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Engine

120C

Type	John Deere 4045H with turbocharger and air-to-air charge air cooler
Non-road emission standards	certified to EPA Tier 2 emissions
Net power (ISO9249)	89 hp (66 kW) @ 2,200 rpm
Cylinders	4
Displacement	276 cu. in. (4.5 L)
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
Maximum rated flow	2 x 27.7 gpm (2 x 105 L/min.)
Pilot pump	one gear
Maximum rated flow	8.7 gpm (32.9 L/min.)
Pressure setting	570 psi (3930 kPa)
System operating pressure	
Implement circuits	4,980 psi (34 336 kPa)
Travel circuits	4,980 psi (34 336 kPa)
Swing circuits	4,690 psi (32 337 kPa)
Oil filtration	one 10-micron full-flow return filter with by-pass / one pilot oil filter / one suction filter

Cylinders

Boom (2)	
Bore	4.13 in. (105 mm)
Rod diameter	2.76 in. (70 mm)
Stroke	37.0 in. (941 mm)
Arm (1)	
Bore	4.53 in. (115 mm)
Rod diameter	3.15 in. (80 mm)
Stroke	44.7 in. (1135 mm)
Bucket (1)	
Bore	3.94 in. (100 mm)
Rod diameter	2.76 in. (70 mm)
Stroke	34.40 in. (875 mm)

Swing Mechanism

Swing speed	0–13.7 rpm
Swing torque	24,387 lb.-ft. (33 089 Nm)

Undercarriage

Carrier rollers (per side)	1
Track rollers (per side)	7
Shoes (per side)	44
Track guides	front
Track adjustment	hydraulic
Travel speed	
Low	0–2.1 mph (0–3.4 km/h)
High	0–3.4 mph (0–5.5 km/h)
Drawbar pull	22,930 lb. (10 401 kg)

Ground Pressure Data

Average ground pressure	<i>Without Blade</i>	<i>With Blade</i>
24-in. (600 mm) triple semi-grouser shoes	4.89 psi (33.7 kPa)	5.24 psi (36.1 kPa); recommended for rocky terrain, hard ground, and stumps
28-in. (700 mm) triple semi-grouser shoes	4.25 psi (29.3 kPa)	4.55 psi (31.4 kPa); recommended for general conditions and soft terrain
24-in. (600 mm) rubber crawler pad	5.17 psi (35.7 kPa)	5.87 psi (40.5 kPa)

Capacities

Fuel tank	66 gal. (250 L)
Cooling system	28 qt. (26.5 L)
Engine lubrication, including filter	15 qt. (14 L)
Hydraulic tank	20 gal. (76 L)
Hydraulic system	35 gal. (134 L)
Propel gearbox (each)	3.4 qt. (3.2 L)
Swing drive	2.6 qt. (2.8 L)

Operating Weights

With 42-in. (1067 mm), 0.79-cu.-yd. (0.60 m ³), 925-lb. (420 kg) bucket; 9-ft. 11-in. (3.01 m) arm; 5,400-lb. (2450 kg) counter-weight; 11-ft. 9-in. (3.58 m) undercarriage length; full fuel tank; and 175-lb. (79 kg) operator		
	<i>Without Blade</i>	<i>With Blade</i>
24-in. (600 mm) triple semi-grouser shoes	28,840 lb. (13 082 kg)	30,880 lb. (14 007 kg)
28-in. (700 mm) triple semi-grouser shoes	29,250 lb. (13 268 kg)	31,290 lb. (14 193 kg)
24-in. (600 mm) rubber crawler pad	30,500 lb. (13 839 kg)	32,540 lb. (14 764 kg)

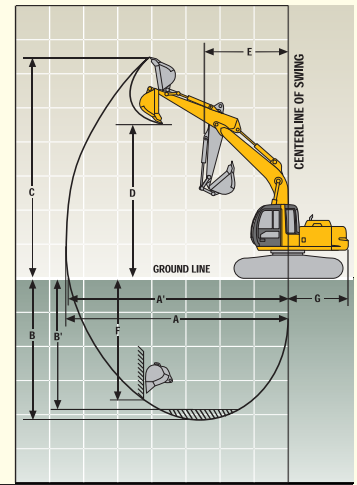
Component Weights

120C

	Without Blade	With Blade
Undercarriage		
24-in. (600 mm) triple semi-grouser shoes	9,525 lb. (4320 kg)	11,563 lb. (5245 kg)
28-in. (700 mm) triple semi-grouser shoes	9,935 lb. (4506 kg)	11,973 lb. (5431 kg)
24-in. (600 mm) rubber crawler pad	11,190 lb. (5077 kg)	13,228 lb. (6002 kg)
Upperstructure with full fuel tank (less front attachments and counterweight)	8,790 lb. (3986 kg)	
One-piece boom (with arm cylinder)	2,105 lb. (955 kg)	
Arm with bucket cylinder and linkage		
8 ft. 3 in. (2.52 m)	1,243 lb. (564 kg)	
9 ft. 11 in. (3.01 m)	1,440 lb. (654 kg)	
Boom lift cylinders (2) total weight	480 lb. (218 kg)	
42-in. (1067 mm), 0.79-cu.-yd. (0.60 m ³) bucket	925 lb. (420 kg)	
Counterweight	5,400 lb. (2450 kg)	

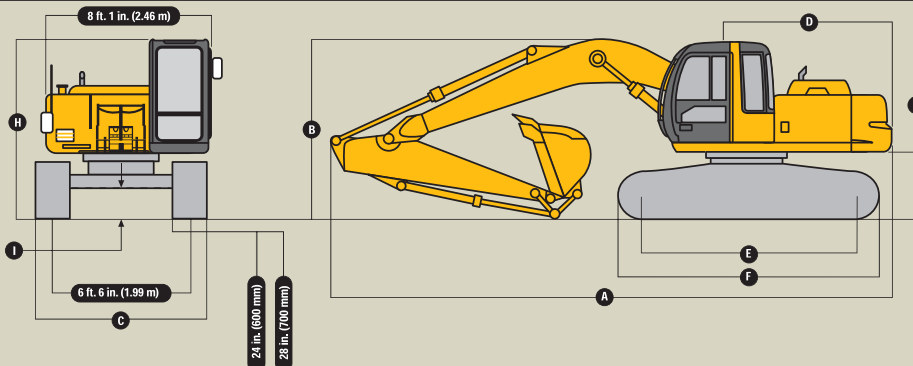
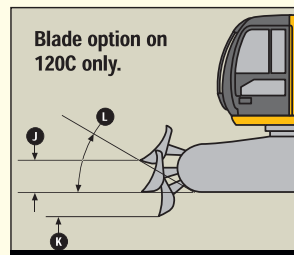
Operating Information

	Arm Length 8 ft. 3 in. (2.52 m)	Arm Length 9 ft. 11 in. (3.01 m)
Arm force with 42-in. (1067 mm), 0.79-cu. yd. (0.60 m ³) general-purpose bucket	14,620 lb. (65.0 kN)	13,172 lb. (58.6 kN)
Bucket digging force with 42-in. (1067 mm), 0.79-cu. yd. (0.60 m ³) general-purpose bucket	21,643 lb. (92.3 kN)	21,643 lb. (92.3 kN)
Lifting capacity over front @ ground level 20-ft. (6.1 m) reach, without blade	5,742 lb. (2605 kg)	5,734 lb. (2601 kg)
A Maximum reach	26 ft. 9 in. (8.145 m)	28 ft. 3 in. (8.615 m)
A' Maximum reach @ ground level	26 ft. 4 in. (8.015 m)	27 ft. 10 in. (8.495 m)
B Maximum digging depth	17 ft. 10 in. (5.445 m)	19 ft. 6 in. (5.935 m)
B' Maximum digging depth @ 8-ft. (2.44 m) flat bottom	17 ft. 2 in. (5.225 m)	18 ft. 10 in. (5.745 m)
C Maximum cutting height	27 ft. 8 in. (8.445 m)	28 ft. 9 in. (8.775 m)
D Maximum dumping height	20 ft. 7 in. (6.285 m)	21 ft. 8 in. (6.615 m)
E Minimum swing radius	7 ft. 8 in. (2.34 m)	8 ft. 6 in. (2.59 m)
F Maximum vertical wall	16 ft. 1 in. (4.895 m)	17 ft. 7 in. (5.375 m)
G Tail swing radius	7 ft. 0 in. (2.13 m)	7 ft. 0 in. (2.13 m)



Dimensions

A With 8-ft. 3-in. (2.52 m) arm	25 ft. 0 in. (7.61 m)
With 9-ft. 11-in. (3.01 m) arm	25 ft. 0 in. (7.62 m)
B With 8-ft. 3-in. (2.52 m) arm	8 ft. 10 in. (2.68 m)
With 9-ft. 11-in. (3.01 m) arm*	8 ft. 10 in. (2.68 m)
C With 24-in. (600 mm) triple semi-grouser shoes	8 ft. 6 in. (2.59 m)
With 28-in. (700 mm) triple semi-grouser shoes	8 ft. 10 in. (2.69 m)
With 24-in. (600 mm) rubber crawler pad	8 ft. 6 in. (2.59 m)
D Rear-end length/swing radius	7 ft. 0 in. (2.13 m)
E Distance between idler/sprocket centerline	9 ft. 5 in. (2.88 m)
F Undercarriage length	11 ft. 9 in. (3.58 m)
G Counterweight clearance	2 ft. 11 in. (890 mm)
H Overall height of cab	9 ft. 0 in. (2740 mm)
I Minimum ground clearance	17 in. (440 mm)
J Blade lift height	15 in. (380 mm)
K Blade cut below grade	23 in. (580 mm)
L Blade lift angle	17 degrees
Blade length	8 ft. 2 in. (2.48 m)
Blade height	25 in. (640 mm)
Blade width	
With 24-in. (600 mm) triple semi-grouser shoes/rubber crawler pad	8 ft. 6 in. (2.59 m)
With 28-in. (700 mm) triple semi-grouser shoes	8 ft. 10 in. (2.69 m)



Lift Capacities

120C

Boldface italic type indicates hydraulic-limited capacities; lightface type indicates stability-limited capacities, in lb. (kg). Ratings at bucket lift hook, machine equipped with 0.79-cu. yd. (0.60 m³), 42-in. (1067 mm) wide, 925-lb. (420 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. Ratings are based on SAE J1097.

Load Point Height	5 ft. (1.52 m)		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	Over Front	Over Side
<i>With 8-ft. 3-in. (2.52 m) arm and 24-in. (600 mm) shoes, without blade</i>										
20 ft. (6.10 m)					5,717 (2593)	5,717 (2593)				
15 ft. (4.57 m)					5,738 (2603)	5,738 (2603)	5,700 (2585)	4,187 (1899)		
10 ft. (3.05 m)					7,220 (3275)	6,739 (3057)	6,120 (2776)	4,067 (1845)		
5 ft. (1.52 m)					9,476 (4298)	6,177 (2802)	5,876 (2665)	3,840 (1742)		
Ground Line			10,024 (4547)	10,024 (4547)	8,970 (4069)	5,721 (2595)	5,647 (2561)	3,628 (1646)		
-5 ft. (-1.52 m)	6,914 (3136)	6,914 (3136)	17,858 (8100)	10,632 (4823)	8,747 (3968)	5,522 (2505)	5,525 (2506)	3,515 (1594)		
-10 ft. (-3.05 m)	13,809 (6264)	13,809 (6264)	15,529 (7044)	10,802 (4900)	8,777 (3981)	5,549 (2517)	5,589 (2535)	3,574 (1621)		
-15 ft. (-4.57 m)			10,539 (4780)	10,539 (4780)						
<i>With 9-ft. 11-in. (3.01 m) arm and 24-in. (600 mm) shoes, without blade</i>										
15 ft. (4.57 m)							5,224 (2370)	4,276 (1940)		
10 ft. (3.05 m)					6,240 (2830)	6,240 (2830)	5,792 (2627)	4,122 (1870)	3,326 (1509)	2,603 (1181)
5 ft. (1.52 m)					8,599 (3900)	6,291 (2854)	5,912 (2682)	3,867 (1754)	3,979 (1805)	2,519 (1143)
Ground Line			12,637 (5732)	10,797 (4897)	9,013 (4088)	5,750 (2608)	5,640 (2558)	3,614 (1639)	3,870 (1755)	2,416 (1096)
-5 ft. (-1.52 m)	6,513 (2954)	6,513 (2954)	16,617 (7537)	10,490 (4758)	8,693 (3943)	5,464 (2478)	5,467 (2480)	3,455 (1567)		
-10 ft. (-3.05 m)	14,186 (6435)	14,186 (6435)	16,606 (7532)	10,571 (4795)	8,645 (3921)	5,421 (2459)	5,451 (2473)	3,440 (1560)		
-15 ft. (-4.57 m)			12,654 (5740)	10,941 (4963)	8,492 (3852)	5,624 (2551)				
<i>With 8-ft. 3-in. (2.52 m) arm and 28-in. (700 mm) shoes or 24-in. (600 mm) rubber crawler pad, without blade</i>										
20 ft. (6.10 m)					5,717 (2593)	5,717 (2593)				
15 ft. (4.57 m)					5,738 (2603)	5,738 (2603)	5,700 (2585)	4,252 (1929)		
10 ft. (3.05 m)					7,220 (3275)	6,832 (3099)	6,215 (2819)	4,132 (1874)		
5 ft. (1.52 m)					9,476 (4298)	6,270 (2844)	5,971 (2708)	3,906 (1772)		
Ground Line			10,024 (4547)	10,024 (4547)	9,110 (4132)	5,815 (2638)	5,742 (2605)	3,693 (1675)		
-5 ft. (-1.52 m)	6,914 (3136)	6,914 (3136)	17,858 (8100)	10,797 (4897)	8,888 (4032)	5,616 (2547)	5,620 (2549)	3,580 (1624)		
-10 ft. (-3.05 m)	13,809 (6264)	13,809 (6264)	15,529 (7044)	10,968 (4975)	8,918 (4045)	5,642 (2559)	5,683 (2578)	3,639 (1651)		
-15 ft. (-4.57 m)			10,539 (4780)	10,539 (4780)						
<i>With 9-ft. 11-in. (3.01 m) arm and 28-in. (700 mm) shoes or 24-in. (600 mm) rubber crawler pad, without blade</i>										
15 ft. (4.57 m)							5,224 (2370)	4,342 (1969)		
10 ft. (3.05 m)					6,240 (2830)	6,240 (2830)	5,792 (2627)	4,188 (1900)	3,326 (1509)	2,653 (1203)
5 ft. (1.52 m)					8,599 (3900)	6,384 (2896)	6,007 (2725)	3,932 (1784)	4,051 (1837)	2,569 (1165)
Ground Line			12,637 (5732)	10,692 (4850)	9,154 (4152)	5,843 (2650)	5,734 (2601)	3,680 (1669)	3,941 (1788)	2,466 (1119)
-5 ft. (-1.52 m)	6,513 (2954)	6,513 (2954)	16,617 (7537)	10,655 (4833)	8,834 (4007)	5,557 (2521)	5,562 (2523)	3,520 (1597)		
-10 ft. (-3.05 m)	14,186 (6435)	14,186 (6435)	16,606 (7532)	10,737 (4870)	8,786 (3985)	5,515 (2502)	5,546 (2516)	3,505 (1590)		
-15 ft. (-4.57 m)			12,654 (5740)	11,107 (5038)	8,492 (3852)	5,718 (2594)				
<i>With 8-ft. 3-in. (2.52 m) arm and 24-in. (600 mm) shoes, blade on ground</i>										
20 ft. (6.10 m)					5,717 (2593)	5,717 (2593)				
15 ft. (4.57 m)					5,738 (2603)	5,738 (2603)	5,700 (2585)	4,514 (2048)		
10 ft. (3.05 m)					7,220 (3275)	7,209 (3270)	6,428 (2916)	4,394 (1993)		
5 ft. (1.52 m)					9,476 (4298)	6,647 (3015)	7,338 (3328)	4,168 (1891)		
Ground Line			10,024 (4547)	10,024 (4547)	11,241 (5099)	6,191 (2808)	8,157 (3700)	3,956 (1794)		
-5 ft. (-1.52 m)	6,914 (3136)	6,914 (3136)	17,858 (8100)	11,463 (5200)	11,702 (5308)	5,992 (2718)	8,368 (3796)	3,843 (1743)		
-10 ft. (-3.05 m)	13,809 (6264)	13,809 (6264)	15,529 (7044)	11,634 (5277)	10,657 (4834)	6,019 (2730)	6,949 (3152)	3,902 (1770)		
-15 ft. (-4.57 m)			10,539 (4780)	10,539 (4780)						
<i>With 9-ft. 11-in. (3.01 m) arm and 24-in. (600 mm) shoes, blade on ground</i>										
15 ft. (4.57 m)							5,224 (2370)	4,604 (2088)		
10 ft. (3.05 m)					6,240 (2830)	6,240 (2830)	5,792 (2627)	4,450 (2018)	3,326 (1509)	2,854 (1295)
5 ft. (1.52 m)					8,599 (3900)	6,761 (3067)	6,814 (3091)	4,194 (1902)	5,038 (2285)	2,771 (1257)
Ground Line			12,637 (5732)	11,628 (5274)	10,690 (4849)	6,220 (2821)	7,806 (3541)	3,942 (1788)	5,359 (2431)	2,668 (1210)
-5 ft. (-1.52 m)	6,513 (2954)	6,513 (2954)	16,617 (7537)	11,321 (5135)	11,594 (5259)	5,934 (2692)	8,296 (3763)	3,782 (1715)		
-10 ft. (-3.05 m)	14,186 (6435)	14,186 (6435)	16,606 (7532)	11,403 (5172)	11,080 (5026)	5,891 (2672)	7,772 (3525)	3,768 (1709)		
-15 ft. (-4.57 m)			12,654 (5740)	11,773 (5340)	8,492 (3852)	6,094 (2764)				
<i>With 8-ft. 3-in. (2.52 m) arm and 28-in. (700 mm) shoes or 24-in. (600 mm) rubber crawler pad, blade on ground</i>										
20 ft. (6.10 m)					5,717 (2593)	5,717 (2593)				
15 ft. (4.57 m)					5,738 (2603)	5,738 (2603)	5,700 (2585)	4,579 (2077)		
10 ft. (3.05 m)					7,220 (3275)	7,220 (3275)	6,428 (2916)	4,459 (2023)		
5 ft. (1.52 m)					9,476 (4298)	6,740 (3057)	7,338 (3328)	4,233 (1920)		
Ground Line			10,024 (4547)	10,024 (4547)	11,241 (5099)	6,285 (2851)	8,157 (3700)	4,021 (1824)		
-5 ft. (-1.52 m)	6,914 (3136)	6,914 (3136)	17,858 (8100)	11,628 (5274)	11,702 (5308)	6,086 (2761)	8,368 (3796)	3,908 (1773)		
-10 ft. (-3.05 m)	13,809 (6264)	13,809 (6264)	15,529 (7044)	11,799 (5352)	10,657 (4834)	6,112 (2772)	6,949 (3152)	3,967 (1799)		
-15 ft. (-4.57 m)			10,539 (4780)	10,539 (4780)						

Lift Capacities (continued)

120C

Boldface italic type indicates hydraulic-limited capacities; lightface type indicates stability-limited capacities, in lb. (kg). Ratings at bucket lift hook, machine equipped with 0.79-cu. yd. (0.60 m³), 42-in. (1067 mm) wide, 925-lb. (420 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. Ratings are based on SAE J1097.

Load Point Height	5 ft. (1.52 m)		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	Over Front	Over Side	
<i>With 9-ft. 11-in. (3.01 m) arm and 28-in. (700 mm) shoes or 24-in. (600 mm) rubber crawler pad, blade on ground</i>											
15 ft. (4.57 m)								5,224 (2370)	4,669 (2118)		
10 ft. (3.05 m)					6,240 (2830)	6,240 (2830)	5,792 (2627)	4,515 (2048)	3,326 (1509)	2,904 (1317)	
5 ft. (1.52 m)					8,599 (3900)	6,354 (3109)	6,814 (3091)	4,259 (1932)	5,038 (2285)	2,821 (1280)	
Ground Line			12,637 (5732)	11,793 (5349)	10,690 (4849)	6,313 (2864)	7,806 (3541)	4,007 (1818)	5,359 (2431)	2,718 (1233)	
-5 ft. (-1.52 m)	6,513 (2954)	6,513 (2954)	16,617 (7537)	11,487 (5210)	11,594 (5259)	6,027 (2734)	8,296 (3763)	3,847 (1745)			
-10 ft. (-3.05 m)	14,186 (6435)	14,186 (6435)	16,606 (7532)	11,568 (5247)	11,080 (5026)	5,984 (2714)	7,772 (3525)	3,833 (1739)			
-15 ft. (-4.57 m)			12,654 (5740)	11,938 (5415)	8,492 (3852)	6,188 (2807)					

Buckets

A full line of buckets is offered to meet a wide variety of applications. 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 8 ft. 3 in. (2.52 m)		Arm Dig Force 9 ft. 11 in. (3.01 m)		Bucket Tip Radius		No. Teeth
	in.	mm	cu. yd.	m ³	lb.	kg	lb.	kN	lb.	kN	lb.	kN	in.	mm	
General-Purpose	18	460	0.34	0.26	723	328	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	3
Plate Lip	24	610	0.50	0.38	893	405	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	4
	30	760	0.64	0.49	1,066	484	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	4
	36	915	0.78	0.60	1,081	490	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	5
	42	1065	0.79	0.60	926	420	21,463	92.3	14,620	65.0	13,172	58.6	43.5	1105	6
	42	1065	0.92	0.70	1,000	453	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	6
	48	1220	1.06	0.81	1,441	654	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	7
Heavy-Duty	18	460	0.34	0.26	869	394	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	3
Plate Lip	24	610	0.50	0.38	938	425	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	4
	30	760	0.64	0.49	1,122	509	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	4
	36	915	0.78	0.60	1,298	589	18,675	83.1	13,639	60.7	12,644	56.3	50.0	1270	5
Ditching	48	1220	0.67	0.51	841	381	25,230	112.2	14,948	66.5	13,722	61.0	37.0	940	0
	60	1525	0.90	0.69	937	425	25,230	112.2	14,948	66.5	13,722	61.0	37.0	940	0

*All capacities are SAE heaped ratings.

Bucket Selection Guide

Recommended Bucket Size*	General-Purpose Bucket	Heavy-Duty Bucket
Material (loose weight)		
Wood chips - 700 lb./cu. yd. (420 kg/m ³)	3.25 cu. yd. (2.5 m ³)	—
Peat, dry - 750 lb./cu. yd. (440 kg/m ³)	2.75 cu. yd. (2.1 m ³)	—
Cinders - 950 lb./cu. yd. (560 kg/m ³)	2.00 cu. yd. (1.5 m ³)	—
Peat, wet - 1,170 lb./cu. yd. (690 kg/m ³)	1.75 cu. yd. (1.3 m ³)	—
Topsoil - 1,600 lb./cu. yd. (950 kg/m ³)	1.38 cu. yd. (1.1 m ³)	—
Coal - 1,780 lb./cu. yd. (1050 kg/m ³)	1.25 cu. yd. (1.0 m ³)	—
Caliche - 2,100 lb./cu. yd. (1250 kg/m ³)	0.63-0.88 cu. yd. (0.5-0.7 m ³)	0.50-0.75 cu. yd. (0.4-0.6 m ³)
Earth, loam - 2,100 lb./cu. yd. (1250 kg/m ³)	0.88 cu. yd. (0.7 m ³)	0.75 cu. yd. (0.6 m ³)
Shale - 2,250 lb./cu. yd. (1330 kg/m ³)	0.88 cu. yd. (0.7 m ³)	0.75 cu. yd. (0.6 m ³)
Sand, dry - 2,400 lb./cu. yd. (1420 kg/m ³)	0.88 cu. yd. (0.7 m ³)	0.75 cu. yd. (0.6 m ³)
Clay, dry - 2,500 lb./cu. yd. (1480 kg/m ³)	0.63-0.88 cu. yd. (0.5-0.7 m ³)	0.75 cu. yd. (0.6 m ³)
Earth, dry - 2,550 lb./cu. yd. (1510 kg/m ³)	0.63-0.75 cu. yd. (0.5-0.6 m ³)	0.63 cu. yd. (0.5 m ³)
Limestone, broken or crushed - 2,600 lb./cu. yd. (1540 kg/m ³)	0.50-0.75 cu. yd. (0.4-0.6 m ³)	0.50-0.63 cu. yd. (0.4-0.5 m ³)
Earth, wet - 2,700 lb./cu. yd. (1600 kg/m ³)	0.75 cu. yd. (0.6 m ³)	0.63 cu. yd. (0.5 m ³)
Clay, wet - 2,800 lb./cu. yd. (1660 kg/m ³)	0.75 cu. yd. (0.6 m ³)	0.63 cu. yd. (0.5 m ³)
Rock, granite, blasted and broken - 2,800 lb./cu. yd. (1660 kg/m ³)	0.63-0.88 cu. yd. (0.5-0.7 m ³)	0.50-0.75 cu. yd. (0.4-0.6 m ³)
Sand, moist - 2,850 lb./cu. yd. (1690 kg/m ³)	0.75 cu. yd. (0.6 m ³)	0.63 cu. yd. (0.5 m ³)
Sand and gravel, dry - 2,900 lb./cu. yd. (1720 kg/m ³)	0.75 cu. yd. (0.6 m ³)	0.63 cu. yd. (0.5 m ³)
Sand, wet - 3,100 lb./cu. yd. (1840 kg/m ³)	0.63 cu. yd. (0.5 m ³)	0.50 cu. yd. (0.4 m ³)
Sand and gravel, wet - 3,400 lb./cu. yd. (2020 kg/m ³)	0.63 cu. yd. (0.5 m ³)	0.50 cu. yd. (0.4 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; and for flat and level operations, less compacted materials, and volume loading applications such as mass excavation in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications and uneven surfaces. Bucket capacity indicated is SAE heaped.

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