

300 P

Excavator



JOHN DEERE





THE FAST TRACK LOOKS GREAT FROM HERE

With its John Deere PowerTech™ engine and hydraulic system optimized to efficiently deliver plentiful power, our reimagined 300 P-Tier Excavator can help fast-track your bottom line. Enhancements inspired by ideas from real-world customers include Powerwise Plus™ technology that boosts performance on demand, intuitive operating controls, and reliably rugged undercarriage components. Optional camera array with LED-surround lighting plus deluxe LED lights help you see your work like never before. This mid-size muscle was designed to take your operation through the challenges — and accelerate your expectations.

300 P-TIER EXCAVATOR

FEATURES

Seeing is believing

Optional camera array with LED-surround lighting integrated into the main monitor work together to supplement 270-degree visibility of the area around the machine.

Plan for productivity

Powerwise Plus hydraulic-management system balances engine performance and hydraulic flow for reliable operation. **High productivity** yields more power and faster hydraulic response to move more material. **Power** delivers smooth, balanced metering for normal operation. **Economy** reduces engine rpm and helps save fuel.

Designed to deliver long life

Improved front-joint durability including new bushings on the boom end and foot, better front-piping clamping, and strengthened undercarriage components compared to earlier models help extend uptime and wear life. Larger front-piping diameter and new electric cooling fans improve fuel efficiency by up to five percent.

Underneath it all

New integrated idler and adjuster on the undercarriage of the 300 P-Tier Excavator eases the greasing process. Strengthened idler bearing absorbs the brunt of whatever the track frame encounters, to boost overall wear.

Control you can count on

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.



**NEW INTEGRATED
UNDERCARRIAGE
IDLER & ADJUSTER
EASE GREASING**

Take a load off

Quiet and spacious cab features standard rearview camera for expansive all-round visibility. Sculpted mechanical-suspension high-back seat slides together or independent of the joystick console to help keep operators comfortably supported.

Now you know

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.

Get good grades

Grade-reference-ready option includes sensor mounts to help speed installation, eliminating the need to grind, weld, and repaint. Our “open-architecture” design allows you to employ your favorite brand of grade-control system to help maximize productivity and uptime while lowering daily operating costs.

See your work in a new light

Optional deluxe LED lights at cab front and rear, boom, and toolbox shine when your workday extends beyond daylight. Engine-compartment light makes it easy to see daily maintenance points in low-light conditions.

Add some muscle

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



300 P-TIER EXCAVATOR



**PRESS POWER BOOST
FOR MORE MUSCLE**



Simplify your routine

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.

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.



300 P-TIER EXCAVATOR SPECIFICATIONS

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.

Engine	300 P-TIER		
	Base engine for use in U.S., U.S. Territories, and Canada		
Manufacturer and Model	John Deere PowerTech™ PSS 6.8L, 6068HT107		
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		
Net Rated Power (ISO 9249)	166 kW (223 hp) at 1,900 rpm		
Cylinders	6		
Displacement	6.8 L (415 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	Series turbocharged, air-to-air charge-air cooler		
Cooling			
Reversing electric variable-speed fan drive			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	3.1 km/h (1.9 mph)		
High	5.2 km/h (3.2 mph)		
Drawbar Pull	25 085 kg (55,303 lb.)		
Hydraulics			
Open center, load sensing			
Main Pumps	2 variable-displacement pumps		
Maximum Rated Flow	236 L/m (62.3 gpm) x 2		
Pilot Pump	1 gear		
Maximum Rated Flow	30.2 L/m (8.0 gpm)		
Pressure Setting	3900 kPa (566 psi)		
System Operating Pressure			
Circuits			
Implement	34 300 kPa (4,975 psi)		
Travel	35 500 kPa (5,149 psi)		
Swing	33 300 kPa (4,830 psi)		
Power Boost	38 000 kPa (5,511 psi)		
Controls	Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders			
	Bore	Rod Diameter	Stroke
Boom (2)	135 mm (5.3 in.)	95 mm (3.7 in.)	1422 mm (56.0 in.)
Arm (1)	150 mm (5.9 in.)	105 mm (4.1 in.)	1659 mm (65.3 in.)
Bucket (1)	135 mm (5.3 in.)	90 mm (3.5 in.)	1070 mm (42.1 in.)
Electrical			
Number of Batteries (12 volt)	2		
Battery Capacity	950 CCA		
Alternator Rating	300 amp		
Work Lights	2 LED (1 on left side of boom, 1 on frame)		
Undercarriage			
Rollers (each side)			
Carrier	2		
Track	8		
Shoes, Triple Semi-Grousers (each side)	48		
Track			
Adjustment	Hydraulic		
Guides	2 per side		
Chain	Sealed and lubricated		

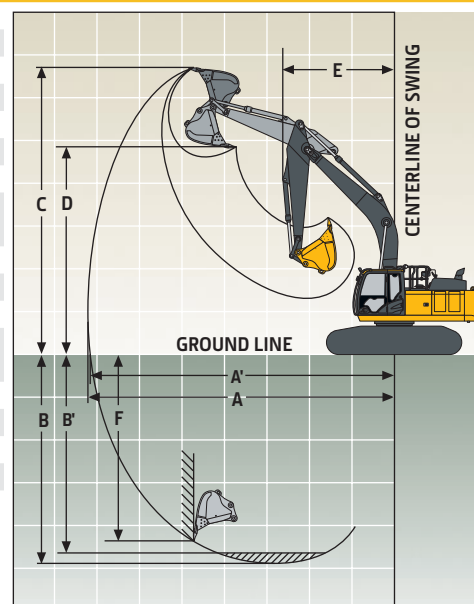
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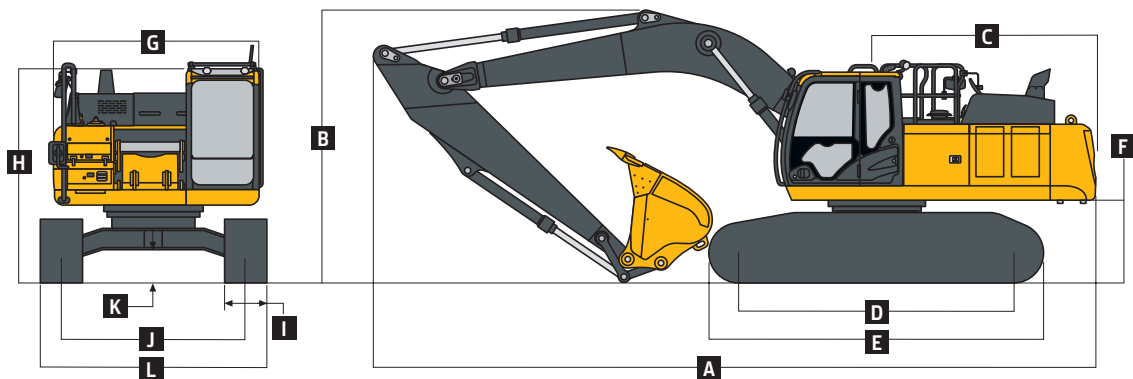
Ground Pressure		300 P-TIER	
Triple Semi-Grouser Shoes			
700 mm (28 in.)	50.0 kPa (7.26 psi)		
800 mm (32 in.)	43.8 kPa (6.35 psi)		
Swing Mechanism			
Swing			
Speed	10.3 rpm		
Torque	90 500 Nm (66,749 lb.-ft.)		
Serviceability			
Refill Capacities		Refill Capacities (continued)	
Fuel Tank	514 L (136 gal.)	Hydraulic System	290 L (77 gal.)
Diesel Exhaust Fluid (DEF) Tank	35 L (9.2 gal.)	Swing Drive	12 L (12.7 qt.)
Cooling System	36 L (9.5 gal.)	Gearbox	
Engine Oil With Filter	20.5 L (5 gal.)	Propel (each)	9.2 L (9.7 qt.)
Hydraulic Tank	156 L (41 gal.)	Pump Drive	1.1 L (1.2 qt.)
Operating Weights			
With full fuel tank; 79-kg (175 lb.) operator; 1.44-m³ (1.88 cu. yd.), 1067-mm (42 in.), 1158-kg (2,553 lb.) bucket; 3.76-m (12 ft. 4 in.) arm; 5600-kg (12,346 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes			
Operating Weight	31 150 kg (68,674 lb.)		
Component Weights			
Undercarriage With Triple Semi-Grouser Shoes			
700 mm (28 in.)	11 478 kg (25,305 lb.)		
800 mm (32 in.)	11 881 kg (26,193 lb.)		
1-Piece Boom (with arm cylinder)	2322 kg (5,119 lb.)		
Arm With Bucket Cylinder and Linkage			
3.11 m (10 ft. 2 in.)	1288 kg (2,840 lb.)		
3.76 m (12 ft. 4 in.)	1377 kg (3,036 lb.)		
Boom-Lift Cylinders (2), Total Weight	490 kg (1,080 lb.)		
1.25-m³ (1.63 cu. yd.), 1065-mm (42 in.)	957 kg (2,110 lb.)		
Heavy-Duty Plate-Lip Bucket			
Counterweight, Standard	5600 kg (12,346 lb.)		
Operating Dimensions			
Arm Length	3.11 m (10 ft. 2 in.)	3.76 m (12 ft. 4 in.)	
Arm Digging Force			
SAE	138 kN (31,024 lb.)	121 kN (27,202 lb.)	
ISO	144 kN (32,372 lb.)	127 kN (28,551 lb.)	
Bucket Digging Force			
SAE	175 kN (39,342 lb.)	175 kN (39,342 lb.)	
ISO	202 kN (45,411 lb.)	202 kN (45,411 lb.)	
Lifting Capacity Over Front at Ground Level	23 650 kg (52,139 lb.)	22 600 kg (49,824 lb.)	
6.1-m (20 ft. 0 in.) Reach (with power boost)			
A Maximum Reach	10.71 m (35 ft. 2 in.)	11.27 m (37 ft. 0 in.)	
A' Maximum Reach at Ground Level	10.52 m (34 ft. 6 in.)	11.09 m (36 ft. 5 in.)	
B Maximum Digging Depth	7.22 m (23 ft. 8 in.)	7.87 m (25 ft. 10 in.)	
B' Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	7.04 m (23 ft. 1 in.)	7.71 m (25 ft. 4 in.)	
C Maximum Cutting Height	10.27 m (33 ft. 8 in.)	10.47 m (34 ft. 4 in.)	
D Maximum Dumping Height	7.33 m (24 ft. 1 in.)	7.54 m (24 ft. 9 in.)	
E Minimum Swing Radius	3.90 m (12 ft. 10 in.)	3.89 m (12 ft. 9 in.)	
F Maximum Vertical Wall	6.48 m (21 ft. 3 in.)	7.05 m (23 ft. 2 in.)	



300 P-TIER

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Machine Dimensions		300 P-TIER	
Arm Length		3.11 m (10 ft. 2 in.)	3.76 m (12 ft. 4 in.)
A	Overall Length	10.66 m (35 ft. 0 in.)	10.71 m (35 ft. 2 in.)
B	Overall Height	3.20 m (10 ft. 6 in.)	3.38 m (11 ft. 1 in.)
C	Tail-Swing Radius	3.25 m (10 ft. 8 in.)	3.25 m (10 ft. 8 in.)
D	Distance Between Idler/Sprocket Centerline	4.05 m (13 ft. 3 in.)	4.05 m (13 ft. 3 in.)
E	Undercarriage Length	4.94 m (16 ft. 2 in.)	4.94 m (16 ft. 2 in.)
F	Counterweight Clearance	1.17 m (3 ft. 10 in.)	1.17 m (3 ft. 10 in.)
G	Upperstructure Width	2.99 m (9 ft. 10 in.)	2.99 m (9 ft. 10 in.)
H	Cab Height	3.11 m (10 ft. 2 in.)	3.11 m (10 ft. 2 in.)
I	Track Width With Triple Semi-Grouser Shoes	700 mm (28 in.) / 800 mm (32 in.)	700 mm (28 in.) / 800 mm (32 in.)
J	Gauge Width	2.59 m (8 ft. 6 in.)	2.59 m (8 ft. 6 in.)
K	Ground Clearance	0.51 m (20 in.)	0.51 m (20 in.)
L	Overall Width With Triple Semi-Grouser Shoes		
	700 mm (28 in.)	3.29 m (10 ft. 10 in.)	3.29 m (10 ft. 10 in.)
	800 mm (32 in.)	3.39 m (11 ft. 1 in.)	3.39 m (11 ft. 1 in.)



Lift Capacities

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at arm tip; standard gauge; 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. All lift capacities are based on ISO 10567.

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.)		7.5 m (25 ft.)		9.0 m (30 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With 3.11-m (10 ft. 2 in.) arm and 700-mm (28 in.) shoes, less bucket</i>												
6.0 m (20 ft.)							7130 (15,590)	7130 (15,590)	6950 (15,020)	6010 (12,920)		
4.5 m (15 ft.)					9830 (21,160)	9830 (21,160)	8200 (17,800)	8200 (17,800)	7400 (16,160)	5870 (12,640)		
3.0 m (10 ft.)					12 180 (27,550)	11 910 (25,730)	9600 (20,800)	7840 (16,920)	8100 (17,630)	5670 (12,220)		
1.5 m (5 ft.)					15 230 (32,860)	11 170 (24,100)	10 920 (23,640)	7460 (16,110)	8690 (18,730)	5470 (11,800)		
Ground Line					16 270 (35,250)	10 820 (23,320)	11 770 (25,520)	7210 (15,560)	8530 (18,370)	5320 (11,480)		
-1.5 m (-5 ft.)	6810 (15,250)	6810 (15,250)	10 250 (23,240)	10 250 (23,240)	16 200 (35,150)	10 740 (23,130)	11 800 (25,390)	7100 (15,320)	8450 (18,220)	5250 (11,350)		
-3.0 m (-10 ft.)	11 900 (26,690)	11 900 (26,690)	16 480 (37,430)	16 480 (37,430)	15 200 (32,930)	10 830 (23,320)	11 440 (24,740)	7130 (15,390)				
-4.5 m (-15 ft.)			17 660 (38,020)	17 660 (38,020)	12 940 (27,800)	11 080 (23,890)	9560 (20,250)	7330 (15,860)				

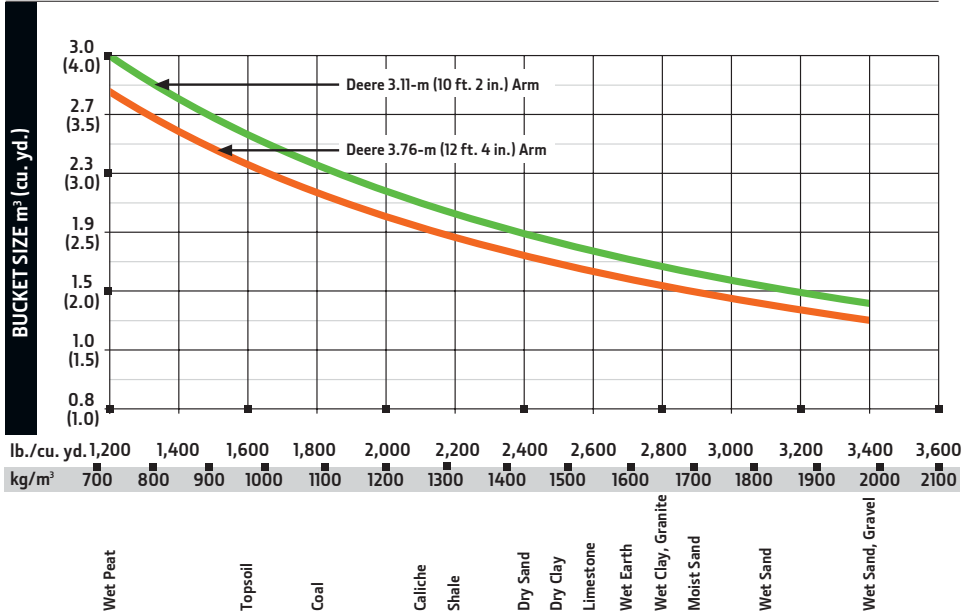
Lift Capacities (continued) 300 P-TIER

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at arm tip; standard gauge; 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. All lift capacities are based on ISO 10567.

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.)		7.5 m (25 ft.)		9.0 m (30 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With 3.11-m (10 ft. 2 in.) arm and 800-mm (32 in.) shoes, less bucket</i>												
6.0 m (20 ft.)							7130 (15,590)	7130 (15,590)	6950 (15,020)	6070 (13,060)		
4.5 m (15 ft.)					9830 (21,160)	9830 (21,160)	8200 (17,800)	8200 (17,800)	7400 (16,160)	5930 (12,780)		
3.0 m (10 ft.)					12 180 (27,550)	12 040 (26,000)	9600 (20,800)	7920 (17,110)	8100 (17,630)	5730 (12,360)		
1.5 m (5 ft.)					15 230 (32,860)	15 230 (24,380)	10 920 (23,640)	10 920 (16,290)	8790 (18,950)	8790 (11,940)		
Ground Line					16 270 (35,250)	10 950 (23,600)	11 770 (25,520)	7290 (15,740)	8630 (18,590)	5380 (11,620)		
-1.5 m (-5 ft.)	6810 (15,250)	6810 (15,250)	10 250 (23,240)	10 250 (23,240)	16 200 (35,150)	10 870 (23,410)	11 940 (25,690)	7190 (15,510)	8550 (18,440)	5320 (11,490)		
-3.0 m (-10 ft.)	11 900 (26,690)	11 900 (26,690)	16 480 (37,430)	16 480 (37,430)	15 200 (32,930)	10 960 (23,590)	11 440 (24,740)	7210 (15,580)				
-4.5 m (-15 ft.)			17 660 (38,020)	17 660 (38,020)	12 940 (27,800)	11 210 (24,170)	9560 (20,250)	7410 (16,050)				
<i>With 3.76-m (12 ft. 4 in.) arm and 700-mm (28 in.) shoes, less bucket</i>												
6.0 m (20 ft.)									6230 (13,710)	6110 (13,150)		
4.5 m (15 ft.)							7350 (15,980)	7350 (15,980)	6770 (14,800)	5950 (12,820)	5250 (10,350)	4430 (9,530)
3.0 m (10 ft.)					11 420 (24,570)	11 420 (24,570)	8830 (19,130)	7970 (17,200)	7560 (16,460)	5720 (12,350)	6520 (13,360)	4330 (9,320)
1.5 m (5 ft.)					14 200 (30,650)	11 380 (24,550)	10 300 (22,310)	7540 (16,280)	8380 (18,220)	5500 (11,860)	6630 (14,290)	4210 (9,080)
Ground Line			6500 (14,830)	6500 (14,830)	15 380 (34,260)	10 870 (23,430)	11 390 (24,700)	7230 (15,600)	8520 (18,370)	5310 (11,460)	6530 (14,080)	4110 (8,880)
-1.5 m (-5 ft.)	6480 (14,470)	6480 (14,470)	9930 (22,470)	9930 (22,470)	16 270 (35,270)	10 680 (22,990)	11 770 (25,310)	7060 (15,230)	8400 (18,110)	5200 (11,230)		
-3.0 m (-10 ft.)	10 280 (23,040)	10 280 (23,040)	14 490 (32,840)	14 490 (32,840)	15 730 (34,080)	10 690 (23,010)	11 710 (25,240)	7030 (15,170)	8390 (18,100)	5190 (11,220)		
-4.5 m (-15 ft.)	14 880 (33,500)	14 880 (33,500)	19 910 (42,940)	19 910 (42,940)	14 100 (30,390)	10 860 (23,410)	10 550 (22,640)	7140 (15,430)				
-6.0 m (-20 ft.)					10 530 (22,060)	10 530 (22,060)						
<i>With 3.76-m (12 ft. 4 in.) arm and 800-mm (32 in.) shoes, less bucket</i>												
6.0 m (20 ft.)									6230 (13,710)	6180 (13,290)		
4.5 m (15 ft.)							7350 (15,980)	7350 (15,980)	6770 (14,800)	6010 (12,960)	5250 (10,350)	4490 (9,640)
3.0 m (10 ft.)					11 420 (24,570)	11 420 (24,570)	8830 (19,130)	8060 (17,390)	7560 (16,460)	5790 (12,490)	6520 (13,360)	4380 (9,430)
1.5 m (5 ft.)					14 200 (30,650)	11 510 (24,830)	10 300 (22,310)	7630 (16,470)	8380 (18,220)	5560 (12,000)	6710 (14,460)	4260 (9,190)
Ground Line			6500 (14,830)	6500 (14,830)	15 830 (34,260)	11 000 (23,710)	11 390 (24,700)	7320 (15,790)	8630 (18,590)	5380 (11,600)	6610 (14,250)	4170 (8,990)
-1.5 m (-5 ft.)	6480 (14,470)	6480 (14,470)	9930 (22,470)	9930 (22,470)	16 270 (35,270)	10 810 (23,270)	11 900 (25,610)	7150 (15,420)	8500 (18,330)	5270 (11,370)		
-3.0 m (-10 ft.)	10 280 (23,040)	10 280 (23,040)	14 490 (32,840)	14 490 (32,840)	15 730 (34,080)	10 810 (23,290)	11 710 (25,360)	7120 (15,350)	8490 (18,320)	5260 (11,360)		
-4.5 m (-15 ft.)	14 880 (33,500)	14 880 (33,500)	19 910 (42,940)	19 910 (42,940)	14 100 (30,390)	10 990 (23,690)	10 550 (22,640)	7230 (15,620)				
-6.0 m (-20 ft.)					10 530 (22,060)	10 530 (22,060)						

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Buckets300 P-TIER													
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 Dig Force		Bucket Pin to Cutting Edge Radius		Bucket Pin to Tooth Tip Radius		Number of Teeth
	mm	in.	m ³	cu. yd.	kg	lb.	kN	lb.	mm	in.	mm	in.	
Heavy Duty	915	36	0.85	1.11	983	2,167	198.1	44,527	1449	57	1591	63.6	4
	1067	42	1.04	1.36	1088	2,398	198.1	44,527	1449	57	1591	63.6	5
	1220	48	1.22	1.60	1206	2,660	198.1	44,527	1449	57	1591	63.6	6
	1372	54	1.41	1.85	1284	2,832	198.1	44,527	1449	57	1591	63.6	6
	1524	60	1.60	2.09	1390	3,065	198.1	44,527	1449	57	1591	63.6	7
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.

Additional equipment

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

300 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)
● Programmable auto shutdown
● Fuel filter with water separator
● Fuel shutoff valve
● Full-flow oil filter
● Turbocharger with charge-air cooler
▲ Reversing electric variable-speed fan drive
● Glow-plug start aid
● 500-hour engine-oil-change interval
● 70% (35 deg.) off-level capability
● Engine-oil-sampling valve
▲ Chrome exhaust stack
▲ Engine coolant heater
▲ Engine air precleaner
▲ Severe-duty fuel filter
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
● Powerwise Plus™ hydraulic-management system
▲ Auxiliary hydraulics with combination piping
▲ Auxiliary pilot and electric controls
▲ Hydraulic filter restriction indicator kit
▲ Load-lowering control / Anti-drift device
▲ Single-pedal propel control
▲ Dual pump-flow combiner
▲ 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 guides, front idler and center
● 2-speed propel with automatic shift
● Upper carrier rollers (2)
● Sealed and lubricated track chain
● Heavy-duty undercover
▲ Triple semi-grouser shoes, 700 mm (28 in.)
▲ Triple semi-grouser shoes, 800 mm (32 in.)

300 P Upperstructure
● Right-hand, left-hand, and counterweight mirrors
● Vandal locks with ignition key: Cab door / Service doors / Toolbox
● Debris screen in side panel
● Remote-mounted engine oil and fuel filters
▲ “D” channel guard
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, 3.11 m (10 ft. 2 in.)
▲ Arm, 3.76 m (12 ft. 4 in.)
▲ Attachment quick-couplers
▲ Boom cylinder with plumbing to mainframe for less boom and arm
▲ Buckets: Heavy duty / Heavy-duty high capacity / Side cutters and teeth
▲ Hydraulic thumb
Operator's Station
● 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,

300 P Operator's Station (continued)
engine oil pressure indicator light with audible 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
▲ Hydraulic oil filter restriction indicator light
▲ Premium thermally heated and actively cooled leather seat
▲ Protection screens for cab front, rear, and side
▲ Window vandal-protection covers
▲ In-monitor adjustable flow and pressure auxiliary hydraulics with auxiliary function lever (AFL)
Electrical
● 300-amp alternator
● Blade-type multi-fused circuits
● Positive-terminal battery covers
● Battery-disconnect switch
● JDLink™ wireless communication system (available in specific countries; see your dealer for details)
● Rearview camera
▲ Right rear left 270-deg. camera system with additional LED surround lighting
▲ Cab extension wiring harness
Lights
● Work lights: LED / 1 mounted on left side of boom / 1 mounted on frame
Trim Packages
● Level 1: Mechanical seat and standard front LED work lights
▲ Level 2: Heated, air-suspension seat and standard front LED work lights
▲ Level 3: Heated, air-suspension seat; deluxe front LED work lights; and chrome exhaust
▲ Level 4: Premium-leather, thermal-heating, and active-cooling seat; deluxe front LED work lights; and chrome exhaust
Application Packages
▲ Cold-weather package: Engine-block heater
▲ Debris package: Engine air centrifugal pre-cleaner and reversing electric variable-speed fan drive with selectable intervals and manual override (for use in airborne-debris environments)

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.

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 1067-mm (42 in.) bucket, 5600-kg (12,346 lb.) counterweight, 800-mm (32 in.) triple semi-grouser shoes, full fuel tank, and 79-kg (175 lb.) operator.



JOHN DEERE