



380 SAE NET HORSEPOWER

J

LOADER

844J





Large and in charge.

You demand serious productivity and uptime out of your big iron. And the seven-cubic-yard 844J delivers. John Deere's newest loader is loaded with plenty of job-proven productivity-boosting features such as a high-torque turbocharged Deere diesel, load-sensing closed-center hydraulics, and smooth-as-silk Smart-Shift™

transmission. Its one-of-a-kind Quad Cool™ system, reliable solid-state electrical load center, and best-in-class serviceability down-size downtime. And help keep daily operating costs low, as well. Combining unsurpassed productivity with long-term durability, anything else is just another loader.



PowerTech™ engine delivers best-in-class net peak torque and a whopping 60-percent torque rise. Plus, this turbocharged diesel's Power Bulge generates 15-percent more horsepower when rpms drop to help maintain good boom and bucket speed going into the pile. For big bucket loads, even in wet or hard-packed material.

12.5-L Deere power plant meets all EPA and CARB emission requirements and is highly fuel efficient, helping lower daily operating costs.

Low center of gravity and optimized fore-and-aft balance deliver unmatched stability and impressive full-turn tipping load capacities.

Unsurpassed powertrain and hydraulic performance helps maintain quick ground speed and boom lift, even on steep ramps. For faster cycles.

Same-side ground-level service access and fuel fill make quick and easy work of the daily routine.

Choose from three bucket options: 6-cubic-yard spade nose, 7.25-cubic-yard general purpose, or 7.75-cubic-yard light material, for true 7-yard production-class loader performance.

844J

Bucket	6.0–7.75 cu.yd.*
Net Peak Power	380 hp
Net Peak Torque	1,390 lb.-ft.
Net Torque Rise	60%
Straight Tipping Load	53,140 lb.
40-deg. Articulation	45,860 lb.
37-deg. Articulation	46,870 lb.
Breakout Force	49,320 lb.
Operating Weight	68,320 lb.

*Optional spill sheet available for general-purpose and light-material buckets.

Ride control smooths moves over rough terrain for faster cycles. Helps ensure that full loads reach their intended destination, instead of somewhere in between, too.

Load-sensing closed-center hydraulics deliver only the power required for smooth boom and bucket functions. So there's no wasted power or fuel.

Responsive steering combines with full 80-degree articulation for exceptional maneuverability in tight quarters — and faster cycle times.

PowerShift™ torque-converter transmission utilizes Smart-Shift technology to continuously evaluate speed and load conditions, and adjusts clutch-pack engagement to suit. For maximum productivity with less effort.

Want to increase productivity even more? The optional Loadrite™ Weight-Management System enables you to quickly load each truck to its full legal payload.



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1. Pilot-operated controls are comfortable to operate and incorporate John Deere's innovative Quick-Shift feature for convenient gear changes.



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2. Backlit pushbuttons in the sealed switch module allow fingertip control of various functions. What's more, boom height kick-out, return-to-dig, and return-to-carry can be set from the seat.



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3. Programmable clutch cutoff matches braking force to the slope of the dumpsite — level, small, or steep. When the brake pedal is depressed, the transmission disengages while maintaining engine speed for smoother dumps, faster cycles, and no machine rollback.



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4. Boom height kick-out sets the maximum desired dump height, while return-to-carry and return-to-dig predetermine the lowered boom and bucket position. Helps speed production in repetitive loading applications.



Load hog.

When anything less than top productivity won't do, the 844J is the machine to run. Superior combined powertrain and hydraulic performance ensures quick ground speeds and boom lift — and the fastest cycle times in the seven-yard class. The 12.5-L Deere diesel provides impressive acceleration and torque, along with the horsepower

needed for quick bucket fills. And with load-sensing closed-center hydraulics and Smart Shift™ technology, an operator won't have to work hard to be more productive. To “weigh-in” on which seven-yard loader is best, ask your John Deere dealer for a demo. When you compare it to others in its class, we're confident you'll choose the 844J.

The image shows the interior of a tractor cab, featuring a steering wheel, a gear shifter, and various control panels. The text "Comfort zone ahead." is overlaid in the center of the image.

Comfort zone ahead.

Want to help your operators be more productive? Expand their comfort zone — behind the controls of an 844J. With deluxe air-suspension arm-chair, ergonomically designed

fully customizable controls, and unsurpassed 360-degree visibility, the spacious and generously appointed air-conditioned cab has everything your operators need to do their best.



Deluxe air-suspension armchair adjusts multiple ways for daylong comfort and support.

Automotive-style directional louvers including two directed at the pedals and independently adjustable defrosters provide effective airflow to help keep the glass clear and the pressurized cab comfortable.

Standard sound-suppression package significantly reduces noise levels and operator fatigue.

Spacious cab provides plenty of places to store an operator's stuff, with a compartment for a cooler and beverage holders, plus a 12-volt power port for cell phone hookup.

1. Platforms, handrails, and steps are designed to allow uninterrupted three-point access. Continuous railings run all around the machine. There are no crossbars, decreasing the risk of slipping.
2. Floor-to-ceiling front glass and expansive side and rear windows allow an unsurpassed panoramic view ahead, beside, and behind.
3. Offering fatigue-beating comfort, joystick steering is ideal for V-pattern truck loading. This standard feature adjusts to ground speed, delivering smooth control for load-and-carry operations, as well.
4. Advanced, multi-language monitor with large, easy-to-understand analog gauges and LED indicators provides:
 - **Detailed diagnostic readings** of most sensors and switches for easy troubleshooting.
 - **Vital and general operating information** including transmission mode, gear, engine rpm, and ground speed.
 - **Customized machine settings** that allow the operator to preselect transmission functions such as Quick Shift, Auto-to-1st, and ride control activation speed. To match the application — and maximize productivity.



Service intervals are 500 hours for engine oil and fuel filters and 1,000 hours for transmission oil and filters. So your 844J will require fewer breaks for routine maintenance.

Large fuel tank allows the 844J to run longer between fill-ups. There's also a fast-fill option to get you back into the rat race more quickly.

Conventional differentials in both axles are standard; limited-slip axles are available.

Standard axle-oil coolers meet the demands of heavy-duty load-and-carry applications.

Wet-disc brakes are virtually maintenance free for reliable, long-term stopping ability.

Expansive air-inlet surfaces increase airflow and prevent overheating, while keeping the cooling system debris-free. Three-millimeter side-screen perforations serve as a "first filter."

Automatic park brake, bypass-start protection, continuous handrails and wide, slip-resistant steps and platforms help keep an operator out of harm's way.



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1. You'll find fewer fuses, relays, connectors, and wiring harnesses. Instead, highly reliable circuit board technology and sealed solid-state switches ensure the electrical integrity you need.



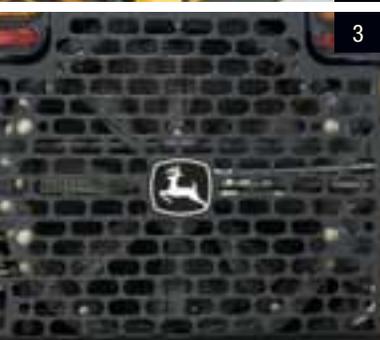
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2. Innovative Quad-Cool™ design isolates coolers in a separate compartment away from engine heat. For increased cooling efficiency and durability.

3. Optional reversing fan automatically back-blows the coolers every 30 minutes, reducing debris buildup for more uptime. Or touch an in-cab button to activate the system.

4. Bulkheads between the baffle and coolers eliminate long hoses, simplifying replacement and component exchange.

5. Four heavy-duty steel plates support the far end of the boom pivot, extending the life of the pins and protecting the boom cylinder hoses.



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Nothing's built like a Deere, either.



When you've got empty trucks or hungry hoppers depending on your loader, downtime is more than just a downer. It's unacceptable. Stake your reputation on uptime-enhancing 844J advantages such as a solid-state electrical system, highly efficient Quad-Cool package, and advanced diagnostic monitor. Add to those other job-proven durability

features such as a heavy-duty wet sleeve diesel, self-adjusting wet-disc brakes, and reinforced articulation joints with double tapered roller bearings, and you've got one tough loader. So tough, in fact, that its boom and mainframe are warranted for three years or 10,000 hours. When you know how it's built, you'll run this Deere.

Maintenance personnel will appreciate the commonsense locations and ease with which powertrain, hydraulic, and cab filters are replaced.

Large hinged service doors swing open wide and slide off easily for ample ground-level access.

Available fast-fill fuel system accommodates up to 150 gpm, for quick, ground-level fill-ups.

With Quad-Cool, cores resist plugging and are easily accessible from either side for quick and easy cleaning.

Sight gauges and coolant reservoir let you check transmission, hydraulic, and radiator fluid levels at a glance.

Hydraulically driven fan runs only as needed, decreasing debris flow through the coolers and reducing fuel consumption.



Get a handle on daily operating costs.

Simplified maintenance and lower operating costs go hand in hand on the 844J. Swing open the large hinged side shields and you'll discover many of the ways we've minimized maintenance. Daily service points are conveniently located on the same side. And Deere's unique Quad-Cool™ system and

swing-out fan provide easy access to both sides of the individually mounted coolers for simplified clean out. Other timesaving features such as easy-to-read sight gauges, quick-change filters, and advanced diagnostics all help keep maintenance manageable and daily operating costs down.

1. Daily service points are conveniently grouped on the same side for quick and convenient access.

2. Greasing is less messy with centralized lube banks, providing easy access to difficult-to-reach zerks.

3. Vertical spin-on engine, transmission, and hydraulic filters; quick-release fuel filters; and environmentally friendly fluid drains allow quick, no-spill changes.

4. Remote fluid sample and diagnostic ports enable technicians to perform preventative maintenance and troubleshoot problems more quickly.

5. If something goes wrong, the advanced monitor provides easy-to-understand diagnostic information to help get you back up and running more quickly.

6. Your John Deere dealer has the parts and service you need to stay productive, and offers a wide variety of preventative maintenance and support programs to help control costs.



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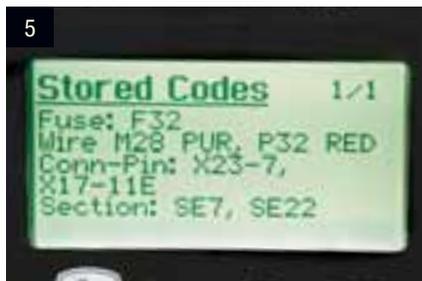
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Specifications



Engine

844J

Type	John Deere POWERTECH™ 6125H; meets EPA and CARB emission non-road regulations
Cylinders	6
Valves Per Cylinder	4
Displacement	766 cu. in. (12.5 L)
Net Peak Power	380 hp (283 kW) @ 1,600 rpm
Net Rated Power	330 hp (246 kW) @ 2,100 rpm
Net Peak Torque	1,390 lb.-ft. (1790 Nm) @ 900 rpm
Net Torque Rise	60%
Net Power Bulge	15%
Fuel System	mechanically actuated electronic unit injectors
Lube System	full-flow spin-on filter and integral cooler
Aspiration	turbocharged, charge air cooled
Air Cleaner	dual element dry type; restriction indicator in cab monitor for service
Fan Drive	hydraulically driven, proportionally controlled, fan aft of coolers
Electrical System	24 volt with 80-amp alternator
Batteries (two 12 volt)	1,400 CCA; reserve capacity: 200 min.

Transmission

Type	countershaft-type powershift	
Torque Converter	single stage, dual phase with freewheeling stator	
Shift Control	electronically modulated, adaptive, load and speed dependent	
Operator Interface	steering column-mounted twist-grip shift lever or joystick steering mounted F-N-R, quick-shift button on hydraulic lever	
Shift Modes	auto/manual, auto to 1st or 2nd, kick down or kick down/up, three clutch cutoff settings adjustable on switch pad	
Travel Speeds*	<i>Forward</i>	<i>Reverse</i>
Gear 1	4.0 mph (6.5 km/h)	4.0 mph (6.5 km/h)
Gear 2	7.7 mph (12.3 km/h)	7.6 mph (12.3 km/h)
Gear 3	11.8 mph (19.0 km/h)	17.0 mph (27.4 km/h)
Gear 4	23.4 mph (37.6 km/h)	

*Equipped with 29.5R25 L3 tires.

Axles/Brakes

Final Drives	heavy-duty outboard planetary
Differentials	conventional front and rear — standard; limited slip front and rear — optional
Rear Axle Oscillation, Stop to Stop*	26 degrees
Brakes (conform to ISO3450)	
Service Brakes	outboard forced oil-cooled multi disc
Parking Brake	automatically spring applied, hydraulically released, sealed wet multi disc

*Equipped with 29.5R25 L3 tires.

Tires

Choice of (with three-piece rims)	Tread Width	Width Over Tires	Change In Vertical Height
29.5R25, L3 1-Star Radial	96 in. (2440 mm)	126.0 in. (3202 mm)	0 in. (0 mm)
29.5-25, L3 28 ply.	96 in. (2440 mm)	126.8 in. (3222 mm)	+ 0.25 in. (+ 5 mm)
29.5R25, L4 1-Star Radial	96 in. (2440 mm)	126.3 in. (3207 mm)	+ 1.6 in. (+ 40 mm)
29.5R25, L5 1-Star Radial	96 in. (2440 mm)	126.3 in. (3207 mm)	+ 2 in. (+ 53 mm)

Refill Capacities (U.S.)

844J

Fuel Tank (with ground-level fueling)	135 gal. (511 L)
Cooling System	40 qt. (38 L)
Engine Oil, Including Filter	40 qt. (38 L)
Transmission, Including Filter	30 qt. (28 L)
Axles	58 qt. (55 L) front / 62 qt. (59 L) rear
Hydraulic Reservoir and Filters	80 gal. (303 L)
Parking Brake	20 oz. (600 mL)

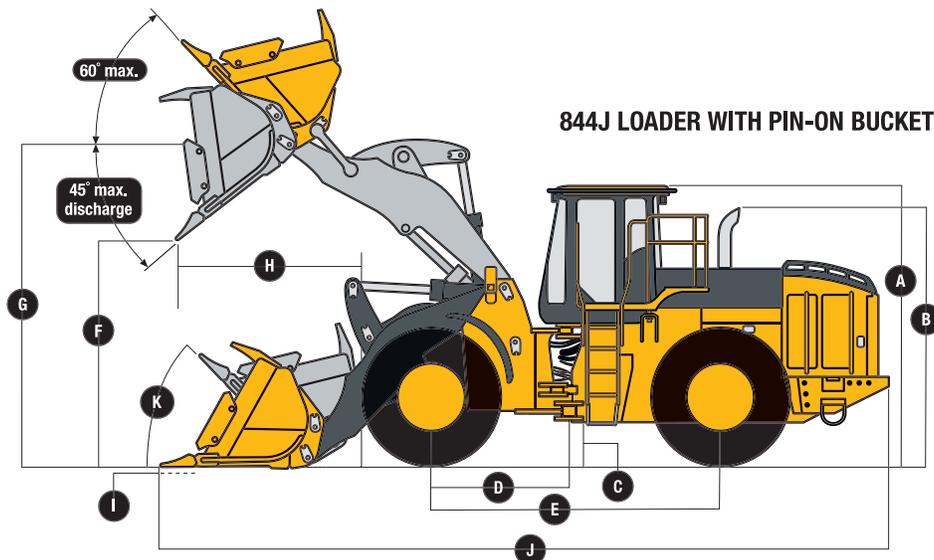
Hydraulic System/Steering

Pump (loader and steering)	three variable-displacement, load-sensing axial piston pumps; closed-center system
Maximum Flow @ 2,250 rpm	169 gpm (640 L/min.) @ 1,000 psi (6900 kPa)
Pressure	loader and steering 3,500 psi (24 132 kPa)
Loader Controls	two-function valve; single- and dual-lever controls; control lever lockout feature; optional third-function valve with auxiliary lever
Steering (conforms to SAE J1511)	
Type	power, fully hydraulic
Pressure	3,500 psi (24 132 kPa)
Articulation Angle	80-degree arc (40 degrees each direction)
Hydraulic Cycle Times	<i>Standard Z-Bar</i>
Raise	5.9 sec.
Dump	1.9 sec.
Lower (float)	3.5 sec.
Total Cycle Time	11.3 sec.
Maximum Lift Capacity	<i>with 7.25-cu.-yd. (5.5 m³) general-purpose bucket with bolt-on cutting edge</i>
Lift at Ground Level	69,020 lb. (31 300 kg)
Lift at Maximum Height	27,550 lb. (12 490 kg)
Turning Radius (measured to centerline of outside tire)	20 ft. 8 in. (6303 mm)

Dimensions with Pin-On Bucket

Standard Z-Bar

A Height to Top of Cab	12 ft. 4 in. (3748 mm)
B Height to Top of Exhaust	11 ft. 8 in. (3549 mm)
C Ground Clearance	17.8 in. (452 mm)
D Length from Centerline to Front Axle	73 in. (1850 mm)
E Wheelbase	146 in. (3700 mm)
F Dump Height	▲ (see page 14)
G Height to Hinge Pin, Fully Raised	15 ft. 1 in. (4608 mm)
H Dump Reach	▲▲ (see page 14)
I Maximum Digging Depth	3.5 in. (89 mm)
J Overall Length	▲▲▲ (see page 14)
K Maximum Rollback at Ground Level	40 degrees



844J LOADER WITH PIN-ON BUCKET

Standard Z-Bar Information with Pin-On Type Bucket

Bucket Type/Size	General Purpose w/Bolt-on Edge	General Purpose w/Teeth & Segments	General Purpose w/Lagz™	Light Material w/Bolt-on Edge and Optional Spillguard*	Spade-Nose Rock w/Teeth & Segments
Capacity, Heaped SAE	7.25 cu. yd. (5.6 m³)	7.25 cu. yd. (5.6 m³)	7.25 cu. yd. (5.6 m³)	8.1 cu. yd. (6.2 m³)	6.0 cu. yd. (4.6 m³)
Capacity, Struck SAE	6.2 cu. yd. (4.7 m³)	6.2 cu. yd. (4.7 m³)	6.2 cu. yd. (4.7 m³)	7.3 cu. yd. (5.6 m³)	5.4 cu. yd. (4.1 m³)
Bucket Weight	7,075 lb. (3209 kg)	7,415 lb. (3363 kg)	7,360 lb. (3338 kg)	7,570 lb. (3433 kg)	8,712 lb. (3951 kg)
Bucket Width	136.2 in. (3459 mm)	136.2 in. (3459 mm)	136.2 in. (3459 mm)	136.2 in. (3459 mm)	137.5 in. (3492 mm)
Breakout Force, SAE J732C	49,320 lb. (22 370 kg)	49,320 lb. (22 370 kg)	49,130 lb. (22 280 kg)	46,780 lb. (21 220 kg)	42,370 lb. (19 220 kg)
Tipping Load, Straight	53,140 lb. (24 100 kg)	52,680 lb. (23 890 kg)	52,760 lb. (23 930 kg)	52,520 lb. (23 820 kg)	50,450 lb. (22 880 kg)
Tipping Load, 37-Degree Turn, SAE	46,870 lb. (21 260 kg)	46,410 lb. (21 050 kg)	46,490 lb. (21 080 kg)	46,270 lb. (20 980 kg)	44,270 lb. (20 080 kg)
Tipping Load, 40-Degree Full Turn, SAE	45,860 lb. (20 800 kg)	45,390 lb. (20 590 kg)	45,470 lb. (20 620 kg)	45,260 lb. (20 520 kg)	43,270 lb. (19 620 kg)
Reach, 45-Degree Dump, 7-ft. (2.13 m) Clearance	90.5 in. (2299 mm)	93.4 in. (2373 mm)	90.2 in. (2290 mm)	91.7 in. (2329 mm)	98.7 in. (2506 mm)
▲▲ Reach, 45-Degree Discharge, Full Height	59.1 in. (1502 mm)	64.0 in. (1626 mm)	58.9 in. (1495 mm)	61.1 in. (1552 mm)	71.7 in. (1821 mm)
▲ Dump Clearance, 45-Degree Discharge, Full Height	132.1 in. (3355 mm)	127.1 in. (3228 mm)	131.9 in. (3350 mm)	130.1 in. (3305 mm)	121.7 in. (3090 mm)
▲▲▲ Overall Length, Bucket on Ground	31 ft. 6 in. (9606 mm)	32 ft. 2 in. (9797 mm)	31 ft. 6 in. (9606 mm)	31 ft. 9 in. (9681 mm)	32 ft. 11 in. (10 020 mm)
Loader Clearance Circle, Bucket In Carry Position	51 ft. 11 in. (15 826 mm)	52 ft. 3 in. (15 936 mm)	51 ft. 11 in. (15 830 mm)	52 ft. 1 in. (15 869 mm)	52 ft. 10 in. (16 094 mm)
Operating Weight	68,320 lb. (30 990 kg)	68,660 lb. (31 140 kg)	68,600 lb. (31 110 kg)	68,820 lb. (31 210 kg)	69,960 lb. (31 730 kg)

*Optional spillguard adds 0.4-cu.-yd. (0.3 m³) capacity.

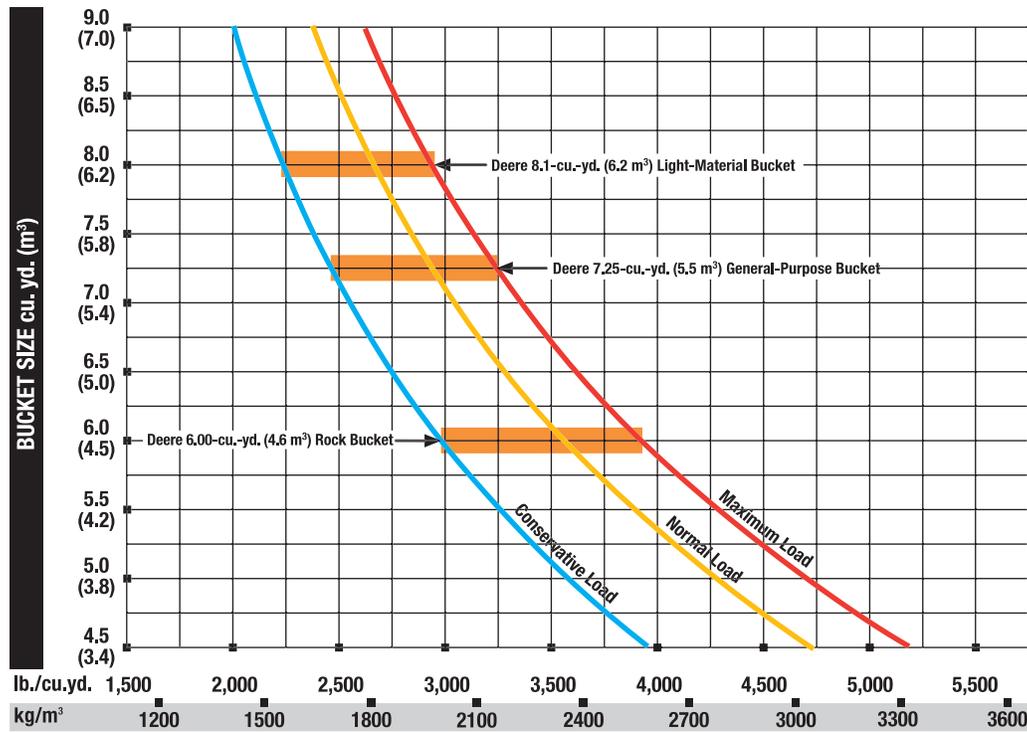
Loader operating information is based on machine with all standard equipment; 29.5R25, L3 1-Star Radial tires; ROPS/FOPS cab; 175-lb. (79 kg) operator; and full fuel tank. This information is affected by tire size, ballast, and different attachments.

Adjustments to Operating Weights for Standard Z-Bar with Pin-On Type Buckets

Adjustments to operating weights and tipping loads based on 7.25-cu.-yd. (5.5 m³) general-purpose bucket with bolt-on cutting edge

Add (+) or deduct (-) lb. (kg) as indicated for loaders with	Operating Weight	Tipping Load, Straight	Tipping Load, 37-Degree Turn	Tipping Load, 40- Degree Full Turn
29.5R25, L3 1-Star Radial	0 lb. (0 kg)	0 lb. (0 kg)	0 lb. (0 kg)	0 lb. (0 kg)
29.5-25, L3 28 ply.	- 640 lb. (- 291 kg)	- 494 lb. (- 224 kg)	- 445 lb. (- 202 kg)	- 436 lb. (- 198 kg)
29.5R25, L4 1-Star Radial	+ 1,044 lb. (+ 475 kg)	+ 807 lb. (+ 366 kg)	+ 725 lb. (+ 329 kg)	+ 712 lb. (+ 323 kg)
29.5R25, L5 1-Star Radial	+ 2,900 lb. (+ 1318 kg)	+ 2,243 lb. (+ 1017 kg)	+ 2,018 lb. (+ 915 kg)	+ 1,980 lb. (+ 898 kg)

Z-Bar Pin-On Bucket Selection Guides*



MATERIAL (Loose weight)	lb./cu. yd.	kg/m ³
Caliche	2,100	1250
Cinders	1,000	590
Clay and gravel, dry	2,400	1420
Clay and gravel, wet	2,600	1540
Clay, dry	2,500	1480
Clay, natural bed	2,800	1660
Clay, wet	2,800	1660
Coal, anthracite, broken	1,850	1100
Coal, bituminous, broken	1,400	830
Earth, dry, packed	2,550	1510
Earth, loam	2,100	1250
Earth, wet, excavated	2,700	1600
Granite, broken or large crushed	2,800	1660
Gravel, dry	2,550	1510
Gravel, dry 1/2" to 2" (13 to 50 mm)	2,850	1690
Gravel, pit run (graveled sand)	3,250	1930
Gravel, wet 1/2" to 2" (13 to 50 mm)	3,400	2020
Gypsum, crushed	2,700	1600
Limestone, broken or crushed	2,600	1540
Magnetite, iron ore	4,700	2790
Phosphate rock	2,160	1280
Pyrite, iron ore	4,350	2580
Sand and gravel, dry	2,900	1720
Sand and gravel, wet	3,400	2020
Sand, dry	2,400	1420
Sand, wet	3,100	1840
Sandstone, broken	2,550	1510
Shale	2,100	1250
Slag, broken	2,950	1750
Stone, crushed	2,700	1600
Topsoil	1,600	950

* This guide, representing bucket sizes not necessarily manufactured by Deere, will help you in selecting proper bucket size for material density, loader configuration, and operating conditions. Optimum bucket size is determined after adding or subtracting all tipping load changes due to optional equipment. The "conservative load" line on this guide is recommended when operating in conditions such as soft ground and unlevel surfaces. The "maximum load" condition on this guide is sometimes utilized when operating on firm ground and level surfaces.

844J LOADER

Key: ● Standard equipment ▲ Optional equipment

*See your John Deere dealer for further information.

844J Engine

- Meets EPA and CARB emission non-road regulations
- Wet-sleeve cylinder liners
- Electronically controlled fuel system
- Underhood muffler
- Underhood, dual-element air cleaner
- Underhood, pre-screened air intake
- 10-micron primary fuel filter/water separator
- 2-micron vertical spin-on final 500-hour fuel filter
- Heavy-duty steel fuel tank guard
- 500-hour spin-on oil filter
- Serpentine drive belt with automatic tensioner
- Electric fuel filter priming system
- Automatic derating when system temps exceeded
- Starter protection circuit
- Ground-level fueling
- ▲ Chrome exhaust stack
- ▲ Ether start aid (required for cold starts down to -13°F)
- ▲ Engine air heater (required for cold starts down to 0°F)
- ▲ Centrifugal engine air pre-cleaner
- ▲ Engine coolant heater, 1,000 watts, 110 volts (required for cold starts below -13°F)
- ▲ Ground-level fast-fill fuel system (150-gpm maximum fill rate)

Cooling

- Heavy-duty trash-resistant high-ambient cooling package
- Two-side access to all coolers
- Cooling system isolated from engine compartment
- Cool-on-demand swing-out fan
- Charge air cooler (air/air - 10.5 fins per in.)
- Transmission oil cooler (oil/air - 10.5 fins per in.)
- Hydraulic oil cooler (oil/air - 10.5 fins per in.)
- Engine radiator (10.5 fins per in.)
- Axle coolers (9.0 fins per in.)
- Integral engine oil cooler
- Coolant recovery tank
- Fan guard

Powertrain

- ZF torque-converter powershift transmission - 4F/3R
- Electronically controlled, fully automatic shift modulation
- Torque converter with freewheel stator
- Steering-column-mounted shift lever with gearshift, F-N-R, and lock
- Auto/manual shift modes
- Quick-shift button in loader control lever with two selectable modes
- Wheel spin-control system
- Transmission clutch disconnect with three selectable settings
- Gear lockout on transmission
- Clutch calibration engageable from cab monitor
- 1,000-hour vertical spin-on transmission filters (2)
- Transmission filler tube with integral sight gauge
- Transmission diagnostic ports
- Outboard, pressurized, oil-cooled wet-disc brakes
- Spring-applied, hydraulically released, sealed wet-disc park brake
- Axle and park brake oil breather extensions
- Axle with conventional-type differentials, front and rear
- ▲ Axle with limited slip differentials, front and rear

Steering System

- Joystick steering (including conventional steering column) with gearshift, F-N-R, and horn
- ▲ Conventional steering wheel with shift controls only
- ▲ Secondary steering

844J Hydraulic System

- Load-sensing hydraulic system
- In-cab adjustable automatic bucket positioner (2 settings)
- In-cab adjustable automatic boom height kickout control
- In-cab adjustable automatic boom return-to-carry control
- Reservoir sight gauge
- Vertical spin-on hydraulic filters
- Hydraulic function enable/disable switch
- Hydraulic diagnostic ports
- Ride control, automatic with monitor-adjustable speed settings
- Two-function hydraulic control valve with two-lever fingertip control
- Adjustable wristrest
- ▲ Two-function hydraulic control valve with single-lever joystick control
- ▲ Three-function hydraulic control valve with single-lever joystick control and auxiliary lever for third function
- ▲ Three-function hydraulic control valve with two-lever fingertip control and auxiliary lever for third function
- ▲ Hydraulic conversion kits, two- to three-function valves
- ▲ Hydraulic control system for quick-coupler locking pins (includes all controls in cab, lines, and valves)

Electrical

- 24-volt electrical system
- Solid-state electrical power distribution system
- High-capacity batteries (2), 12 volt with 1,400 CCA, 200-min. rated reserve
- Master electrical disconnect switch
- Battery terminal safety covers
- Alternator, high capacity, 80 amps
- Lights (conform to SAE 99): Halogen driving with guards / LED turn signals and flashers / LED stop and taillights
- Work lights, halogen (8): cab front (4), cab rear (2), and rear grille (2)
- Horn, with push button in center of steering wheel and in joystick steering lever (conforms to SAE J994, J1446)
- Reverse warning alarm (conforms to SAE J994, J1446)
- Computerized multifunction monitor
- Audible and visual warnings: Amber caution / Red stop / Analog gauges: Engine coolant temperature, transmission oil temperature, fuel level, hydraulic oil temperature, engine oil pressure / Digital instruments: Engine rpm, odometer, transmission gear/direction indicator, speedometer, hourmeter / Operator warning lights: Check engine, engine oil pressure, engine air filter, battery voltage, fuel filter, transmission filter, brake pressure, hydraulic oil filter, fasten seat belt, transmission fault, hydraulic oil temperature, engine coolant temperature, transmission oil temperature, secondary steering
- Indicator lights: Park brake / Ride control / Turn signals and warning flashers / Coupler pin disconnect / Engine preheater / Joystick steering / Work lights
- Built-in diagnostics: Fault-code retrieval
- Cab wired for rotating beacon
- 24- to 12-volt radio converter, 5 amps with receptacle
- ▲ 24- to 12-volt radio converter, 10 amp with two receptacles
- ▲ AM/FM/WB stereo radio with clock
- ▲ AM/FM/WB stereo radio with cassette
- ▲ AM/FM/WB stereo radio with CD
- ▲ Electrical corrosion package

844J Operator's Station

- Cab (conforms to SAE J1040 APR88): ROPS/FOPS / Heater/defroster / Multiplane isolation mounted for noise/vibration reduction / Front and rear windshield washers and intermittent wipers / Tinted safety glass
- Air conditioning
- Seat belt, 3 in. (76 mm), with retractor
- Seat, deluxe cloth covered with deep foam, high back, lumbar support, air suspension, adjustable for weight-height, fore-aft position, backrest tilt, and armrest angle with backrest extension
- Backlit sealed switch module with function indicators
- Cup holder, personal cooler holder, and storage space
- Sun screen and visor
- Tilt steering column
- Rubber floormat
- Textured steering wheel and spinner knob
- Rearview mirrors, outside (2) and inside (2) (conform to SAE J985)
- Platforms, handrails, and steps, right and left, ergonomically located and slip resistant

Loader Linkage

- Dual Z-bar loader linkage with twin bucket tilt cylinders

Buckets and Attachments

- ▲ Full line of Deere pin-on buckets with selection of bolt-on cutting edges, JAGZ™ cutting edges, and teeth-segmented bolt-on cutting edges
- ▲ Bolt-on spill guard for general-purpose and light-material buckets
- ▲ Weld-in wear liner kits*

Tires

- 29.5R25, L3 1-Star Radial
- ▲ 29.5-25, L3 28 ply
- ▲ 29.5R25, L4 1-Star Radial
- ▲ 29.5R25, L5 1-Star Radial
- Multi-piece rims
- ▲ 8-degree axle stops

Other

- Sound-suppression package
- Loadrite™ payload scale ready (monitor bracket, wiring, and sensor mounting)
- Fenders, front
- ▲ Fenders, front-coverage front, with mud flaps
- ▲ Fenders, full-coverage front and rear, with mud flaps
- Articulation locking bar (conforms to SAE J276)
- Front, mid, and rear tie-downs
- Bushed pin joints (including static joints on bucket and steering cylinder)
- Bushed steering cylinder pins on loader frame
- Vandal protection, includes lockable engine enclosures, Quad-Cool™, right counterweight storage, battery cover, and radiator/fuel/hydraulic and transmission caps
- Full counterweight with integral hitch and locking pin
- Transmission side frame guards
- Auxiliary bottom guards
- Fluid-sampling ports (engine, transmission, hydraulic, axle oils, and engine coolant)
- Environmental drain valves with hose (engine, transmission, hydraulic oils, and engine coolant)
- ▲ Lift eyes
- ▲ Fire extinguisher
- ▲ License plate bracket



JOHN DEERE

DKA844J Litho in U.S.A. (06-01)

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at 35 API gravity. No derating is required up to 10,000-ft. (3050 m) altitude. Gross power is without cooling fan.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with ISO standards. Except where otherwise noted, these specifications are based on a unit with all standard equipment, 29.5R25, L3 1-Star radial tires, ROPS cab, full fuel tank, and 175-lb. (79 kg) operator.

