

130 P

Excavator



JOHN DEERE





FITS THE WAY YOU WORK

Whether you're moving up from a backhoe to an excavator as you build your business or adding an agile niche machine that's the next big thing for your fleet, the reimagined 130 P-Tier Excavator can meet your needs and exceed your expectations. Dig footings, load trucks, install utilities — you name it. With customer-inspired standards including control pattern-change valve that eases operation and fuel-shutoff lever for conserving critical resources, plus options like deluxe LED lighting package to illuminate your surroundings, this precision performer can fit in more work on a wide variety of jobsites.

130 P-TIER EXCAVATOR

FEATURES



In your comfort zone

Quiet and spacious cab features standard rearview camera for enhanced awareness. Sculpted mechanical-suspension high-back seat that slides together or independent of the joystick console helps keep operators comfortably supported.

Know as you go

Multi-language LCD monitor and rotary dial provide intuitive access to a wealth of information and functions. Just turn and tap to select work mode, access operating info, check maintenance intervals, source diagnostic codes, adjust cab temperature, and tune the radio. Plus much more.

Powerful technology

John Deere Powerwise Plus™ technology delivers on-demand power. Precise pump flow when pilot controls are metered provides reliable, fuel-efficient machine performance.

Effortless control

Ergonomically correct short-throw pilot joysticks enable smooth, precise fingertip control with less movement or effort. Push buttons in the right lever allow predictable control of auxiliary hydraulic flow for operating attachments. Optional sliding switch provides proportional speed control.

See it like never before

Integrated into the main monitor, optional right rear left camera system with additional LED surround lighting work together to supplement 270-degree visibility of the area around the machine, even in low-light conditions.



OPTIONAL CAMERA SYSTEM
**EXPANDS VISIBILITY
AROUND MACHINE**

Keep moving forward

Hydraulic single-pedal propel system is a factory-installed option that enables straight-line machine tracking without operator articulation of both hand levers and both foot pedals.

Bank on the blade

Optional blade is an ideal addition for cleanup and backfilling. It provides extra lift capacity and stability when running hydraulic hammers and other heavy-duty attachments.

Boost your leverage

When the digging gets tough, simply press the standard power-boost button on the right-hand joystick for more hydraulic muscle.

Ready for big things

Large idlers, rollers, and strutted links enable the undercarriage to withstand and command. Thick-plate single-sheet mainframe, box-section track frames, and industry-exclusive double-seal swing bearing deliver rock-solid durability. Three welded bulkheads within the boom resist torsional stress.

You'll be a fan

Highly efficient heavy-duty cooling system keeps things cool, even in tough environments or high altitudes. Cool-on-demand suction-type fan helps reduce material buildup and maintenance.

It hardly seems like work

Large fuel tank and 500- and 5,000-hour engine and hydraulic oil-service intervals decrease downtime for routine maintenance. Fluid-level sight gauges are conveniently located and can be checked at a glance.



130 P-TIER EXCAVATOR



Durable by design

Centralized lubrication at arm tip and improved front joint-bushing design relocate the grease-entry point to push contamination out from the center, simplifying routine greasing to boost joint life.

Change things up

Integrated hydraulic coupler-ready option enables efficient attachment changeovers — especially helpful for work with underground utilities.

Get attached

Two factory-installed high-pressure, high-flow auxiliary packages deliver additional hydraulic capability to power attachments. Toggle between attachments and adjust flow and pressure based on the attachment right in the monitor.

Precision Construction

This suite of construction technology delivers **Productivity Solutions** to help you get more done, more efficiently. In-base JDLink™ connectivity provides machine location, utilization data, and alerts to help you maximize productivity and efficiency. To maximize uptime and lower costs, JDLink also enables **John Deere Connected Support™**. Dealers use Expert Alerts based on data from thousands of connected machines to proactively address conditions that may otherwise likely lead to downtime. Your dealer can also monitor machine health and leverage remote diagnostics and programming capability to further diagnose problems and even update machine software without a time-consuming trip to the jobsite.*

*Availability varies by region. Options not available in every country.





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Engine	130 P-TIER		
	<i>Base engine for use in the U.S., U.S. Territories, and Canada</i>		
Manufacturer and Model	John Deere PowerTech™ PWS 4.5L		
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		
Net Rated Power (ISO 9249)	73 kW (98 hp) at 2,000 rpm		
Cylinders	4		
Displacement	4.5 L (275 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	Turbocharged, air-to-air charge-air cooler		
Cooling			
Electronically controlled, variable-rate, suction-type cooling fan			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	3.3 km/h (2.1 mph)		
High	5.5 km/h (3.4 mph)		
Drawbar Pull	11 217 kg (24,729 lb.)		
Hydraulics			
Open center, load sensing			
Main Pumps	2 variable-displacement axial-piston pumps		
Maximum Rated Flow	105 L/m (28 gpm) x 2		
Pilot Pump	1 gear		
Maximum Rated Flow	32.9 L/m (8.7 gpm)		
Pressure Setting	3930 kPa (570 psi)		
System Operating Pressure			
Circuits			
Implement	34 336 kPa (4,980 psi)		
Travel	34 336 kPa (4,980 psi)		
Swing	32 300 kPa (4,685 psi)		
Power Boost	36 300 kPa (5,265 psi)		
Controls	Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders			
	<i>Bore</i>	<i>Rod Diameter</i>	<i>Stroke</i>
Boom (2)	105 mm (4.13 in.)	70 mm (2.76 in.)	941 mm (37.05 in.)
Arm (1)	115 mm (4.53 in.)	80 mm (3.15 in.)	1135 mm (44.70 in.)
Bucket (1)	100 mm (3.94 in.)	70 mm (2.76 in.)	875 mm (34.45 in.)
Electrical			
Number of Batteries (12 volt)	2		
Battery Capacity	950 CCA		
Alternator Rating	100 amp		
Work Lights	2 LED (1 on left side of boom, 1 on frame)		
Undercarriage			
Rollers (per side)			
Carrier	1		
Track	7		
Shoes (per side)	44		
Track			
Adjustment	Hydraulic		
Guides	None		
Chain	Sealed and lubricated		

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Ground Pressure		
130 P-TIER		
	Without Blade	With Blade
Triple Semi-Grouser Shoes		
600 mm (24 in.)	38 kPa (5.51 psi)	35 kPa (5.11 psi)
700 mm (28 in.)	32 kPa (4.64 psi)	36 kPa (5.21 psi)
600-mm (24 in.) Rubber Crawler Pad	28 kPa (4.06 psi)	37 kPa (5.37 psi)

Swing Mechanism	
Speed	13.3 rpm
Torque	34 000 Nm (25,000 lb.-ft.)

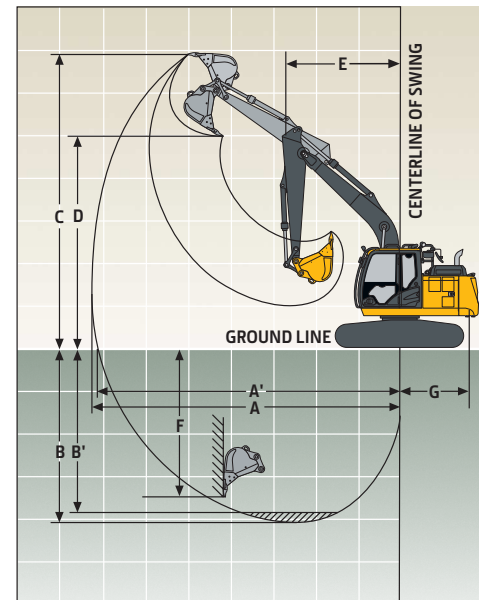
Serviceability	
Refill Capacities	
Fuel Tank	285 L (75.3 gal.)
Cooling System	23.5 L (24.8 qt.)
Engine Oil With Filter	17 L (18.0 qt.)
Hydraulic Tank	69 L (18.2 gal.)
Hydraulic System	185 L (48.9 gal.)
Refill Capacities (continued)	
Gearbox	
Swing	3.2 L (3.4 qt.)
Propel (each)	4.0 L (4.2 qt.)
Diesel Exhaust Fluid (DEF) Tank	26.7 L (28.2 qt.)

Operating Weights	
With full fuel tank; 79-kg (175 lb.) operator; 914-mm (36 in.), 0.50-m ³ (0.65 cu. yd.), 414-kg (913 lb.) general-purpose bucket; 3.01-m (9 ft. 11 in.) arm; and 2350-kg (5,181 lb.) counterweight	

Operating Weights		
	Without Blade	With Blade
600 mm (24 in.) Triple Semi-Grouser Shoes	13 169 kg (29,007 lb.)	13 624 kg (30,009 lb.)
700 mm (28 in.) Triple Semi-Grouser Shoes	13 407 kg (29,531 lb.)	13 880 kg (30,573 lb.)
600-mm (24 in.) Rubber Crawler Pad	13 847 kg (30,500 lb.)	14 302 kg (31,502 lb.)

Optional Components		
Undercarriage		
600 mm (24 in.) Triple Semi-Grouser Shoes	4517 kg (9,958 lb.)	4972 kg (10,961 lb.)
700 mm (28 in.) Triple Semi-Grouser Shoes	4755 kg (10,482 lb.)	5228 kg (11,525 lb.)
600-mm (24 in.) Rubber Crawler Pad	5195 kg (11,453 lb.)	5650 kg (12,456 lb.)
1-Piece Boom (with arm cylinder)	988 kg (2,176 lb.)	988 kg (2,176 lb.)
Arm With Bucket Cylinder and Linkage		
2.52 m (8 ft. 3 in.)	431 kg (949 lb.)	431 kg (949 lb.)
3.01 m (9 ft. 11 in.)	501 kg (1,104 lb.)	501 kg (1,104 lb.)
Boom-Lift Cylinders (2), Total Weight	436 kg (960 lb.)	436 kg (960 lb.)

Operating Dimensions		
Arm Length		
2.52 m (8 ft. 3 in.) 3.01 m (9 ft. 11 in.)		
Arm Digging Force		
SAE	65 kN (14,611 lb.)	59 kN (13,167 lb.)
ISO	67 kN (15,066 lb.)	60 kN (13,521 lb.)
Bucket Digging Force		
SAE	85 kN (19,015 lb.)	85 kN (19,015 lb.)
ISO	96 kN (21,480 lb.)	96 kN (21,480 lb.)
A Maximum Reach	8.32 m (27 ft. 4 in.)	8.77 m (28 ft. 9 in.)
A' Maximum Reach at Ground Level	8.20 m (26 ft. 11 in.)	8.67 m (28 ft. 5 in.)
B Maximum Digging Depth	5.54 m (18 ft. 2 in.)	6.03 m (19 ft. 9 in.)
B' Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	5.35 m (17 ft. 7 in.)	5.88 m (19 ft. 3 in.)
C Maximum Cutting Height	8.60 m (28 ft. 3 in.)	8.93 m (29 ft. 4 in.)
D Maximum Dumping Height	6.19 m (20 ft. 4 in.)	6.52 m (21 ft. 5 in.)
E Minimum Swing Radius	2.40 m (7 ft. 10 in.)	2.62 m (8 ft. 7 in.)
F Maximum Vertical Wall	5.02 m (16 ft. 6 in.)	5.50 m (18 ft. 1 in.)
G Tail-Swing Radius	2.19 m (7 ft. 2 in.)	2.19 m (7 ft. 2 in.)

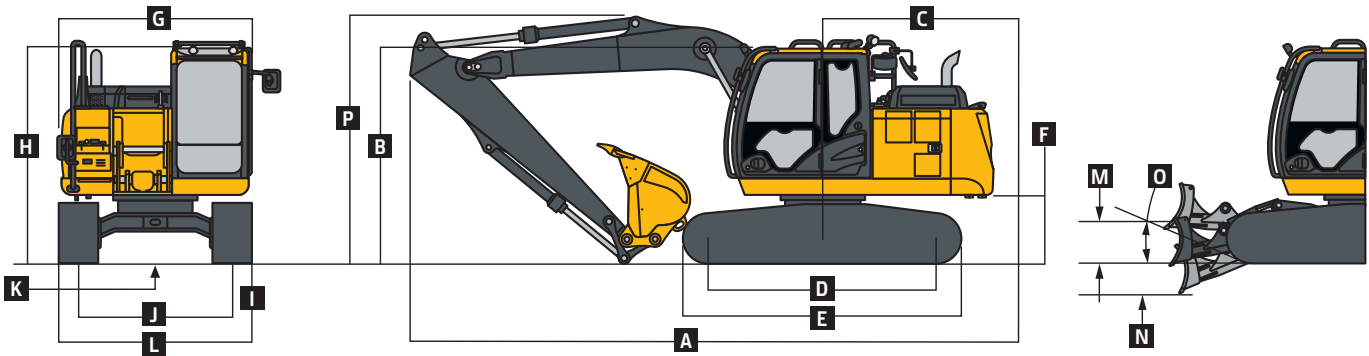


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Machine Dimensions		130 P-TIER	
Arm Length		2.52 m (8 ft. 3 in.)	3.01 m (9 ft. 11 in.)
A	Overall Length	7.70 m (25 ft. 3 in.)	7.71 m (25 ft. 4 in.)
B	Overall Height	2.75 m (9 ft. 0 in.)	2.74 m (9 ft. 0 in.)
C	Rear-End Length/Swing Radius	2.19 m (7 ft. 2 in.)	2.19 m (7 ft. 2 in.)
D	Distance Between Idler/Sprocket Centerline	2.88 m (9 ft. 5 in.)	2.88 m (9 ft. 5 in.)
E	Undercarriage Length	3.58 m (11 ft. 9 in.)	3.58 m (11 ft. 9 in.)
F	Counterweight Clearance	840 mm (33 in.)	840 mm (33 in.)
G	Upperstructure Width	2.46 m (8 ft. 1 in.)	2.46 m (8 ft. 1 in.)
H	Cab Height	2.79 m (9 ft. 2 in.)	2.79 m (9 ft. 2 in.)
I	Track Width With Triple Semi-Grouser Shoes	600 mm (24 in.) / 700 mm (28 in.)	600 mm (24 in.) / 700 mm (28 in.)
J	Gauge Width	1.99 m (6 ft. 6 in.)	1.99 m (6 ft. 6 in.)
K	Ground Clearance	410 mm (16 in.)	410 mm (16 in.)
L	Overall Width With Triple Semi-Grouser Shoes		
	600 mm (24 in.)	2.59 m (8 ft. 6 in.)	2.59 m (8 ft. 6 in.)
	700 mm (28 in.)	2.69 m (8 ft. 10 in.)	2.69 m (8 ft. 10 in.)
M	Blade Lift Height	523 mm (21 in.)	523 mm (21 in.)
N	Blade Cut Below Grade	488 mm (19 in.)	488 mm (19 in.)
O	Blade Lift Angle	27 deg.	27 deg.
	Blade Length	2.51 m (8 ft. 3 in.)	2.51 m (8 ft. 3 in.)
	Blade Height	523 mm (21 in.)	523 mm (21 in.)
	Blade Width With Triple Semi-Grouser Shoes		
	600 mm (24 in.)	2590 mm (8 ft. 6 in.)	2590 mm (8 ft. 6 in.)
	700 mm (28 in.)	2690 mm (8 ft. 10 in.)	2690 mm (8 ft. 10 in.)
P	Transport Height*	2.87 m (9 ft. 5 in.)	2.87 m (9 ft. 5 in.)

*Pin in transport position.



Lift Capacities

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). The load point is the arm tip position (bucketless), using 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	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION							
	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, without blade, less bucket</i>								
4.5 m (15 ft.)					3590 (7,850)	3590 (7,850)	3360 (6,790)	2360 (5,070)
3.0 m (10 ft.)			5930 (12,710)	5930 (12,710)	4380 (9,510)	3550 (7,670)	3310 (7,130)	2300 (4,950)
1.5 m (5 ft.)			8090 (18,470)	5990 (12,920)	4960 (10,680)	3330 (7,180)	3210 (6,920)	2200 (4,760)
Ground Line			6510 (15,120)	5690 (12,260)	4770 (10,280)	3160 (6,820)	3130 (6,740)	2130 (4,590)
-1.5 m (-5 ft.)	4660 (10,460)	4660 (10,460)	9190 (19,950)	5660 (12,170)	4700 (10,130)	3100 (6,680)	3100 (6,680)	2100 (4,540)
-3.0 m (-10 ft.)	8550 (19,330)	8550 (19,330)	7890 (17,030)	5760 (12,390)	4750 (10,230)	3140 (6,780)		
<i>With 2.52-m (8 ft. 3 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, blade on ground, less bucket</i>								
4.5 m (15 ft.)					3590 (7,850)	3590 (7,850)	3360 (6,790)	2540 (5,460)
3.0 m (10 ft.)			5930 (12,710)	5930 (12,710)	4380 (9,510)	3810 (8,240)	3780 (8,270)	2480 (5,350)
1.5 m (5 ft.)			8090 (18,470)	6450 (13,920)	5370 (11,640)	3590 (7,740)	4190 (9,110)	2390 (5,150)
Ground Line			6510 (15,120)	6160 (13,250)	6040 (13,100)	3420 (7,380)	4480 (9,740)	2310 (4,990)
-1.5 m (-5 ft.)	4660 (10,460)	4660 (10,460)	9190 (19,950)	6120 (13,170)	6100 (13,230)	3360 (7,250)	4410 (9,520)	2280 (4,930)
-3.0 m (-10 ft.)	8550 (19,330)	8550 (19,330)	7890 (17,030)	6220 (13,380)	5360 (11,510)	3400 (7,340)		

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Lift Capacities (continued) 130 P-TIER

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). The load point is the arm tip position (bucketless), using 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	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION							
	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With 2.52-m (8 ft. 3 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, without blade, less bucket</i>								
4.5 m (15 ft.)					3590 (7,850)	3590 (7,850)	3360 (6,790)	2390 (5,140)
3.0 m (10 ft.)			5930 (12,710)	5930 (12,710)	4380 (9,510)	3600 (7,770)	3360 (7,230)	2330 (5,020)
1.5 m (5 ft.)			8090 (18,470)	6070 (13,090)	5030 (10,830)	3370 (7,280)	3260 (7,020)	2240 (4,830)
Ground Line			6510 (15,120)	5780 (12,430)	4840 (10,430)	3200 (6,920)	3170 (6,840)	2160 (4,660)
-1.5 m (-5 ft.)	4660 (10,460)	4660 (10,460)	9190 (19,950)	5740 (12,350)	4770 (10,270)	3140 (6,780)	3140 (6,780)	2130 (4,610)
-3.0 m (-10 ft.)	8550 (19,330)	8550 (19,330)	7890 (17,030)	5840 (12,560)	4810 (10,380)	3180 (6,870)		
<i>With 2.52-m (8 ft. 3 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, blade on ground, less bucket</i>								
4.5 m (15 ft.)					3590 (7,850)	3590 (7,850)	3360 (6,790)	2570 (5,530)
3.0 m (10 ft.)			5930 (12,710)	5930 (12,710)	4380 (9,510)	3860 (8,330)	3780 (8,270)	2510 (5,410)
1.5 m (5 ft.)			8090 (18,470)	6530 (14,090)	5370 (11,640)	3630 (7,840)	4190 (9,110)	2420 (5,220)
Ground Line			6510 (15,120)	6240 (13,420)	6040 (13,100)	3460 (7,480)	4480 (9,740)	2340 (5,050)
-1.5 m (-5 ft.)	4660 (10,460)	4660 (10,460)	9190 (19,950)	6200 (13,340)	6100 (13,230)	3400 (7,340)	4410 (9,520)	2310 (5,000)
-3.0 m (-10 ft.)	8550 (19,330)	8550 (19,330)	7890 (17,030)	6300 (13,550)	5360 (11,510)	3440 (7,440)		
<i>With 2.52-m (8 ft. 3 in.) arm and 500-mm (20 in.) rubber track, without blade, less bucket</i>								
4.5 m (15 ft.)					3590 (7,850)	3590 (7,850)	3360 (6,790)	2390 (5,150)
3.0 m (10 ft.)			5930 (12,710)	5930 (12,710)	4380 (9,510)	3600 (7,780)	3360 (7,240)	2330 (5,030)
1.5 m (5 ft.)			8090 (18,470)	6080 (13,110)	5030 (10,840)	3380 (7,290)	3260 (7,030)	2240 (4,830)
Ground Line			6510 (15,120)	5780 (12,440)	4850 (10,440)	3210 (6,930)	3180 (6,850)	2160 (4,670)
-1.5 m (-5 ft.)	4660 (10,460)	4660 (10,460)	9190 (19,950)	5750 (12,360)	4780 (10,290)	3150 (6,790)	3150 (6,790)	2130 (4,620)
-3.0 m (-10 ft.)	8550 (19,330)	8550 (19,330)	7890 (17,030)	5850 (12,580)	4820 (10,390)	3180 (6,880)		
<i>With 2.52-m (8 ft. 3 in.) arm and 500-mm (20 in.) rubber track, blade on ground, less bucket</i>								
4.5 m (15 ft.)					3590 (7,850)	3590 (7,850)	3360 (6,790)	2570 (5,540)
3.0 m (10 ft.)			5930 (12,710)	5930 (12,710)	4380 (9,510)	3860 (8,340)	3780 (8,270)	2510 (5,420)
1.5 m (5 ft.)			8090 (18,470)	6540 (14,100)	5370 (11,640)	3630 (7,850)	4190 (9,110)	2420 (5,230)
Ground Line			6510 (15,120)	6240 (13,440)	6040 (13,100)	3470 (7,490)	4480 (9,740)	2340 (5,060)
-1.5 m (-5 ft.)	4660 (10,460)	4660 (10,460)	9190 (19,950)	6210 (13,360)	6100 (13,230)	3410 (7,350)	4410 (9,520)	2310 (5,010)
-3.0 m (-10 ft.)	8550 (19,330)	8550 (19,330)	7890 (17,030)	6310 (13,570)	5360 (11,510)	3440 (7,450)		
<i>With 3.01-m (9 ft. 11 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, without blade, less bucket</i>								
4.5 m (15 ft.)					3110 (6,810)	3110 (6,810)	3160 (6,970)	2390 (5,140)
3.0 m (10 ft.)			4920 (10,410)	4920 (10,410)	3920 (8,520)	3610 (7,780)	3330 (7,170)	2310 (4,980)
1.5 m (5 ft.)			7740 (16,650)	6130 (13,220)	4990 (10,760)	3350 (7,240)	3210 (6,920)	2200 (4,750)
Ground Line			7120 (16,560)	5690 (12,240)	4770 (10,260)	3150 (6,790)	3110 (6,700)	2100 (4,540)
-1.5 m (-5 ft.)	4110 (9,240)	4110 (9,240)	8910 (19,940)	5580 (11,990)	4660 (10,020)	3050 (6,580)	3050 (6,580)	2050 (4,440)
-3.0 m (-10 ft.)	7170 (16,190)	7170 (16,190)	8430 (18,230)	5630 (12,110)	4660 (10,040)	3060 (6,600)		
-4.5 m (-15 ft.)			6120 (12,940)	5840 (12,590)				
<i>With 3.01-m (9 ft. 11 in.) arm and 600-mm (24 in.) triple semi-grouser shoes, blade on ground, less bucket</i>								
4.5 m (15 ft.)					3110 (6,810)	3110 (6,810)	3160 (6,970)	2570 (5,530)
3.0 m (10 ft.)			4920 (10,410)	4920 (10,410)	3920 (8,520)	3870 (8,340)	3480 (7,610)	2490 (5,370)
1.5 m (5 ft.)			7740 (16,650)	6590 (14,210)	4990 (10,810)	3610 (7,800)	3950 (8,600)	2380 (5,140)
Ground Line			7120 (16,560)	6150 (13,240)	5820 (12,620)	3410 (7,360)	4340 (9,440)	2290 (4,930)
-1.5 m (-5 ft.)	4110 (9,240)	4110 (9,240)	8910 (20,320)	6040 (12,980)	6090 (13,210)	3310 (7,140)	4450 (9,630)	2230 (4,830)
-3.0 m (-10 ft.)	7170 (16,190)	7170 (16,190)	8430 (18,230)	6090 (13,100)	5660 (12,210)	3320 (7,160)		
-4.5 m (-15 ft.)			6120 (12,940)	6120 (12,940)				

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Lift Capacities (continued)		130 P-TIER							
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HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION									
LOAD POINT HEIGHT	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
<i>With 3.01-m (9 ft. 11 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, without blade, less bucket</i>									
4.5 m (15 ft.)					3110 (6,810)	3110 (6,810)	3160 (6,970)	2420 (5,210)	
3.0 m (10 ft.)			4920 (10,410)	4920 (10,410)	3920 (8,520)	3650 (7,880)	3370 (7,270)	2340 (5,050)	
1.5 m (5 ft.)			7740 (16,650)	6210 (13,390)	4990 (10,810)	3400 (7,330)	3260 (7,020)	2230 (4,820)	
Ground Line			7120 (16,560)	5770 (12,420)	4830 (10,410)	3190 (6,890)	3150 (6,800)	2140 (4,610)	
-1.5 m (-5 ft.)	4110 (9,240)	4110 (9,240)	8910 (20,230)	5660 (12,160)	4720 (10,170)	3090 (6,680)	3100 (6,680)	2080 (4,500)	
-3.0 m (-10 ft.)	7170 (16,190)	7170 (16,190)	8430 (18,230)	5710 (12,280)	4730 (10,190)	3100 (6,700)			
-4.5 m (-15 ft.)			6120 (12,940)	5920 (12,770)					
<i>With 3.01-m (9 ft. 11 in.) arm and 700-mm (28 in.) triple semi-grouser shoes, blade on ground, less bucket</i>									
4.5 m (15 ft.)					3110 (6,810)	3110 (6,810)	3160 (6,970)	2600 (5,600)	
3.0 m (10 ft.)			4920 (10,410)	4920 (10,410)	3920 (8,520)	3910 (8,440)	3480 (7,610)	2520 (5,440)	
1.5 m (5 ft.)			7740 (16,650)	6670 (14,380)	4990 (10,810)	3660 (7,900)	3950 (8,600)	2410 (5,210)	
Ground Line			7120 (16,560)	6230 (13,410)	5820 (12,620)	3450 (7,450)	4340 (9,440)	2320 (5,000)	
-1.5 m (-5 ft.)	4110 (9,240)	4110 (9,240)	8910 (20,320)	6120 (13,160)	6090 (13,210)	3350 (7,240)	4450 (9,630)	2270 (4,900)	
-3.0 m (-10 ft.)	7170 (16,190)	7170 (16,190)	8430 (18,230)	6170 (13,280)	5660 (12,210)	3360 (7,260)			
-4.5 m (-15 ft.)			6120 (12,940)	6120 (12,940)					
<i>With 3.01-m (9 ft. 11 in.) arm and 500-mm (20 in.) rubber track, without blade, less bucket</i>									
4.5 m (15 ft.)					3110 (6,810)	3110 (6,810)	3160 (6,970)	2420 (5,210)	
3.0 m (10 ft.)			4920 (10,410)	4920 (10,410)	3920 (8,520)	3660 (7,890)	3380 (7,280)	2340 (5,050)	
1.5 m (5 ft.)			7740 (16,650)	6220 (13,410)	4990 (10,810)	3400 (7,340)	3260 (7,030)	2240 (4,830)	
Ground Line			7120 (16,560)	5780 (12,430)	4840 (10,420)	3200 (6,900)	3160 (6,810)	2140 (4,620)	
-1.5 m (-5 ft.)	4110 (9,240)	4110 (9,240)	8910 (20,260)	5660 (12,180)	4730 (10,190)	3100 (6,690)	3100 (6,690)	2090 (4,510)	
-3.0 m (-10 ft.)	7170 (16,190)	7170 (16,190)	8430 (18,230)	5720 (12,300)	4740 (10,200)	3100 (6,710)			
-4.5 m (-15 ft.)			6120 (12,940)	5930 (12,780)					
<i>With 3.01-m (9 ft. 11 in.) arm and 500-mm (20 in.) rubber track, blade on ground, less bucket</i>									
4.5 m (15 ft.)					3110 (6,810)	3110 (6,810)	3160 (6,970)	2600 (5,600)	
3.0 m (10 ft.)			4920 (10,410)	4920 (10,410)	3920 (8,520)	3920 (8,450)	3480 (7,610)	2530 (5,450)	
1.5 m (5 ft.)			7740 (16,650)	6680 (14,400)	4990 (10,810)	3660 (7,910)	3950 (8,600)	2420 (5,220)	
Ground Line			7120 (16,560)	6240 (13,420)	5820 (12,620)	3460 (7,460)	4340 (9,440)	2320 (5,010)	
-1.5 m (-5 ft.)	4110 (9,240)	4110 (9,240)	8910 (20,320)	6120 (13,170)	6090 (13,210)	3360 (7,250)	4450 (9,630)	2270 (4,900)	
-3.0 m (-10 ft.)	7170 (16,190)	7170 (16,190)	8430 (18,230)	6180 (13,290)	5660 (12,210)	3360 (7,270)			
-4.5 m (-15 ft.)			6120 (12,940)	6120 (12,940)					

Buckets

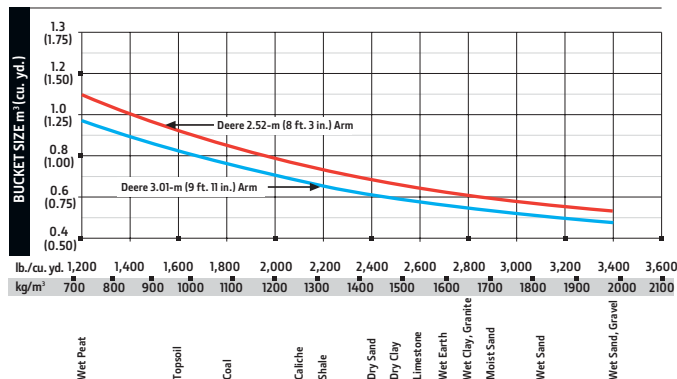
A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are equipped with John Deere TK-Series Bucket Teeth standard. A variety of teeth are available through John Deere Parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Pin to Cutting Edge Radius		Bucket Tip Radius		Number of Teeth
	mm	in.	m ³	cu. yd.	kg	lb.	mm	in.	mm	in.	
Heavy Duty	610	24	0.34	0.44	407.7	899	1153	45.4	1268	49.9	4
	762	30	0.45	0.59	453.5	1,000	1153	45.4	1268	49.9	4
	915	36	0.57	0.75	511.0	1,127	1153	45.4	1268	49.9	5
	1067	42	0.70	0.91	553.0	1,220	1153	45.4	1268	49.9	5

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Bucket Selection Guide*

130 P-TIER



* 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.

Additional equipment

Key: ● Standard ▲ Optional or special See your John Deere dealer for further information.

130 P Engine

- Auto-idle system
- Automatic belt-tension device
- Batteries (2 – 12 volt)
- Coolant recovery tank
- Dual-element dry-type air filter
- Electronic engine control
- Enclosed fan guard (conforms to SAE J1308)
- Engine coolant to –37 deg. C (–34 deg. F)
- Fuel filter with water separator
- Fuel shutoff valve
- Full-flow oil filter
- Turbocharger with charge-air cooler
- Electronically controlled, variable-rate, suction type
- 500-hour engine-oil-change interval
- 70% (35 deg.) off-level capability
- Engine-oil-sampling valve
- Programmable auto shutdown
- ▲ Chrome exhaust stack
- ▲ Severe-duty fuel filter
- ▲ 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
- Control pattern-change valve
- ▲ Auxiliary high-flow lines with auxiliary function lever (AFL) and auxiliary relief pressure adjustment
- ▲ Auxiliary pilot and electric controls
- ▲ Hydraulic filter restriction indicator kit
- ▲ Load-lowering control device
- ▲ Single-pedal propel control
- ▲ High-flow auxiliary hydraulic lines with dual stop valves

Undercarriage

- Planetary drive with axial piston motors
- Propel motor shields
- Spring-applied, hydraulically released automatic propel brake
- Track guide, front idler
- 2-speed propel with automatic shift
- Upper carrier roller (1)
- Sealed and lubricated track chain
- ▲ Triple semi-grouser shoes, 600 mm (24 in.)
- ▲ Triple semi-grouser shoes, 700 mm (28 in.)
- ▲ Rubber crawler pads, 600 mm (24 in.)
- ▲ Undercarriage with blade

130 P Upperstructure

- Right-hand and left-hand mirrors
- Vandal locks with ignition key: Cab door / 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, 2.52 m (8 ft. 3 in.)
- ▲ Arm, 3.01 m (9 ft. 11 in.)
- ▲ Factory-integrated hydraulic coupler plumbing and controls
- ▲ Attachment quick-couplers
- ▲ Boom cylinder with plumbing to mainframe less boom and arm
- ▲ Buckets: Ditching / Heavy duty / Heavy-duty high capacity / Side cutters and teeth
- ▲ Material clamps / Hydraulic thumb

Operator's Station

- Meets ISO 12117-2 for ROPS
- Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
- AM/FM radio
- Auto climate control/air conditioner/heater/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 100-mm (4 in.) adjustable armrests
- Floor mat
- Front windshield wiper with intermittent speeds
- Gauges (illuminated): Diesel Exhaust Fluid (DEF) / Engine coolant / Fuel
- Horn, electric
- Hour meter, electric
- Hydraulic shutoff lever, all controls
- Hydraulic warm-up control
- Interior light
- Large cup holder
- Machine Information Center (MIC)
- Mode selectors (illuminated): Power modes (3) / Travel modes (2 with automatic shift) / Work mode (1)
- 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

130 P Operator's Station (continued)

- alarm, low-alternator-charge indicator light, low-fuel indicator light, low DEF indication with audible alarm, fault code alert indicator, fuel-rate display, wiper-mode indicator, work-lights-on indicator, and work-mode indicator
 - 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 2-lever control pattern
 - Seat belt, 76 mm (3 in.), non-retractable
 - Tinted glass
 - Transparent tinted overhead hatch
 - Hot/cold beverage compartment
 - USB charging port
 - ▲ Air-suspension heated seat
 - ▲ Premium thermally heated and actively cooled leather seat
 - ▲ 24- to 12-volt D.C. radio converters, 10 amp
 - ▲ Hydraulic oil filter restriction indicator light
 - ▲ Protection screens for cab front, rear, and side
 - ▲ Seat belt, 76 mm (3 in.), non-retractable
 - ▲ Window vandal-protection covers
 - ▲ In-monitor adjustable flow and pressure auxiliary hydraulics with auxiliary function lever (AFL)
- ## Electrical
- 100-amp alternator
 - Blade-type multi-fused circuits
 - Positive-terminal battery covers
 - JDLINK™ wireless communication system (available in specific countries; see your dealer for details)
 - ▲ Right rear left 270-deg. camera system with LED surround lighting
 - Rearview camera
 - ▲ Cab extension wiring harness

Lights

- Work lights: LED / 1 mounted on left side of boom / 1 mounted on frame
- ▲ 2 lights mounted on cab / 1 mounted on right side of boom
- ▲ LED light kit: 2 lights mounted on cab front / 1 mounted on cab rear / 1 mounted on boom / 1 mounted in toolbox
- ▲ Deluxe LED light package

Trim Packages

- Level 1: Mechanical seat and standard front LED worklights
- ▲ Level 2: Heated, air-suspension seat and standard front LED worklights
- ▲ Level 3: Heated, air-suspension seat, deluxe front LED worklights, and chrome exhaust
- ▲ Level 4: Premium-leather, thermal-heating, and active-cooling seat; deluxe front LED worklights; and chrome exhaust

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at test conditions specified per ISO 9249. No derating is required up to 3050-m (10,000 ft.) 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 700-mm (28 in.) triple semi-grouser shoes; 914-mm (36 in.), 0.50-m³ (0.65 cu. yd.), 414-kg (913 lb.) general-purpose bucket; 3.01-m (9 ft. 11 in.) arm; 2350-kg (5,181 lb.) counterweight; full fuel tank; and 79-kg (175 lb.) operator.



MET30PAU (22-11)



JOHN DEERE