

744L WHEEL LOADER

20-Aug-2020

Code	Description	Qty	List Price(USD)
7680DW	744L WHEEL LOADER	1	\$395,606.00

Option Codes

2605	English Decals and Manuals	1	No Added Cost
0810	Standard Gathering Group	1	No Added Cost
1010	Standard Wheel Loader	1	No Added Cost
0924	John Deere PowerTech Engine	1	\$48,084.00
1520	Automatic Reversing Hydraulic Fan	1	\$1,755.00
1430	Engine Air Intake System with Centrifugal Precleaner	1	\$617.00
1310	Flat Black Curved Stack	1	No Added Cost
	Standard Fuel Filter with Water Separator and Standard		
1610	Fuel Fill	1	No Added Cost
9045	Quick Fluid Service with Environmental Drain	1	\$850.00
1220	150 Amp Alternator	1	\$675.00
2730	30 Amp Converter	1	\$265.00
7120	Halogen Work and Drive Lights	1	No Added Cost
	5-Speed Powershift Transmission with Lock-up Torque		
1120	Converter	1	No Added Cost
	Axles with Hydraulic Locking Front Differential and		
3056	Standard Rear	1	No Added Cost
3120	Manual Axle Differential Lock	1	No Added Cost
2010	Standard Z-BAR	1	No Added Cost
5705	Less Autolube	1	-\$6,000.00
2360	Joystick Controls	1	\$571.00
2402	Two Function Hydraulics	1	No Added Cost
1970	Hydrau Hydraulic Fluid	1	No Added Cost
1910	Premium Cab	1	-\$512.00
8450	Cab with Air A/C Charge	1	No Added Cost
	Premium Seat, Heated and Ventilated with Heavy Duty Air		
2240	Suspension	1	\$1,295.00
1940	7 inch Monitor	1	No Added Cost
8350	Remote Powered and Heated Exterior Mirrors	1	\$712.00
8370	Premium Radio	1	\$850.00
8240	Rear Camera Only	1	No Added Cost
8275	LED Strobe Beacon with Left Beacon Bracket	1	\$275.00
2120	Steering Wheel Only	1	\$500.00

2870	No Payload Scale with Cycle Counter	1	\$119.00
170C	JDLink Ultimate 5 Year Subscription	1	No Added Cost
5540	Full Width Front Fenders	1	No Added Cost
	26.5R25 Michelin Radial XHA2 L3 2-Star Tires with 5 pc.		
4811	Rims	1	\$36,967.00
5320	Less Tire Pressure Monitoring System	1	No Added Cost
8567	Factory Pin-on Bucket Ready	1	No Added Cost
	5.85 Cu. Yd. (4.5 Cu. M) Enhanced Production Material		
8959	Handling Pin-On Bucket without Wear Plates	1	\$14,618.00
8881	Bolt-on Cutting Edge	1	\$1,900.00
5840	No Fork Frame	1	No Added Cost
5940	No Tines	1	No Added Cost
8110	Main Counterweight	1	No Added Cost
9410	Transmission and Bottom Guards	1	\$2,340.00
9525	Slow Moving Vehicle (SMV) Emblem	1	\$157.00

Total **\$501,644.00**

Manufacturer's Suggested List Price shown. Retail prices may vary by dealer. Unless stated otherwise, taxes, freight, setup, delivery and other dealer specific charges not included in the pricing. Options/items noted with anything other than price will have additional costs. Pricing, availability, and specifications subject to change without notice. Special program pricing may be available on certain models. See dealer for details. Prices shown are in U.S. dollars and valid only in the U.S.



744L 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.

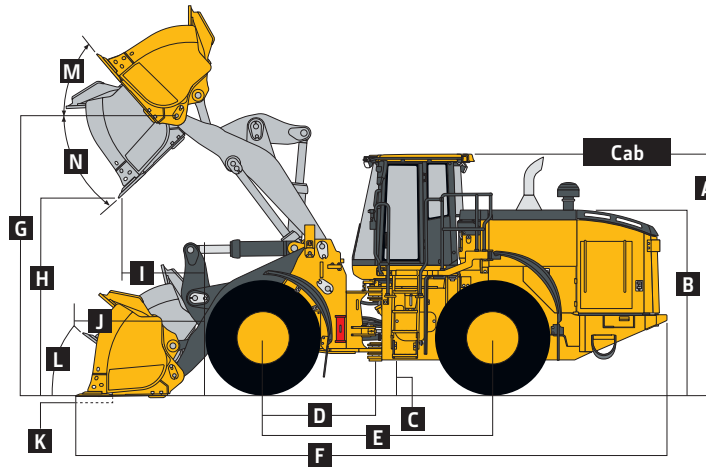
Engine		744L	
Manufacturer and Model	John Deere PowerTech™ PSS 6090	Net Torque Rise	50%
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	Fuel System (electronically controlled)	High-pressure common rail
Cylinders	6	Lubrication	Full-flow spin-on filter and integral cooler
Valves per Cylinder	4	Aspiration	Series turbocharged, charge air cooled
Displacement	9.0 L (548 cu. in.)	Air Cleaner	Under-hood, dual-element dry type, restriction indicator in cab monitor for service
Net Peak Power (ISO 9249)	236 kW (316 hp) at 1,500 rpm		
Net Peak Torque (ISO 9249)	1501 Nm (1,107 lb.-ft.) at 1,400 rpm		
Cooling			
Fan Drive	Hydraulically driven, proportionally controlled, fan aft of coolers		
Electrical			
Electrical System	24 volt with 150-amp alternator		
Batteries (2 – 12 volt)	1,400 CCA (each)		
Transmission System			
Type	Countershaft-type PowerShift™ with lockup torque converter		
Torque Converter	Single stage, dual phase with freewheeling stator with lockup clutch		
Shift Control	Electronically modulated, adaptive, load and speed dependent		
Operator Interface	Steering-column or joystick-mounted F-N-R and gear-select lever; Quick-Shift button on hydraulic lever		
Shift Modes	Manual/auto (1st–5th or 2nd–5th); Quick-Shift button with 2 selectable modes: kick-down or kick-up/down; and 4 settings for clutch cutoff		
Maximum Travel Speeds (with 26.5 R 25, 1 Star L3 tires)			
	Forward	Reverse	
Range 1	7.1 km/h (4.4 mph)	7.1 km/h (4.4 mph)	
Range 2	12.8 km/h (8.0 mph)	12.8 km/h (8.0 mph)	
Range 3	19.6 km/h (12.8 mph)	28.0 km/h (17.4 mph)	
Range 4	28.0 km/h (17.4 mph)	N/A	
Range 5	40.0 km/h (24.9 mph)	N/A	
Axles/Brakes			
Final Drives	Heavy-duty inboard-mounted planetary		
Differentials	Hydraulic locking front with conventional rear – standard; dual locking front and rear – optional		
Rear Axle Oscillation, Stop to Stop (with 26.5 R 25, 1 Star L3 tires)	26 deg. (13 deg. each direction)		
Brakes (conform to ISO 3450)			
Service	Hydraulically actuated, spring released, inboard, sun-gear mounted, oil cooled, self-adjusting, single disc		
Parking	Automatic spring applied, hydraulically released, oil cooled, multi disc		
Tires/Wheels			
(see page 19 for complete tire adjustments)			
	Tread Width	Width Over Tires	
Michelin 26.5 R 25, 2 Star L3	2298 mm (90.5 in.)	3084 mm (121.4 in.)	
Serviceability			
Refill Capacities			
Fuel Tank With Lockable Cap	477 L (126 gal.)	Transmission Reservoir With Vertical Filter	28.0 L (29.5 qt.)
Diesel Exhaust Fluid (DEF)	26.3 L (6.9 gal.)	Axle Oil (front and rear, each)	55.3 L (58.4 qt.)
Cooling System	48 L (50.7 qt.)	Hydraulic Reservoir and Filter	142 L (37.5 gal.)
Engine Oil With Vertical Spin-On Filter	34 L (36 qt.)	Park Brake Oil (wet disc)	0.7 L (24 oz.)
Hydraulic System/Steering			
Loader Pumps	2 variable-displacement, load-sensing axial-piston pumps; closed-center system		
Maximum Rated Flow at 6895 kPa (1,000 psi) and 2,000 rpm	484.5 L/m (128 gpm)		
Steering Pump	1 variable-displacement, load-sensing axial-piston pump; closed-center system		
Maximum Rated Flow at 6895 kPa (1,000 psi) and 2,000 rpm	161.5 L/m (43 gpm)		
System Relief Pressure (loader and steering)	23 000 kPa (3,336 psi)		
Loader Controls	2-function valve; single- or dual-lever controls; control lever lockout feature; optional 3rd- and 4th-function valve with auxiliary controls		
Steering (conforms to ISO 5010)			
Type	Power, fully hydraulic		
Articulation Angle	80-deg. arc (40 deg. each direction)		
Turning Radius (measured to centerline of outside tire)	5.92 m (19 ft. 5 in.)		

744L SPECIFICATIONS



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Hydraulic System/Steering <i>(continued)</i>		744L
Hydraulic Cycle Times		Standard-Lift / High-Lift
Raise		5.9 sec.
Dump		1.4 sec.
Lower (float down)		2.8 sec.
Total		10.1 sec.
Dimensions and Specifications With Pin-On Bucket		



744L STANDARD-LIFT AND HIGH-LIFT LOADERS WITH PIN-ON BUCKET

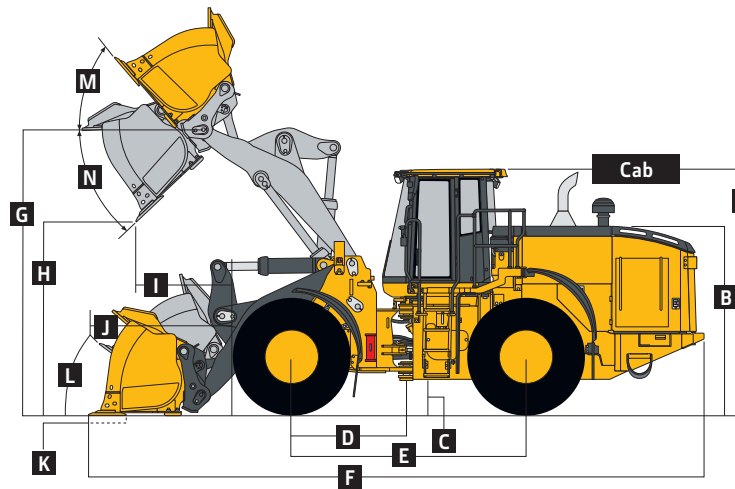
	Standard-Lift			Standard-Lift			Standard-Lift			Standard-Lift			Standard-Lift			Standard-Lift			High-Lift		
	4.0-m ³ (5.25 cu. yd.) general-purpose			4.2-m ³ (5.5 cu. yd.) general-purpose			4.5-m ³ (5.85 cu. yd.) material-handling			4.5-m ³ (5.85 cu. yd.) material-handling			4.5-m ³ (5.85 cu. yd.) material-handling			4.5-m ³ (5.85 cu. yd.) material-handling			4.0-m ³ (5.25 cu. yd.) general-purpose		
Dimensions With Bucket	4.0-m ³ (5.25 cu. yd.) general-purpose			4.2-m ³ (5.5 cu. yd.) general-purpose			4.5-m ³ (5.85 cu. yd.) material-handling			4.5-m ³ (5.85 cu. yd.) material-handling			4.5-m ³ (5.85 cu. yd.) material-handling			4.5-m ³ (5.85 cu. yd.) material-handling			4.0-m ³ (5.25 cu. yd.) general-purpose		
Cutting Edge Type	bolt-on edge	teeth and segments	JAGZ™	bolt-on edge	teeth and segments	JAGZ	bolt-on edge	teeth and segments	JAGZ	bolt-on edge	teeth and segments	JAGZ	bolt-on edge	teeth and segments	JAGZ	bolt-on edge	teeth and segments	JAGZ	bolt-on edge	teeth and segments	JAGZ
A Height to Top of Cab	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)
B Hood Height	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)
C Ground Clearance	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)
D Length From Centerline to Front Axle	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)
E Wheelbase	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)
F Overall Length, Bucket on Ground	9.02 m (29 ft. 7 in.)	9.23 m (30 ft. 4 in.)	9.02 m (29 ft. 7 in.)	9.10 m (29 ft. 10 in.)	9.30 m (30 ft. 6 in.)	9.10 m (29 ft. 10 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.16 m (30 ft. 1 in.)	9.66 m (31 ft. 8 in.)	9.66 m (31 ft. 8 in.)	9.66 m (31 ft. 8 in.)
G Height to Hinge Pin, Fully Raised	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.84 m (15 ft. 11 in.)	4.84 m (15 ft. 11 in.)	4.84 m (15 ft. 11 in.)
H Dump Clearance, 45 deg., Full Height	3.04 m (10 ft. 0 in.)	2.90 m (9 ft. 6 in.)	3.04 m (10 ft. 0 in.)	2.98 m (9 ft. 9 in.)	2.85 m (9 ft. 4 in.)	2.99 m (9 ft. 10 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	3.69 m (12 ft. 1 in.)	3.69 m (12 ft. 1 in.)	3.69 m (12 ft. 1 in.)
I Reach, 45-deg. Dump, Full Height	1.27 m (4 ft. 2 in.)	1.41 m (4 ft. 7 in.)	1.27 m (4 ft. 2 in.)	1.32 m (4 ft. 4 in.)	1.45 m (4 ft. 9 in.)	1.32 m (4 ft. 4 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)	1.53 m (5 ft. 0 in.)	1.53 m (5 ft. 0 in.)	1.53 m (5 ft. 0 in.)
J Reach, 45-deg. Dump, 2.13-m (7 ft. 0 in.) Clearance	1.89 m (6 ft. 2 in.)	1.96 m (6 ft. 5 in.)	1.89 m (6 ft. 2 in.)	1.92 m (6 ft. 4 in.)	1.98 m (6 ft. 6 in.)	1.92 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	2.45 m (8 ft. 0 in.)	2.45 m (8 ft. 0 in.)	2.45 m (8 ft. 0 in.)
K Maximum Digging Depth	104 mm (4.1 in.)	120 mm (4.7 in.)	101 mm (4.0 in.)	110 mm (4.3 in.)	130 mm (5.1 in.)	107 mm (4.2 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	115 mm (4.5 in.)	219 mm (8.6 in.)	219 mm (8.6 in.)	219 mm (8.6 in.)
L Maximum Rollback at Ground Level	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	40.2 deg.	41.2 deg.	41.2 deg.	41.2 deg.
M Maximum Rollback, Boom Fully Raised	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	53.1 deg.	53.1 deg.	53.1 deg.
N Maximum Bucket Dump Angle, Fully Raised	49.3 deg.	49.3 deg.	49.3 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	49.9 deg.	39.2 deg.	39.2 deg.	39.2 deg.
Loader Clearance Circle, Bucket Carry Position	14.01 m (46 ft. 0 in.)	14.13 m (46 ft. 4 in.)	14.01 m (46 ft. 0 in.)	14.06 m (46 ft. 2 in.)	14.22 m (46 ft. 8 in.)	14.06 m (46 ft. 2 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.10 m (46 ft. 3 in.)	14.20 m (46 ft. 7 in.)	14.20 m (46 ft. 7 in.)	14.20 m (46 ft. 7 in.)

Dimensions and Specifications With Pin-On Bucket (continued)									
	744L								
	Standard-Lift	Standard-Lift	Standard-Lift	Standard-Lift	Standard-Lift	Standard-Lift	Standard-Lift	Standard-Lift	High-Lift
	4.0-m ³ (5.25 cu. yd.) general-purpose			4.2-m ³ (5.5 cu. yd.) general-purpose enhanced production			4.5-m ³ (5.85 cu. yd.) material-handling enhanced production		4.0-m ³ (5.25 cu. yd.) general-purpose
Specifications With Bucket	bolt-on edge	teeth and segments	JAGZ	bolt-on edge	teeth and segments	JAGZ	bolt-on edge	JAGZ	bolt-on edge
Cutting Edge Type									
Capacity, Heaped	4.0 m ³ (5.25 cu. yd.)	4.0 m ³ (5.25 cu. yd.)	4.0 m ³ (5.25 cu. yd.)	4.2 m ³ (5.5 cu. yd.)	4.2 m ³ (5.5 cu. yd.)	4.2 m ³ (5.5 cu. yd.)	4.5 m ³ (5.85 cu. yd.)	4.5 m ³ (5.85 cu. yd.)	4.0 m ³ (5.25 cu. yd.)
Capacity, Heaped at 110% Fill Factor	4.4 m ³ (5.78 cu. yd.)	4.4 m ³ (5.78 cu. yd.)	4.4 m ³ (5.78 cu. yd.)	4.6 m ³ (6.05 cu. yd.)	4.6 m ³ (6.05 cu. yd.)	4.6 m ³ (6.05 cu. yd.)	5.0 m ³ (6.44 cu. yd.)	5.0 m ³ (6.44 cu. yd.)	4.4 m ³ (5.78 cu. yd.)
Capacity, Struck	3.4 m ³ (4.5 cu. yd.)	3.4 m ³ (4.5 cu. yd.)	3.4 m ³ (4.5 cu. yd.)	3.5 m ³ (4.6 cu. yd.)	3.5 m ³ (4.6 cu. yd.)	3.5 m ³ (4.6 cu. yd.)	3.8 m ³ (4.9 cu. yd.)	3.8 m ³ (4.9 cu. yd.)	3.4 m ³ (4.5 cu. yd.)
Bucket Weight With Bolt-On Cutting Edge	2592 kg (5,714 lb.)	2722 kg (6,001 lb.)	2616 kg (5,767 lb.)	2866 kg (6,318 lb.)	2998 kg (6,609 lb.)	2889 kg (6,369 lb.)	2913 kg (6,422 lb.)	2944 kg (6,473 lb.)	2592 kg (5,714 lb.)
Bucket Width	3.28 m (10 ft. 9 in.)	3.30 m (10 ft. 10 in.)	3.28 m (10 ft. 9 in.)	3.28 m (10 ft. 9 in.)	3.30 m (10 ft. 10 in.)	3.28 m (10 ft. 9 in.)	3.28 m (10 ft. 9 in.)	3.28 m (10 ft. 9 in.)	3.28 m (10 ft. 9 in.)
Breakout Force	19 414 kg (42,800 lb.)	16 941 kg (37,348 lb.)	19 447 kg (42,873 lb.)	18 307 kg (40,360 lb.)	16 057 kg (35,400 lb.)	18 339 kg (40,431 lb.)	17 550 kg (38,691 lb.)	17 501 kg (38,583 lb.)	17 396 kg (38,352 lb.)
Tipping Load, Straight, No Tire Deflection	19 933 kg (43,945 lb.)	19 759 kg (43,561 lb.)	19 904 kg (43,881 lb.)	19 457 kg (42,895 lb.)	19 279 kg (42,503 lb.)	19 437 kg (42,851 lb.)	19 310 kg (42,571 lb.)	19 274 kg (42,492 lb.)	15 813 kg (34,862 lb.)
Tipping Load, Straight, With Tire Deflection	18 633 kg (41,079 lb.)	18 462 kg (40,702 lb.)	18 603 kg (41,013 lb.)	18 180 kg (40,080 lb.)	18 003 kg (39,690 lb.)	18 159 kg (40,034 lb.)	18 033 kg (39,756 lb.)	17 997 kg (39,677 lb.)	14 874 kg (32,792 lb.)
Tipping Load, 37-deg. Partial Turn, No Tire Deflection	17 574 kg (38,744 lb.)	17 400 kg (38,360 lb.)	17 545 kg (38,680 lb.)	17 123 kg (37,750 lb.)	16 944 kg (37,355 lb.)	17 103 kg (37,706 lb.)	16 987 kg (37,450 lb.)	16 950 kg (37,368 lb.)	13 856 kg (30,547 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	17 192 kg (37,902 lb.)	17 018 kg (37,518 lb.)	17 163 kg (37,838 lb.)	16 745 kg (36,916 lb.)	16 566 kg (36,522 lb.)	16 725 kg (36,872 lb.)	16 611 kg (36,621 lb.)	16 574 kg (36,539 lb.)	13 539 kg (29,848 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	15 528 kg (34,233 lb.)	15 357 kg (33,856 lb.)	15 498 kg (33,167 lb.)	15 108 kg (33,307 lb.)	14 934 kg (32,924 lb.)	15 090 kg (33,268 lb.)	14 976 kg (33,016 lb.)	14 940 kg (32,937 lb.)	12 360 kg (27,130 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1)*	7764 kg (17,117 lb.)	7679 kg (16,929 lb.)	7749 kg (17,084 lb.)	7554 kg (16,654 lb.)	7467 kg (16,462 lb.)	7545 kg (16,634 lb.)	7488 kg (16,508 lb.)	7470 kg (16,469 lb.)	6180 kg (13,625 lb.)
Operating Weight	25 343 kg (55,872 lb.)	25 472 kg (56,156 lb.)	25 366 kg (55,922 lb.)	25 616 kg (56,474 lb.)	25 748 kg (56,765 lb.)	25 639 kg (56,524 lb.)	25 663 kg (56,577 lb.)	25 694 kg (56,646 lb.)	25 894 kg (57,086 lb.)

Loader operating information is based on machine with identified linkage and standard equipment, PowerTech PSS 6090 (EPA Final Tier 4/EU Stage V) engine, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments.

*Rated operating capacity based on Deere attachments only.

Dimensions and Specifications With Coupler and Hook-On Bucket



744L STANDARD-LIFT AND HIGH-LIFT LOADERS WITH HOOK-ON BUCKET

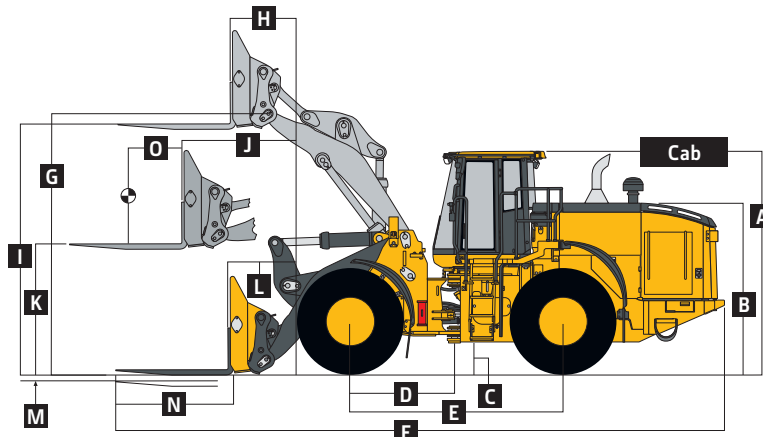
	Standard-Lift	Standard-Lift	Standard-Lift	Standard-Lift	Standard-Lift	Standard-Lift	High-Lift
	3.8-m ³ (5.0 cu. yd.) general-purpose (GP) enhanced production (EP)			4.0-m ³ (5.25 cu. yd.) general-purpose (GP) enhanced production (EP)			3.8-m ³ (5.0 cu. yd.) GP EP
Dimensions With Bucket	bolt-on edge	teeth and segments	JAGZ	bolt-on edge	teeth and segments	JAGZ	bolt-on edge
A Height to Top of Cab	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)
B Hood Height	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)
C Ground Clearance	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)	458 mm (18 in.)
D Length From Centerline to Front Axle	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)
E Wheelbase	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)
F Overall Length, Bucket on Ground	9.17 m (30 ft. 1 in.)	9.38 m (30 ft. 9 in.)	9.17 m (30 ft. 1 in.)	9.18 m (30 ft. 1 in.)	9.39 m (30 ft. 10 in.)	9.18 m (30 ft. 1 in.)	9.81 m (32 ft. 2 in.)
G Height to Hinge Pin, Fully Raised	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)	4.84 m (15 ft. 11 in.)
H Dump Clearance, 45 deg., Full Height	2.95 m (9 ft. 8 in.)	2.81 m (9 ft. 2.63 in.)	2.95 m (9 ft. 8 in.)	2.94 m (9 ft. 8 in.)	2.80 m (9 ft. 2 in.)	2.94 m (9 ft. 8 in.)	6.34 m (20 ft. 10 in.)
I Reach, 45-deg. Dump, Full Height	1.41 m (4 ft. 8 in.)	1.54 m (5 ft. 1 in.)	1.41 m (4 ft. 8 in.)	1.41 m (4 ft. 8 in.)	1.55 m (5 ft. 1 in.)	1.41 m (4 ft. 8 in.)	1.69 m (5 ft. 7 in.)
J Reach, 45-deg. Dump, 2.13-m (7 ft. 0 in.) Clearance	1.98 m (6 ft. 6 in.)	2.05 m (6 ft. 9 in.)	1.98 m (6 ft. 6 in.)	1.98 m (6 ft. 6 in.)	2.05 m (6 ft. 9 in.)	1.98 m (6 ft. 6 in.)	2.55 m (8 ft. 4 in.)

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.

744L

Dimensions and Specifications With Coupler and Hook-On Bucket (continued)							
744L							
		Standard-Lift 3.8-m ³ (5.0 cu. yd.) general-purpose (GP) enhanced production (EP)	Standard-Lift teeth and segments JAGZ	Standard-Lift 4.0-m ³ (5.25 cu. yd.) general-purpose (GP) enhanced production (EP)	Standard-Lift teeth and segments JAGZ	Standard-Lift 4.0-m ³ (5.25 cu. yd.) general-purpose (GP) enhanced production (EP)	High-Lift 3.8-m ³ (5.0 cu. yd.) GP EP bolt-on edge
Dimensions With Bucket (continued)							
Cutting Edge Type		bolt-on edge	teeth and segments	JAGZ	bolt-on edge	teeth and segments	JAGZ
K	Maximum Digging Depth	83 mm (3.3 in.)	103 mm (4.1 in.)	80 mm (3.2 in.)	88 mm (3.5 in.)	109 mm (4.3 in.)	86 mm (3.4 in.)
L	Maximum Rollback at Ground Level	40.3 deg.	40.3 deg.	40.3 deg.	40.3 deg.	40.3 deg.	40.3 deg.
M	Maximum Rollback, Boom Fully Raised	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.	54.9 deg.
N	Maximum Bucket Dump Angle, Fully Raised	49.5 deg.	49.5 deg.	49.5 deg.	49.5 deg.	49.5 deg.	49.5 deg.
Loader Clearance Circle, Bucket Carry Position		14.1 m (46 ft. 3 in.)	14.3 m (46 ft. 11 in.)	14.1 m (46 ft. 3 in.)	14.1 m (46 ft. 3 in.)	14.3 m (46 ft. 11 in.)	14.1 m (46 ft. 3 in.)
Specifications with Bucket							
Capacity, Heaped		3.8 m ³ (5.0 cu. yd.)	3.8 m ³ (5.0 cu. yd.)	3.8 m ³ (5.0 cu. yd.)	4.0 m ³ (5.25 cu. yd.)	4.0 m ³ (5.25 cu. yd.)	4.0 m ³ (5.25 cu. yd.)
Capacity, Heaped at 110% Fill Factor		4.2 m ³ (5.5 cu. yd.)	4.2 m ³ (5.5 cu. yd.)	4.2 m ³ (5.5 cu. yd.)	4.4 m ³ (5.78 cu. yd.)	4.4 m ³ (5.78 cu. yd.)	4.2 m ³ (5.5 cu. yd.)
Capacity, Struck		3.25 m ³ (4.25 cu. yd.)	3.25 m ³ (4.25 cu. yd.)	3.25 m ³ (4.25 cu. yd.)	3.4 m ³ (4.5 cu. yd.)	3.4 m ³ (4.5 cu. yd.)	3.4 m ³ (4.5 cu. yd.)
Bucket Weight With Bolt-On Cutting Edge		2499 kg (5,509 lb.)	2625 kg (5,788 lb.)	2522 kg (5,560 lb.)	2586 kg (5,701 lb.)	2712 kg (5,980 lb.)	2609 kg (5,752 lb.)
Bucket Width		3.28 m (10 ft. 9 in.)	3.30 m (10 ft. 10 in.)	3.28 m (10 ft. 9 in.)	3.28 m (10 ft. 9 in.)	3.30 m (10 ft. 10 in.)	3.28 m (10 ft. 9 in.)
Breakout Force		17 280 kg (38,096 lb.)	15 256 kg (33,634 lb.)	17 304 kg (38,149 lb.)	17 114 kg (37,730 lb.)	15 116 kg (33,325 lb.)	17 136 kg (37,778 lb.)
Tipping Load, Straight, No Tire Deflection		18 353 kg (40,461 lb.)	18 185 kg (40,091 lb.)	18 325 kg (40,400 lb.)	18 363 kg (40,483 lb.)	18 194 kg (40,111 lb.)	18 335 kg (40,422 lb.)
Tipping Load, Straight, With Tire Deflection		17 118 kg (37,739 lb.)	16 953 kg (37,375 lb.)	17 091 kg (37,679 lb.)	17 118 kg (37,739 lb.)	16 953 kg (37,375 lb.)	17 091 kg (37,679 lb.)
Tipping Load, 37-deg. Partial Turn, No Tire Deflection		16 102 kg (35,499 lb.)	15 933 kg (35,126 lb.)	16 073 kg (35,435 lb.)	16 101 kg (35,497 lb.)	15 932 kg (35,124 lb.)	16 073 kg (35,435 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection		15 737 kg (34,694 lb.)	15 569 kg (34,324 lb.)	15 709 kg (34,632 lb.)	15 735 kg (34,690 lb.)	15 566 kg (34,317 lb.)	15 707 kg (34,628 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection		14 148 kg (31,191 lb.)	13 983 kg (30,827 lb.)	14 121 kg (31,131 lb.)	14 136 kg (31,165 lb.)	13 971 kg (30,801 lb.)	14 109 kg (31,105 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1)*		7074 kg (15,595 lb.)	6922 kg (15,415 lb.)	7061 kg (15,567 lb.)	7068 kg (15,582 lb.)	6986 kg (15,401 lb.)	7055 kg (15,554 lb.)
Operating Weight		26 080 kg (57,496 lb.)	26 207 kg (57,776 lb.)	26 103 kg (57,547 lb.)	26 165 kg (57,684 lb.)	26 291 kg (57,962 lb.)	26 188 kg (57,735 lb.)
Loader operating information is based on machine with identified linkage and standard equipment, PowerTech PSS 6090 (EPA Final Tier 4/EU Stage V) engine, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments.							
*Rated operating capacity based on Deere attachments only.							

Dimensions and Specifications With Coupler and Hook-On Construction Forks



744L STANDARD-LIFT AND HIGH-LIFT LOADERS WITH HOOK-ON CONSTRUCTION FORKS

	Standard-Lift	Standard-Lift	High-Lift
Dimensions With Forks	1.83-m (72 in.) tine length	2.44-m (96 in.) tine length	1.83-m (72 in.) tine length
A	Height to Top of Cab	3.57 m (11 ft. 9 in.)	3.57 m (11 ft. 9 in.)
B	Hood Height	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)
C	Ground Clearance	458 mm (18 in.)	458 mm (18 in.)
D	Length From Centerline to Front Axle	1.70 m (5 ft. 7 in.)	1.70 m (5 ft. 7 in.)
E	Wheelbase	3.46 m (11 ft. 4 in.)	3.46 m (11 ft. 4 in.)
F	Overall Length, Forks on Ground	9.82 m (32 ft. 3 in.)	10.43 m (34 ft. 3 in.)
G	Height to Hinge Pin, Fully Raised	4.27 m (14 ft. 0 in.)	4.27 m (14 ft. 0 in.)
H	Reach, Fully Raised	0.90 m (35 in.)	1.05 m (3 ft. 5 in.)
I	Fork Height, Fully Raised	3.22 m (10 ft. 7 in.)	3.22 m (10 ft. 7 in.)
J	Maximum Reach, Fork Level	1.77 m (5 ft. 10 in.)	1.77 m (5 ft. 10 in.)
K	Fork Height, Maximum Reach	1.29 m (4 ft. 3 in.)	1.29 m (4 ft. 3 in.)
L	Reach, Ground Level	1.00 m (3 ft. 3 in.)	1.00 m (3 ft. 3 in.)
M	Depth Below Ground	56 mm (2.2 in.)	56 mm (2.2 in.)
N	Tine Length	1.83 m (72 in.)	1.83 m (72 in.)
O	Load Position, 50% Tine Length	0.92 m (36 in.)	0.92 m (36 in.)

Dimensions and Specifications With Coupler and Hook-On Construction Forks (continued)

744L

	Standard-Lift	Standard-Lift	High-Lift
Specifications With Forks	1.83-m (72 in.) tine length	2.44-m (96 in.) tine length	1.83-m (72 in.) tine length
Tipping Load, Straight, No Tire Deflection	12 911 kg (28,464 lb.)	11 705 kg (25,805 lb.)	10 792 kg (23,792 lb.)
Tipping Load, Straight, With Tire Deflection	12 507 kg (27,573 lb.)	11 355 kg (25,033 lb.)	10 470 kg (23,082 lb.)
Tipping Load, 37-deg. Partial Turn, No Tire Deflection	11 393 kg (25,117 lb.)	10 306 kg (22,721 lb.)	9466 kg (20,869 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	11 147 kg (24,575 lb.)	10 079 kg (22,220 lb.)	9252 kg (20,397 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	10 593 kg (23,354 lb.)	9594 kg (21,151 lb.)	8802 kg (19,405 lb.)
Rated Operating Load, 50% Full-Turn Tipping Load, With Tire Deflection (conforms to ISO 14397-1)*	5297 kg (11,678 lb.)	4797 kg (10,576 lb.)	4401 kg (9,703 lb.)
Rated Operating Load, Rough Terrain, 60% Full-Turn Tipping Load, With Tire Deflection (conforms to EN474-3)*	6356 kg (14,013 lb.)	5756 kg (12,690 lb.)	2641 kg (5,822 lb.)
Rated Operating Load, Firm and Level Ground, 80% Full-Turn Tipping Load, With Tire Deflection (conforms to EN474-3)*	8474 kg (18,682 lb.)	7675 kg (16,920 lb.)	3521 kg (7,762 lb.)
Operating Weight	25 013 kg (55,144 lb.)	25 185 kg (55,523 lb.)	25 564 kg (56,359 lb.)

Loader operating information is based on machine with identified linkage and standard equipment, PowerTech PSS 6090 (EPA Final Tier 4/EU Stage V) engine, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments.

*Rated operating capacity based on Deere attachments only.

LOG HANDLER Dimensions and Specifications With Pin-On Millyard Forks

	Standard-Lift		Standard-Lift
Dimensions With Millyard Forks	Wicker with 1.68-m (66 in.) tine length	Specifications With Millyard Forks	Wicker with 1.68-m (66 in.) tine length
Height to Top of Cab	3.57 m (11 ft. 9 in.)	Tipping Load, Straight, No Tire Deflection	15 823 kg (34,884 lb.)
Hood Height	2.73 m (8 ft. 11 in.)	Tipping Load, Straight, With Tire Deflection	15 801 kg (34,835 lb.)
Ground Clearance	458 mm (18 in.)	Tipping Load, 37-deg. Partial Turn, No Tire Deflection	13 902 kg (30,649 lb.)
Length From Centerline to Front Axle	1.70 m (5 ft. 7 in.)	Tipping Load, 40-deg. Full Turn, No Tire Deflection	13 591 kg (29,963 lb.)
Wheelbase	3.46 m (11 ft. 4 in.)	Tipping Load, 40-deg. Full Turn, With Tire Deflection	13 566 kg (29,908 lb.)
Overall Length, Forks on Ground	9.30 m (30 ft. 6 in.)	Operating Weight	26 265 kg (57,904 lb.)
Height to Hinge Pin, Fully Raised	4.27 m (14 ft. 0 in.)	Loader operating information is based on machine with identified linkage and standard equipment, PowerTech PSS 6090 (EPA Final Tier 4/EU Stage V) engine, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments.	
Reach, Fully Raised	2.35 m (7 ft. 9 in.)		
Fork Height, Fully Raised	3.28 m (10 ft. 9 in.)		
Maximum Reach, Fork Level	3.22 m (10 ft. 7 in.)		
Fork Height, Maximum Reach	1.30 m (4 ft. 3 in.)		
Reach, Ground Level	2.56 m (8 ft. 5 in.)		
Depth Below Ground	112 mm (4.4 in.)		
Tine Length	1.68 m (66 in.)		
Grapple Weight	2381 kg (5,250 lb.)		
Overall Grapple Width	2.21 m (87 in.) (7 ft. 3 in.)		

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.

744L

Dimensions and Specifications

With Pin-On Pipe Grapple

744L PIPE HANDLER

	<i>Standard-Lift</i>
	<i>Rockland with 0.09-m x 0.20-m x 2.44-m</i>
	<i>3.5 in. x 8.0 in. x 96.0 in.) tine length</i>
Dimensions With Pipe Grapple	
Height to Top of Cab	3.57 m (11 ft. 9 in.)
Hood Height	2.73 m (8 ft. 11 in.)
Ground Clearance	458 mm (18.0 in.)
Length From Centerline to Front Axle	1.70 m (5 ft. 7 in.)
Wheelbase	3.46 m (11 ft. 4 in.)
Overall Length, Forks on Ground	9.91 m (32 ft. 6 in.)
Height to Hinge Pin, Fully Raised	4.27 m (14 ft. 0 in.)
Reach, Fully Raised	3.34 m (11 ft. 0 in.)
Fork Height, Fully Raised	3.64 m (11 ft. 11 in.)
Maximum Reach, Fork Level	4.19 m (13 ft. 9 in.)
Fork Height, Maximum Reach	1.30 m (4 ft. 3 in.)
Reach, Ground Level	2.98 m (9 ft. 9 in.)
Depth Below Ground	470 mm (18.5 in.)
Tine Length	2.44 m (96 in.)
Grapple Weight	3406 kg (7,510 lb.)
Overall Grapple Width	3.05 m (120 in.) (10 ft. 0 in.)

	<i>Standard-Lift</i>
	<i>Rockland with 0.09-m x 0.20-m x 2.44-m</i>
	<i>3.5 in. x 8.0 in. x 96.0 in.) tine length</i>
Specifications With Pipe Grapple	
Tipping Load, Straight, No Tire Deflection	12 583 kg (27,741 lb.)
Tipping Load, Straight, With Tire Deflection	12 090 kg (26,654 lb.)
Tipping Load, 37-deg. Partial Turn, No Tire Deflection	10 935 kg (24,108 lb.)
Tipping Load, 40-deg. Full Turn, No Tire Deflection	10 668 kg (23,519 lb.)
Tipping Load, 40-deg. Full Turn, With Tire Deflection	9987 kg (22,018 lb.)
Operating Weight	27 290 kg (60,164 lb.)
Loader operating information is based on machine with identified linkage and standard equipment, PowerTech PSS 6090 (EPA Final Tier 4/EU Stage V) engine, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments.	

Adjustments to Operating Weights and Tipping Loads With Buckets

Adjustments to operating weights, tipping loads, and tires are based on Standard-Lift machine with pin-on 4.0-m³ (5.25 cu. yd.) general-purpose bucket with bolt-on cutting edge, ROPS cab, rear cast bumper/counterweight, transmission side-frame guards, bottom guards, standard tires, full fuel tank, and 79-kg (175 lb.) operator*

Add (+) or deduct (–) kg (lb.) as indicated for loaders with 3-piece rims	Operating Weight	Tipping Load, Straight	Tipping Load, 37-deg. Partial Turn	Tipping Load, 40-deg. Full Turn	Tread Width	Width Over Tires	Vertical Height
Michelin 26.5 R 25, 2 Star L-3	0 kg (0 lb.)	0 kg (0 lb.)	0 kg (0 lb.)	0 kg (0 lb.)	0 mm (0 in.)	0 mm (0 in.)	0 mm (0 in.)
Titan 26.5 R 25, 1 Star L-3	0 kg (0 lb.)	0 kg (0 lb.)	0 kg (0 lb.)	0 kg (0 lb.)	0 mm (0 in.)	–8 mm (–0.30 in.)	4 mm (0.15 in.)
Goodyear 26.5 R 25, 1 Star L-3	–56 kg (–123 lb.)	–42 kg (–93 lb.)	–38 kg (–84 lb.)	–37 kg (–82 lb.)	0 mm (0 in.)	0 mm (0 in.)	4 mm (0.15 in.)
Firestone 26.5-25, 20-Ply L-3	–360 kg (–794 lb.)	–270 kg (–595 lb.)	–242 kg (–533 lb.)	–238 kg (–525 lb.)	0 mm (0 in.)	–30 mm (–1.18 in.)	+41 mm (+1.61 in.)
Michelin 775/65 R29, 1 Star L-3 [§]	+726 kg (+1,601 lb.)	+544 kg (+1,199 lb.)	+488 kg (+1,076 lb.)	+479 kg (+1,056 lb.)	0 mm (0 in.)	+104 mm (+4.09 in.)	+23 mm (+0.91 in.)
Bridgestone 775/65 R29, 1 Star L-3 [§]	+876 kg (+1,931 lb.)	+656 kg (+1,446 lb.)	+589 kg (+1,299 lb.)	+578 kg (+1,274 lb.)	0 mm (0 in.)	+99 mm (+3.90 in.)	+14 mm (+0.55 in.)
4.2-m ³ (5.5 cu. yd.) General-Purpose Bucket With Wear Liners	+212 kg (+467 lb.)	–211 kg (–465 lb.)	–212 kg (–467 lb.)	–212 kg (–467 lb.)	0 mm (0 in.)	0 mm (0 in.)	0 mm (0 in.)
4.5-m ³ (5.85 cu. yd.) Material-Handling Bucket With Wear Liners	+278 kg (+613 lb.)	–282 kg (–622 lb.)	–283 kg (–624 lb.)	–283 kg (–624 lb.)	0 mm (0 in.)	0 mm (0 in.)	0 mm (0 in.)
High-Lift Boom	+551 kg (+1,215 lb.)	–4120 kg (–9,083 lb.)	–3718 kg (–8,196 lb.)	–3653 kg (–8,053 lb.)	0 mm (0 in.)	0 mm (0 in.)	0 mm (0 in.)

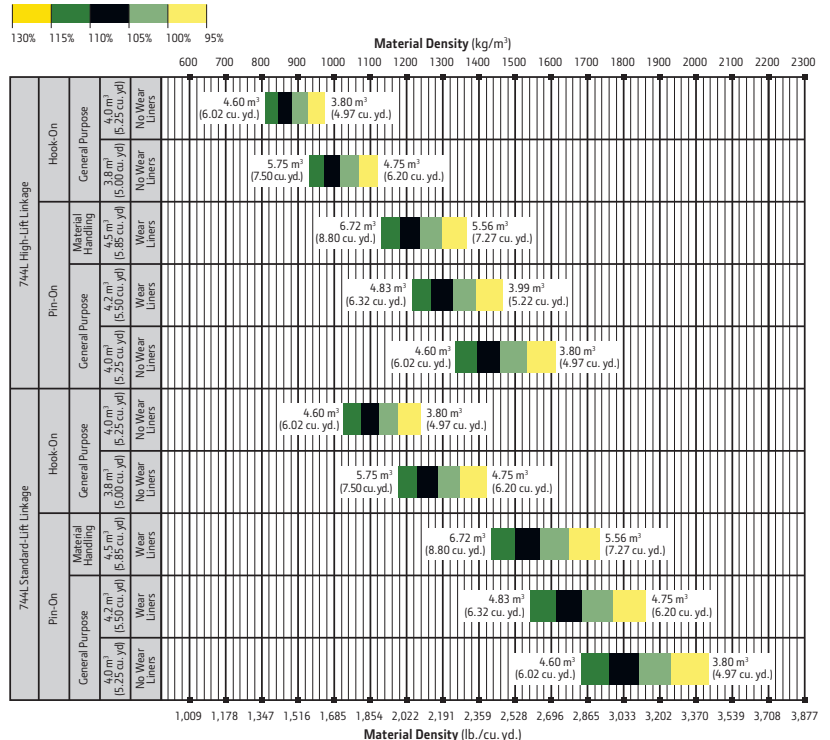
*May change based on vehicle configuration, weight, or tire-pressure adjustments.

[§]Requires 8-deg. rear axle stops.

Bucket Selection Guides

LOOSE MATERIALS	kg/m ³	lb./cu. yd.	LOOSE MATERIALS	kg/m ³	lb./cu. yd.
Chips, pulpwood	288	486	Limestone, coarse, sized	1570	2,646
Cinders (coal, ashes, clinkers)	673	1,134	Limestone, mixed sizes	1682	2,835
Clay and gravel, dry	1602	2,700	Limestone, pulverized or crushed	1362	2,295
Clay, compact, solid	1746	2,943	Sand, damp	2083	3,510
Clay, dry in lump loose	1009	1,701	Sand, dry	1762	2,970
Clay, excavated in water	1282	2,160	Sand, voids, full of water	2083	3,510
Coal, anthracite, broken, loose	865	1,458	Sandstone, quarried	1314	2,214
Coal, bituminous, moderately wet	801	1,350	Shale, broken crushed	1362	2,295
Earth, common loam, dry	1218	2,052	Slag, furnace granulated	1955	3,294
Earth, mud, packed	1843	3,105	Stone or gravel, 37.5 to 87.5-mm (1.5 to 3.5 in.) size	1442	2,430
Granite, broken	1538	2,592	Stone or gravel, 18.75-mm (0.75 in.) size	1602	2,700
Gypsum	2275	3,834			

Bucket Fill Factors



Additional equipment

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

744L	824L	844L	Engine
●	●	●	Wet-sleeve cylinder liners
●	●	●	Programmable auto-idle and auto shutdown
●	●	●	Selected idle adjustment from 900–1,250 rpm
●	●	●	Starter excessive-cranking protection
●	●	●	Automatic engine cool-down timer
●	●	●	Automatic derating for exceeded system temperatures
●	●	●	Serpentine drive belt for automatic tensioner
●	●	●	Electrical fuel-priming pump
●	●	●	Dual-stage fuel filter and water separator
●	●	●	500-hour vertical spin-on oil filter
●	●	●	Engine-compartment light
▲	▲	▲	Chrome exhaust stack
▲	▲	▲	Automatic ether starting aid and engine block heater (recommended for cold starts below –12 deg. C [10 deg. F])
●	●	●	Centrifugal engine air pre-cleaner
▲	▲	▲	Throttle lock
Powertrain			
●	●	●	Clutch cutoff with 4 operator settings: Automatic, level ground, small slope, or steep slope
●	●	●	Programmable maximum high gear
●	●	●	Clutch calibration engaged from monitor
●	●	●	2,000-hour vertical spin-on transmission filter
●	●	●	Transmission fill tube with sight gauge
●	●	●	Transmission diagnostic ports
●	●	●	5-speed transmission with lockup torque converter
●	●	▲	Front locking differential
▲	▲	▲	Rear locking differential
●	●	●	Brake adjusters and retractors
▲	▲	▲	Automatic differential lock
●	●	●	Axle oil temperature sensing
●	●	●	Wheel-spin control
Quad-Cool™ Cooling System			
●	●	●	Heavy-duty, trash-resistant radiator and high-ambient cooling package
●	●	●	2-side access to all coolers
●	●	●	Isolated from engine compartment
●	●	●	Engine radiator
●	●	●	Integral engine oil cooler
●	●	●	Hydraulic oil cooler (oil to air)
●	●	●	Transmission oil cooler (oil to air)
●	●	●	Charge air cooler (air to air)
●	●	●	Fuel cooler
●	●	●	Coolant recovery tank with under-hood lighting
●	●	●	Coolant-loss sensor
●	●	●	Antifreeze, –37 deg. C (–34 deg. F)
●	●	●	Cool-on-demand swing-out fan
●	●	●	Enclosed fan safety guard
▲	▲	●	Automatic reversing fan drive
●	●	●	Axle and service-brake coolers
Hydraulics			
●	●	●	Electrohydraulic control with soft stops and adjustable settings
●	●	●	In-cab adjustable automatic return-to-dig bucket positioner

744L	824L	844L	Hydraulics (continued)
●	●	●	In-cab adjustable automatic boom-height kickout/return to carry
●	●	●	Reservoir with sight gauge and fill strainer
●	●	●	Hydraulic diagnostic ports
●	●	●	4,000-hour in-tank filter
●	●	●	2 function — 2-lever fingertip controls
▲	▲	▲	2 function — joystick
▲	▲	▲	2 function — joystick with F-N-R (steering wheel only)
▲	▲	▲	3 function — 3-lever fingertip controls
▲	▲	▲	3 function — joystick with integrated 3rd-function roller
▲	▲	▲	3 function — joystick with integrated 3rd-function roller and F-N-R (steering wheel only)
▲	▲	▲	4 function — joystick with integrated 3rd/4th-function rollers
▲	▲	▲	4 function — joystick with integrated 3rd/4th-function rollers and F-N-R (steering wheel only)
●	●	●	2 programmable multifunction buttons
●	●	●	Adjustable and continuous auxiliary hydraulic-flow settings
●	●	●	Programmable attachment settings
●	●	●	Ride control, automatic with monitor-adjustable speed settings
▲	▲	▲	Hydraulic control system for quick-coupler locking pins
▲	▲	▲	Hydrau™ XR cold-temperature hydraulic fluid recommended below –25 deg. C (–13 deg. F)
Steering Systems			
●	●	●	Joystick steering with gearshift, F-N-R, and horn
▲	▲	▲	Conventional steering wheel with spinner knob
▲	▲	▲	Joystick steering with gearshift, F-N-R, horn, and conventional steering wheel
▲	▲	▲	Secondary steering
Electrical			
●	●	●	Solid-state electrical power-distribution system
●	●	●	Lockable master electrical-disconnect switch
●	●	●	Battery-terminal safety covers
●	●	●	By-pass start safety cover at starter
●	●	●	Remote jump-start access in battery box
●	●	●	Pre-wired for beacon/strobe light
▲	▲	▲	Beacon bracket (single or dual available)
▲	▲	▲	LED strobe beacon
●	●	●	Lights: Halogen driving lights with guards (2) / Front (4), rear cab (2), and rear grille (2) work lights / LEF front turn signals and flashers / LED stop- and taillights
▲	▲	▲	Premium LED work, drive, and marker lights
●	●	●	Programmable courtesy lights
●	●	●	Horn, electric
●	●	●	Reverse warning alarm
●	●	●	Multifunction/multi-language 178-mm (7 in.) LCD color monitor includes: Digital instruments — Analog display (hydraulic oil temperature, engine coolant temperature, transmission oil temperature, and engine oil pressure) / Digital display (engine rpm, transmission gear/direction indicator, hour meter, fuel level, diesel exhaust fluid [DEF] level, speedometer, odometer, and average fuel consumption)
●	●	●	Integrated cycle counter with 5 categories
●	●	●	Indicator lights: Standard and selected options / Amber caution and red stop
●	●	●	Operator-warning messages

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Additional equipment *(continued)*

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

744L	824L	844L	Electrical <i>(continued)</i>
●	●	●	Built-in diagnostics: Diagnostic-code details / Sensor values / Calibrations / Individual circuit tester
▲	▲	▲	Electrical corrosion-prevention package
●	●	●	Premium AM/FM/Weather Band (WB) radio with Bluetooth®, remote auxiliary port, and remote USB port (premium cab only)
▲	▲	▲	24- to 12-volt, 30-amp converter with 3 in-cab power ports
Operator's Station			
●	●	●	Quiet Cab with air conditioning/heater (ROPS/FOPS Level 2, isolation mounted)
●	●	●	Automatic temperature control (premium cab only)
●	●	●	Rear window defrost vent
●	●	●	Keyless start with multiple security modes
●	●	●	Sealed-switch module with function indicators
●	●	●	Premium seat with high-wide back and headrest extension, heated and ventilated, leather/fabric cover, pan tilt/extend, damper adjustments, and adjustable heavy-duty air suspension
●	●	●	Hydraulic controls and joystick steering integrated to seat
●	●	●	High-visibility, bright-orange seat belt, 76 mm (3 in.), with retractor
●	●	●	Seat-belt minder monitoring with JDLink™
▲	▲	▲	Seat-belt indicator beacon light
●	●	●	Cup holder and cup/thermos holder with retaining strap
●	●	●	Lunch-box/cooler holder with tie-down brackets
●	●	●	LED dome and reading light
●	●	●	Coat hook
●	●	●	Rubber floor mat
▲	▲	▲	Dual-tilt steering column (steering wheel only)
●	●	●	Operator's manual storage compartment
●	●	●	Outside (2) and inside (2) rearview mirrors
●	●	●	In-cab adjustable heated outside mirrors with convex lens (premium cab only)
●	●	●	Left-side operator-station access
●	●	●	Front window-washing platforms with fall-arrest system anchor points tested to 2268 kg (5,000 lb.)
●	●	●	Slip-resistant steps and ergonomic handholds
●	●	●	Pull-down front sun visor
▲	▲	▲	Pull-down rear sun visor
●	●	●	CB radio ready with 12-volt power, bracket, and antennae included
●	●	●	Front and rear intermittent windshield wiper and washers
▲	▲	▲	Powered cab air pre-cleaner
●	●	●	Rearview camera
▲	▲	▲	Rearview camera with radar object-detection system
▲	▲	▲	Dedicated 178-mm (7 in.) rearview camera display
●	●	●	Payload scale ready
▲	▲	▲	Payload scale system
▲	▲	▲	Payload scale system with printer
▲	▲	▲	Fire extinguisher
Loader Linkage			
●	●	●	Z-Bar loader linkage
▲	▲	▲	High-Lift Z-Bar loader linkage
Buckets and Attachments			
▲	▲	▲	Full line of Deere pin-on buckets, hook-on buckets, and forks
▲	▲	▲	John Deere hydraulic coupler that accepts JRB 420-pattern attachments

744L	824L	844L	Buckets and Attachments <i>(continued)</i>
▲	▲	▲	Bolt-on bucket spill guard
▲	▲	●	Bushed pin joints (including static joints) on optional Enhanced-Production buckets
Overall Vehicle			
●	●	●	JDLink wireless communication system (available in specific countries; see your dealer for details)
●	●	●	Auto-lube system with empty reservoir sensor and diagnostics integrated into machine diagnostics and JDLink alerts
●	●	●	NeverGrease™ rear-axle oscillation
●	●	●	Front and rear tie-downs
●	●	●	Front, mid, and rear tie-downs
●	●	●	Rear cast bumper with rear hitch and locking pin
●	●	●	Articulation locking bar
●	●	●	Loader boom service locking bar
●	●	●	40-deg. steering articulation to each side with rubber-cushion stops on frame
●	●	●	Vandal protection with lockable engine enclosures, right counterweight storage, battery box, and filler access for radiator/fuel/hydraulic transmission
●	●	●	Right and left handrails, platforms, and steps
●	●	●	Service steps and handholds
●	●	●	Storage compartment
●	●	●	Fuel-tank fill strainer
●	●	●	Heavy-duty fuel-tank guard
●	●	●	Ground-level fueling and DEF
●	●	●	Same-side ground-level daily servicing
●	●	●	Environmental drains for engine, transmission, hydraulic oils, and engine coolant
●	●	●	Fluid-sampling ports for engine, transmission, hydraulic and axle oils, and engine coolant
●	●	●	26.5R25 tires on 5-piece rims
▲	●	●	29.5R25 tires on 5-piece rims
▲	▲	▲	775/65R29 tires on 5-piece rims
▲	▲	▲	875/65R29 tires on 5-piece rims
▲	▲	▲	Tire-pressure monitoring system
●	●	●	Level 1 sound package
●	●	●	Level 2 sound package
▲	●	●	Transmission side-frame and bottom guards
▲	▲	▲	Fast-fuel system
▲	▲	▲	Quick fluid service (engine, transmission, hydraulic oils, and engine coolant)
●	●	●	Fenders, full-coverage, front
▲	▲	▲	Fenders, full-coverage, front and rear
▲	▲	▲	Fenders, roading, full-coverage, front and rear
▲	▲	▲	Less wheels and tires with axle stops
▲	▲	▲	Rims less tires
●	●	●	Lift eyes
▲	▲	▲	Wheel-chock-mounting brackets
▲	▲	▲	License-plate bracket and light
▲	▲	▲	Aggregate handler
▲	▲	▲	Log handler (Standard-Lift only)
▲	▲	▲	Pipe handler (Standard-Lift only)
▲	▲	▲	Waste handler (Standard-Lift and High-Lift)
▲	▲	▲	Special guarding for waste and forestry applications

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