.57 m)			11,212 (5086)	11,212 (5086)	9,795 (4443)	9,795 (4443)	9,278 (4208)	7,099 (3220)
10 ft. (3.05 m)			15,341 (6959)	15,341 (6959)	11,500 (5216)	10,000 (4536)	9,847 (4467)	6,907 (3133)
5 ft. (1.52 m)					13,340 (6051)	9,457 (4290)	10,677 (4843)	6,655 (3019)
Ground Line			20,586 (9338)	13,972 (6338)	14,533 (6592)	9,084 (4120)	10,525 (4774)	6,456 (2928)
-5 ft. (-1.52 m)			20,010 (9076)	13,916 (6312)	14,669 (6654)	8,941 (4056)	10,450 (4740)	6,388 (2898)
-10 ft. (-3.05 m)	20,215 (9169)	20,215 (9169)	18,022 (8175)	14,091 (6392)	13,444 (6098)	9,020 (4091)		
-15 ft. (-4.57 m)	17,763 (8057)	17,763 (8057)	13,813 (6265)	13,813 (6265)				
<i>With 7-ft. 11-in. (2.42 m) arm and 32-in. (800 mm) triple semi-grouser shoes</i>								
20 ft. (6.10 m)					9,001 (4083)	9,001 (4083)		
15 ft. (4.57 m)			11,212 (5086)	11,212 (5086)	9,795 (4443)	9,795 (4443)	9,278 (4208)	7,199 (3265)
10 ft. (3.05 m)			15,341 (6959)	15,341 (6959)	11,500 (5216)	10,132 (4596)	9,847 (4467)	7,008 (3179)
5 ft. (1.52 m)					13,340 (6051)	9,589 (4349)	10,677 (4843)	6,755 (3064)
Ground Line			20,586 (9338)	14,165 (6425)	14,533 (6592)	9,216 (4180)	10,682 (4845)	6,557 (2974)
-5 ft. (-1.52 m)			20,010 (9076)	14,109 (6400)	14,669 (6654)	9,073 (4115)	10,607 (4811)	6,488 (2943)
-10 ft. (-3.05 m)	20,215 (9169)	20,215 (9169)	18,022 (8175)	14,284 (6479)	13,444 (6098)	9,153 (4152)		
-15 ft. (-4.57 m)	17,763 (8057)	17,763 (8057)	13,813 (6265)	13,813 (6265)				
<i>With 9-ft. 7-in. (2.91 m) arm and 24-in. (600 mm) triple semi-grouser shoes</i>								
20 ft. (6.10 m)					8,048 (3651)	8,048 (3651)		
15 ft. (4.57 m)					8,970 (4069)	8,970 (4069)	8,574 (3889)	7,158 (3247)
10 ft. (3.05 m)			13,847 (6281)	13,847 (6281)	10,757 (4879)	10,049 (4558)	9,329 (4232)	6,922 (3140)
5 ft. (1.52 m)			18,108 (8214)	14,549 (6599)	12,766 (5791)	9,454 (4288)	10,309 (4676)	6,632 (3008)
Ground Line			20,308 (9212)	13,829 (6273)	14,248 (6463)	9,007 (4086)	10,390 (4713)	6,389 (2898)
-5 ft. (-1.52 m)	14,425 (6543)	14,425 (6543)	20,412 (9259)	13,633 (6184)	14,529 (6590)	8,789 (3987)	10,251 (4650)	6,263 (2841)
-10 ft. (-3.05 m)	23,940 (10 859)	23,940 (10 859)	18,971 (8605)	13,728 (6227)	14,028 (6363)	8,795 (3989)	10,316 (4679)	6,321 (2867)
-15 ft. (-4.57 m)	20,943 (9500)	20,943 (9500)	15,628 (7089)	14,083 (6388)	11,249 (5102)	9,073 (4115)		

Lift Charts (continued)

200D LC

Boldface italic type indicates hydraulic-limited capacities; lightface type indicates stability-limited capacities, in lb. (kg). Ratings are at bucket lift hook, using 1.19-cu.-yd. (0.91 m³) bucket; standard counterweight, situated on firm, level, uniform supporting surface. Figures do not exceed 87 percent of hydraulic capacity or 75 percent of weight needed to tip machine.

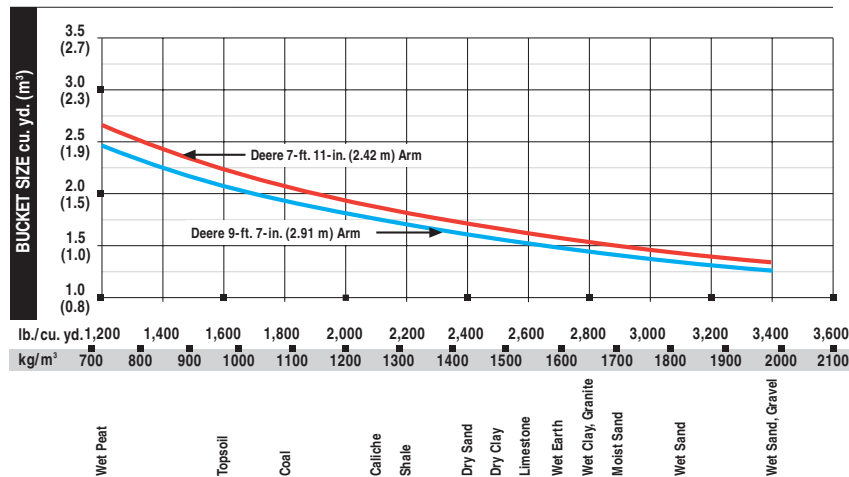
Load Point Height	10 ft. (3.05 m)		15 ft. (4.57 m)		20 ft. (6.10 m)		25 ft. (7.62 m)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With 9-ft. 7-in. (2.91 m) arm and 28-in. (700 mm) triple semi-grouser shoes</i>								
20 ft. (6.10 m)					8,048 (3651)	8,048 (3651)		
15 ft. (4.57 m)					8,970 (4069)	8,970 (4069)	8,574 (3889)	7,288 (3306)
10 ft. (3.05 m)			13,847 (6281)	13,847 (6281)	10,757 (4879)	10,221 (4636)	9,329 (4232)	7,052 (3199)
5 ft. (1.52 m)			18,108 (8214)	14,799 (6713)	12,766 (5791)	9,625 (4366)	10,309 (4676)	6,762 (3067)
Ground Line			20,308 (9212)	14,079 (6386)	14,248 (6463)	9,178 (4163)	10,593 (4805)	6,519 (2957)
-5 ft. (-1.52 m)	14,425 (6543)	14,425 (6543)	20,412 (9259)	13,883 (6297)	14,751 (6691)	8,960 (4064)	10,455 (4742)	6,393 (2900)
-10 ft. (-3.05 m)	23,940 (10 859)	23,940 (10 859)	18,971 (8605)	13,978 (6340)	14,028 (6363)	8,966 (4067)	10,316 (4679)	6,451 (2926)
-15 ft. (-4.57 m)	20,943 (9500)	20,943 (9500)	15,628 (7089)	14,334 (6502)	11,249 (5102)	9,244 (4193)		
<i>With 9-ft. 7-in. (2.91 m) arm and 32-in. (800 mm) triple semi-grouser shoes</i>								
20 ft. (6.10 m)					8,048 (3651)	8,048 (3651)		
15 ft. (4.57 m)					8,970 (4069)	8,970 (4069)	8,574 (3889)	7,389 (3352)
10 ft. (3.05 m)			13,847 (6281)	13,847 (6281)	10,757 (4879)	10,353 (4696)	9,329 (4232)	7,152 (3244)
5 ft. (1.52 m)			18,108 (8214)	14,992 (6800)	12,766 (5791)	9,758 (4426)	10,309 (4676)	6,862 (3113)
Ground Line			20,308 (9212)	14,272 (6474)	14,248 (6463)	9,310 (4223)	10,750 (4876)	6,619 (3002)
-5 ft. (-1.52 m)	14,425 (6543)	14,425 (6543)	20,412 (9259)	14,076 (6385)	14,751 (6691)	9,092 (4124)	10,612 (4814)	6,493 (2945)
-10 ft. (-3.05 m)	23,940 (10 859)	23,940 (10 859)	18,971 (8605)	14,171 (6428)	14,028 (6363)	9,098 (4127)	10,316 (4679)	6,552 (2972)
-15 ft. (-4.57 m)	20,943 (9500)	20,943 (9500)	15,628 (7089)	14,527 (6589)	11,249 (5102)	9,376 (4253)		

Buckets

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Replaceable cutting edges are available through John Deere parts. Optional side cutters add 6 inches (150 mm) to bucket widths. Capacities are SAE heaped ratings.

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.	kN	7 ft. 11 in. (2.42 m)	9 ft. 7 in. (2.91 m)	lb.	mm			
General-Purpose	30	760	0.79	0.60	1,432	650	28,904	128.6	27,806	123.7	22,873	101.7	58.00	1473	4
High Capacity	36	915	1.00	0.76	1,621	736	28,904	128.6	27,806	123.7	22,873	101.7	58.00	1473	5
	42	1065	1.22	0.93	1,790	813	28,904	128.6	27,806	123.7	22,873	101.7	58.00	1473	5
	48	1220	1.43	1.09	1,976	897	28,904	128.6	27,806	123.7	22,873	101.7	58.00	1473	6
Heavy Duty	24	610	0.52	0.40	1,197	543	29,099	129.4	27,877	124.0	22,924	102.0	57.61	1463	4
	30	760	0.71	0.54	1,369	622	29,099	129.4	27,877	124.0	22,924	102.0	57.61	1463	4
	36	915	0.90	0.69	1,559	708	29,099	129.4	27,877	124.0	22,924	102.0	57.61	1463	5
	42	1065	1.09	0.83	1,731	786	29,099	129.4	27,877	124.0	22,924	102.0	57.61	1463	5
Heavy-Duty High Capacity	48	1220	1.29	0.99	1,921	872	29,099	129.4	27,877	124.0	22,924	102.0	57.61	1463	6
	24	610	0.56	0.43	1,424	646	28,904	128.6	27,806	123.7	22,873	101.7	58.00	1473	4
	30	760	0.76	0.58	1,593	723	28,904	128.6	27,806	123.7	22,873	101.7	58.00	1473	4
	36	915	0.97	0.74	1,782	809	28,904	128.6	27,806	123.7	22,873	101.7	58.00	1473	5
Ditching	42	1065	1.19	0.91	1,951	886	28,904	128.6	27,806	123.7	22,873	101.7	58.00	1473	5
	60	1524	1.14	0.87	1,271	577	40,279	179.2	31,133	138.5	25,271	112.4	41.62	1057	0

Bucket Selection Guide*



*Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, 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, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

200D LC EXCAVATOR

Key: ● Standard equipment ▲ Optional equipment

*See your John Deere dealer for further information.

200D LC Engine

- Certified to EPA Tier 3 emissions
- Auto-idle system
- Automatic belt tension device
- Batteries (two 12 volt), 440-min. reserve capacity
- Coolant recovery tank
- Dual-element dry-type air filter
- Electronic engine control
- Enclosed fan guard (conforms to SAE J1308)
- Engine coolant to -34°F (-37°C)
- Fuel filter with water separator
- Full-flow oil filter
- Turbocharger with charge air cooler
- Muffler, under hood, with vertical curved end exhaust stack
- Cool-on-demand hydraulic-driven fan
- 500-hour engine oil-change interval
- 100% (45 deg.) off-level capability
- Engine-oil-sampling valve
- ▲ Hydraulic fan reverser
- ▲ Engine coolant heater

Hydraulic System

- Reduced-drift valve for boom down, arm in
- Auxiliary hydraulic valve section
- Spring-applied, hydraulically released automatic swing brake
- Auxiliary hydraulic-flow adjustments through monitor
- Auto power lift
- 5,000-hour hydraulic oil-change interval
- Hydraulic-oil-sampling valve
- ▲ Auxiliary hydraulic lines
- ▲ Auxiliary pilot and electric controls
- ▲ Hydraulic filter restriction indicator kit
- ▲ Load-lowering control device
- ▲ Single-pedal propel control
- ▲ Control pattern-change valve

Undercarriage

- Planetary drive with axial piston motors
- Propel motor shields
- Spring-applied, hydraulically released automatic propel brake
- Track guides, front idler and center
- Two-speed propel with automatic shift
- Upper carrier rollers (2)
- Sealed and lubricated track chain

200D LC Undercarriage (continued)

- ▲ Triple semi-grouser shoes, 24 in. (600 mm)
- ▲ Triple semi-grouser shoes, 28 in. (700 mm)
- ▲ Triple semi-grouser shoes, 32 in. (800 mm)

Upperstructure

- Right- and left-hand mirrors
- Vandal locks with ignition key: Cab door / Fuel cap / Service doors / Toolbox
- Debris-screening side panel
- Remote-mounted engine oil and fuel filters

Front Attachments

- Centralized lubrication system
- Dirt seals on all bucket pins
- Less boom and arm
- Oil-impregnated bushings
- Reinforced resin thrust plates
- Tungsten carbide thermal coating on arm-to-bucket joint
- ▲ Arm, 7 ft. 11 in. (2.42 m)
- ▲ Arm, 9 ft. 7 in. (2.91 m)
- ▲ Attachment quick-couplers
- ▲ Boom cylinder with plumbing to mainframe for less boom and arm
- ▲ Buckets: Ditching / Heavy duty / Heavy-duty high capacity / Side cutters and teeth
- ▲ Material clamps
- ▲ Super-long fronts

Operator's Station

- Adjustable independent control positions (levers-to-seat, seat-to-pedals)
- AM/FM radio
- Auto climate control/air conditioner, 20,000 Btu/hr. (5.9 kW), with heater and pressurizer
- Built-in operator's manual storage compartment and manual
- Cell-phone power outlet, 12 volt, 60 watt, 5 amp
- Coat hook
- Deluxe suspension cloth seat with 4-in. (100 mm) adjustable armrests
- Floor mat
- Front windshield wiper with intermittent speeds
- Gauges (illuminated): Engine coolant / Fuel
- Horn, electric
- Hour meter, electric
- Hydraulic shutoff lever, all controls

200D LC Operator's Station (continued)

- Hydraulic warm-up control
- Interior light
- Large cup holder
- Machine Information Center (MIC)
- Mode selectors (illuminated): Power modes – three / Travel modes – two with automatic shift / Work mode – one
- Multifunction, color LCD monitor with: Diagnostic capability / Multiple-language capabilities / Maintenance tracking / Clock / System monitoring with alarm features: Auto-idle indicator, engine air cleaner restriction indicator light, engine check, engine coolant temperature indicator light with audible alarm, engine oil pressure indicator light with audible alarm, low-alternator-charge indicator light, low-fuel indicator light, fault-code alert indicator, fuel-rate display, wiper-mode indicator, work-lights-on indicator, and work-mode indicator
- ▲ Monitor system with alarm features: Hydraulic oil filter restriction indicator light
- Motion alarm with cancel switch (conforms to SAE J994)
- Power-boost switch on right console lever
- Auxiliary hydraulic control switches in right console lever
- SAE two-lever control pattern
- Seat belt, 2 in. (51 mm), retractable
- ▲ Seat belt, 3 in. (76 mm), non-retractable
- Tinted glass
- Transparent tinted overhead hatch
- Hot/cold beverage compartment
- ▲ Air-suspension heated seat
- ▲ 24- to 12-volt D.C. radio converters, 10 amp
- ▲ Circulation fan
- ▲ Protection screens for cab front, rear, and side
- ▲ Window vandal protection covers

Electrical

- 80-amp alternator
- Blade-type multi-fused circuits
- Positive terminal battery covers
- ▲ Cab extension wiring harness
- ▲ JDLink

Lights

- Work lights: Halogen / One mounted on boom / One mounted on frame

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.

Component life-cycle data – gives you vital information on the projected life span of components and lets you make informed decisions on machine maintenance by telling you approximately how many hours of use you can expect from an engine, transmission, or hydraulic pump. This information can be used to preempt catastrophic downtime by servicing major components at about 80 percent of their life cycle.

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.



JOHN DEERE

DKAX200DLC Litho in U.S.A. (07-04)

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions per ISO249. No derating is required up to 10,000-ft. (3050 m) altitude.

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 a unit with 32-in. (800 mm) triple semi-grouser shoes; 9-ft. 7-in. (2.91 m) arm; 42-in. (1065 mm), 1.19-cu. yd. (0.91 m³), 1,951-lb. (886 kg) heavy-duty bucket; 10,463-lb. (4750 kg) counterweight; full fuel tank; and 175-lb. (79 kg) operator.



Courtesy of Machine.Market