

KNUCKLEBOOM LOADERS

337E / 437E



JOHN DEERE



E-SERIES



NEED HELP AT THE LANDING?

WE'VE GOT



THIS.

POWER. SPEED. EFFICIENCY.

Our knuckleboom loaders have always been some of the most rugged machines in the forest. Our 337E and 437E are no exception. Updated and enhanced to deliver maximum productivity and uptime, and low daily operating costs, they are among the most powerful, reliable, and efficient machines in their class — and in any neck of the woods.

RUGGED RELIABILITY

Load warriors.

Day after day, tough 337E and 437E Knuckleboom Loaders stand up to punishing logging environments, to keep you going strong all day, every day.

Optimized hydraulic oil reservoir capacity

Hydraulic oil reservoir has been decreased from 80 to 40 gal., reducing refill time and oil-change costs.

Powerful engines

Our EPA Final Tier (FT4) diesel engines employ technologies that are simple to use and deliver the best combination of performance, efficiency, and reliability to your operation — and your bottom line.

More uptime

Large fuel tanks, reliable cylinders, and fuel-sipping diesels allow you to work longer between fill-ups. Plus, hydraulic options on the 437E allow you to power a circle saw or self-propelled carrier, helping you further maximize uptime and productivity.

Auto-idle

Automatically reduce engine speed when hydraulics aren't in use with the auto-idle feature, saving precious fuel.

Low total fluid consumption

John Deere FT4 engines maintain maximum engine performance while minimizing total fluid consumption — diesel fuel plus diesel exhaust fluid (DEF).



SAVE TIME



SAVE MONEY

**MORE SWING TORQUE
AND LIFT FORCE**

Load more wood.

To stay ahead of the competition, you need to keep up at the landing. Our 337E and 437E Knuckleboom Loaders set the pace.





 **5%** MORE BOOM-LIFT FORCE

More productivity

Both the 337E and 437E deliver five-percent-more swing torque and lift force, for more productive delimiting and truck loading. Increased swing torque reduces delimiting and log-handling times, for faster response. More boom lift makes it quicker and easier to handle large trees and get log tips off the ground.

Smart hydraulics



Proven pressure-compensated load-sensing hydraulic system — now on both models — delivers power on demand for strong delimiting performance, while reducing fuel consumption.

More power to the cut

Circle saw's dedicated pump increases cutting power and saw-recovery time, and supports the requirements of all circle saw sizes and applications.

Efficient swing system

Dedicated swing circuit provides the power needed for more productive delimiting and loading.

 
5% MORE SWING TORQUE

GO QUIETLY ABOUT YOUR BUSINESS

This quiet cab isn't shy about its many attributes.

Comfortable operators are productive operators. And these cabs offer plenty of fatigue-beating comfort features.

Quiet comfort

Spacious, quiet cabs are sealed to minimize dust and noise. Larger entryway allows easier entry and exit. Fully adjustable seat provides daylong comfort.

Easy-to-read display monitor

Conveniently located monitor displays essential machine information, including fuel economy and engine diagnostic data, such as oil and coolant status.

Excellent visibility

With expansive glass, adjustable work lights, and a standard rear sunshade, all-around visibility is exceptional.

A breath of fresh air

Efficient HVAC system with enhanced ventilation helps keep the operator comfortable.

At your command

Single right-hand joystick control enables a full range of travel and jib functions, for effortless, ergonomic machine proficiency.



ENHANCED VENTILATION



HELPS KEEP OPERATOR COMFORTABLE

MANEUVERABLE GRAPPLES

Get a nimble grip.

New Deere 52-in. log grapple, featured on the 437E, smoothly and quickly lifts and holds loads, for improved performance in plantation and second-thinning applications. The Deere 48-in. log grapple is available for the 337E. Both attachments are durably cast-steel constructed for impact and wear resistance.

The ability to do more

With more robust rotator pull-through for delimiting applications as well as maximum torque of 36,200 in.-lb., volume of 0.23 cord per 8-ft. wood, and weight of 1,925 lb., the Deere 52-in. log grapple confidently grabs, lifts, and tackles whatever the forest throws its way.

Master and command

Vehicle hydraulics on the new 52-in. log grapple are tuned to the rotator, for more precise operator control. Steady lifting capacity, powerful swing torque, and sure hold of chip-and-saw-size loads are reliably within easy reach.

Proven performer

The 337E comes factory equipped with the Deere 48-in. log grapple. Ample opening-width range of 4–48 in. enables faster loading of trucks and delimiting of large first-thinning bundles.

Hydraulics for attachments

Deere 437E and 337E Knuckleboom Loaders come factory equipped with a complete hydraulic package to help you get even more work done. Dedicated hydraulic routings with improved retention ease installation. A smaller hydraulic tank helps make regular changes and refills more manageable.





UP
TO **52-in.**
OPENING
ON NEW 437E GRAPPLE

Ground-level oil drain and filter change

Quicker, easier access to hydraulic components helps reduce the cost of hydraulic oil and filter changes. An electric hydraulic oil-refill pump is an available option.

Remote diagnostics

When equipped with JDLink™, remote diagnostics, rapid service response with the right part in hand, industry-leading parts availability, and dealer support are always within easy reach.

Keep it clean

High-debris grille option is offered to reduce debris entering the coolers, for increased uptime.

Quick and simple serviceability

Hinged-panel doors provide fast access to service points, so daily checks get done with little fuss.

Convenient maintenance basics

Stable lower platform provides open access to daily checkpoints, hoses, and periodic service items, for trouble-free maintenance.

Wide-open access to cooling package

Efficient fan and other cooling system components swing out for convenient cleaning.

Save fuel

Pressure-compensated load-sensing saw circuit works in tandem with a dedicated saw pump to maximize fuel efficiency.



LESS UPKEEP,



Keep downtime down with
ULTIMATE UPTIME

In addition to the base John Deere ForestSight™ features, our dealers work with you to build an uptime package that meets your specific needs, including customized maintenance and repair agreements, onsite parts availability, extended warranties, fluid sampling, response-time guarantees, and more.

Get valuable insight with
**JOHN DEERE
FORESTSIGHT**

With a JDLink subscription, alerts can be sent to your computer or mobile device — or your dealer, if you choose — to inform you of immediate machine issues. If downtime does occur, exclusive remote diagnostics and programming enable your Deere dealer to minimize the time and cost associated with sending a technician to the logging site for an initial diagnostic visit. You can also receive reminders of periodic scheduled maintenance on your computer or mobile device, or from your dealer.

MORE UPTIME.

337E / 437E

Engine	337E	437E
Manufacturer and Model	John Deere 6068 HTJ57 PowerTech™ PVS	John Deere 6068 HTJ57 PowerTech PVS
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV	EPA Final Tier 4/EU Stage IV
Cylinders	6	6
Valves per Cylinder	4	4
Displacement	6.8 L (415 cu. in.)	6.8 L (415 cu. in.)
Gross Rated Power	129 kW (173 hp) at 2,000 rpm	129 kW (173 hp) at 2,000 rpm
Net Power (ISO 9249)	119 kW (159 hp) at 2,150 rpm	119 kW (159 hp) at 2,150 rpm
Net Torque Rise	17%	17%
Net Peak Torque	722 Nm (532 lb.-ft.) at 1,500 rpm	722 Nm (532 lb.-ft.) at 1,500 rpm
Aspiration	Turbocharged, air-to-air aftercooled	Turbocharged, air-to-air aftercooled
Air Cleaner	Dry-type with safety element	Dry-type with safety element
Cooling		
Fan Type	Engine-driven ECU-controlled viscous clutch	Engine-driven ECU-controlled viscous clutch
Hydraulics	337E/437E	
Main Pump	Tandem variable-displacement, axial-piston, load-sensing system	
Controls	Pilot levers, short stroke, low effort	
Fill System	Hand pump through return filters standard / 12-volt electric-fill pump through return filter optional	
Cylinders	Heat-treated, chrome-plated, polished cylinder rods; hardened steel (replaceable bushings) pivot pins	
Boom (1)		
Bore	180 mm (7.1 in.)	
Rod Diameter	95 mm (3.7 in.)	
Jib (1)		
Bore	160 mm (6.3 in.)	
Rod Diameter	95 mm (3.7 in.)	
Stabilizers (4)		
Bore	140 mm (5.5 in.)	
Rod Diameter	70 mm (2.8 in.)	
Electrical		
Voltage	12 volt	
Number of Batteries	2	
Battery Capacity		
At -17.8 deg. C (0 deg. F)	950 CCA	
At 0 deg. C (32 deg. F)	1,110 CCA	
Alternator Rating	120 amp	
Lights	Halogen: 2 front standard / Halogen: 2 front, 2 rear, 1 cab right side, 1 cab left side optional	
Boom	337E	437E
Knuckleboom	9.10 m (29 ft. 10 in.)	9.76 m (32 ft. 0 in.)
Swing Mechanism		
Swing Speed	10.0 rpm	10.0 rpm
Drive	2-stage planetary gearbox with piston motor	2-stage planetary gearbox with piston motor
Bearing	Hardened gear, greaseable from cab	Hardened gear, greaseable from cab
Swing Torque	44 038 Nm (32,500 lb.-ft.)	52 032 Nm (38,400 lb.-ft.)
Serviceability	337E / 437E	
Hinged engine side shields; local grease points; hydraulic "O"-ring face-seal connectors; ground-level hydraulic oil and filter change; hydraulic oil electric fill-pump option		
Fluid-Change Intervals		
Engine Oil	500 hours	
Hydraulic Oil	2,000 hours	
Engine Coolant	6,000 hours	
Swing- and Pump-Drive Gearbox Oil (each)	1,000 hours	
Refill Capacities		
Fuel Tank	340 L (90.0 gal.)	
Diesel Exhaust Fluid (DEF) Tank	20 L (5.0 gal.)	
Cooling System	28 L (7.5 gal.)	
Engine Crankcase	20 L (5.3 gal.)	
Hydraulic Tank	151 L (40.0 gal.)	
Swing-Drive Gearbox	5.3 L (1.4 gal.)	
Pump-Drive Gear Case	5 L (1.4 gal.)	
Operating Weight (less attachment)	337E	437E
Includes Standard Equipment, Half-Full Fuel Tank, All Fluids, 80-kg (175 lb.) Operator, and Grapple	13 871 kg (30,580 lb.)	15 909 kg (35,073 lb.)

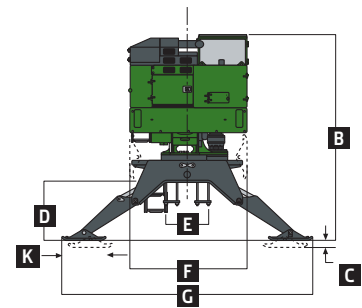
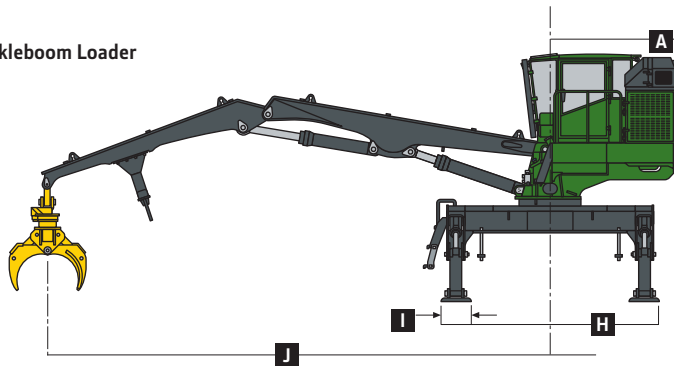
Specifications are subject to change without notice.

Courtesy of Crane.Market

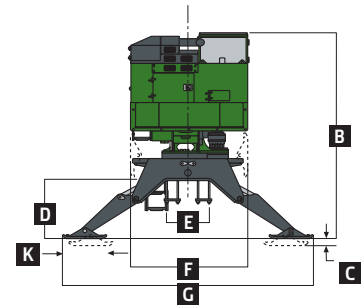
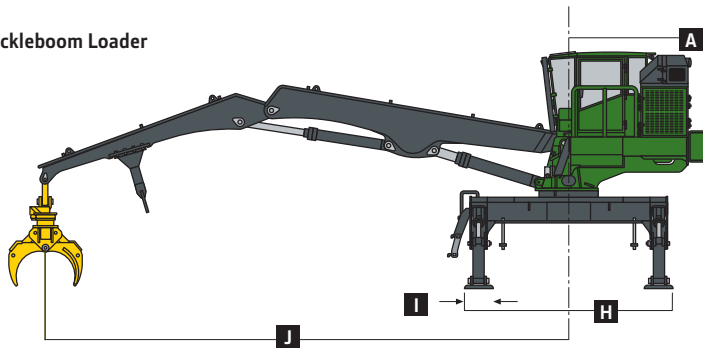


Machine Dimensions	337E	437E
A Tail Swing	395 mm (15.5 in.)	721.3 mm (28 in.)
B Machine Height	4112 mm (13 ft. 6 in.)	4112 mm (13 ft. 6 in.)
C Maximum Stabilizer Reach Below Grade	257 mm (10 in.)	257 mm (10 in.)
D Trailer Height	972 mm (3 ft. 2 in.)	972 mm (3 ft. 2 in.)
E Maximum Trailer Width	883 mm (35 in.)	883 mm (35 in.)
F Transport Width	2606 mm (8 ft. 7 in.)	2606 mm (8 ft. 7 in.)
G Stabilizer Spread at Ground Level	5309 mm (17 ft. 5 in.)	5309 mm (17 ft. 5 in.)
H Overall Lower Frame Length	3810 mm (12 ft. 6 in.)	3810 mm (12 ft. 6 in.)
I Stabilizer Pad Length	533 mm (21 in.)	533 mm (21 in.)
J Boom Reach	9144 mm (30 ft. 0 in.)	9754 mm (32 ft. 0 in.)
K Stabilizer Pad Width	889 mm (35 in.)	889 mm (35 in.)

337E Knuckleboom Loader



437E Knuckleboom Loader



Lift Capacity — 337E (no heel, bare pin)

Load Point Height Lifting Over Front	Reach — Horizontal from Centerline of Rotation				Maximum Weight at Maximum Distance
	3.1 m (10 ft.)	4.6 m (15 ft.)	6.1 m (20 ft.)	7.6 m (25 ft.)	
6.1 m (20 ft.)		4770 kg (10,516 lb.)	4380 kg (9,656 lb.)	4030 kg (8,885 lb.)	1930 kg (4,255 lb.) at 8.5 m (28.0 ft.)
4.6 m (15 ft.)		5330 kg (11,751 lb.)	4720 kg (10,406 lb.)	4140 kg (9,127 lb.)	2050 kg (4,519 lb.) at 8.9 m (29.3 ft.)
3.1 m (10 ft.)	8980 kg (19,798 lb.)	6610 kg (14,573 lb.)	5160 kg (11,376 lb.)	4290 kg (9,458 lb.)	1895 kg (4,178 lb.) at 9.2 m (30.0 ft.)
1.5 m (5 ft.)	4070 kg (8,973 lb.)	7430 kg (16,380 lb.)	5500 kg (12,125 lb.)	4360 kg (9,612 lb.)	1563 kg (3,446 lb.) at 9.1 m (29.9 ft.)

Lift Capacity — 437E (no heel, bare pin)

Load Point Height Lifting Over Front	Reach — Horizontal from Centerline of Rotation					Maximum Weight at Maximum Distance
	3.1 m (10 ft.)	4.6 m (15 ft.)	6.1 m (20 ft.)	7.6 m (25 ft.)	9.1 m (30 ft.)	
6.1 m (20 ft.)		7660 kg (16,887 lb.)	6850 kg (15,102 lb.)	6220 kg (13,713 lb.)	3910 kg (8,620 lb.)	3675 kg (8,102 lb.) at 9.1 m (29.9 ft.)
4.6 m (15 ft.)		8960 kg (19,753 lb.)	7460 kg (16,446 lb.)	6480 kg (14,286 lb.)	5410 kg (11,927 lb.)	3580 kg (7,893 lb.) at 9.6 m (31.4 ft.)
3.1 m (10 ft.)	8980 kg (19,798 lb.)	10 500 kg (23,149 lb.)	8160 kg (17,990 lb.)	6780 kg (14,947 lb.)	5710 kg (12,588 lb.)	3800 kg (8,378 lb.) at 9.8 m (32.0 ft.)
1.5 m (5 ft.)	6180 kg (13,625 lb.)	11 730 kg (25,860 lb.)	8690 kg (19,158 lb.)	6950 kg (15,322 lb.)	5570 kg (12,280 lb.)	3880 kg (8,554 lb.) at 9.7 m (31.8 ft.)

Machine not exactly as shown. Illustrations for dimensioning purposes only.



JOHN DEERE

JohnDeere.com/forestry

TO FIND SUCCESS IN THE FOREST,
YOU CAN WAIT FOR THE PERFECT SET OF CONDITIONS.
Or give yourself every advantage to create your own.
Productive machines. Innovative technology. Useful insights.
Dependable support. A full set of solutions that only one
equipment manufacturer can provide.

The obstacles to success are many. John Deere helps you
OUTRUN™ THEM ALL.



You know your business. And we do, too. That's why we build machines proven to withstand whatever the woods have in store — and then some — so you can keep working and earning, all day, every day.

We're for Loggers



JOHN DEERE



**POWER. *SPEED.*
EFFICIENCY.**

INTRODUCING THE UPDATED AND ENHANCED 437E KNUCKLEBOOM LOADER

Our knuckleboom loaders are already some of the most rugged machines in the forest. And the new John Deere 437E Knuckleboom Loader is no exception. Updated and enhanced to deliver maximum uptime and low daily operating costs, the 437E is one of the most powerful, reliable, and efficient machines you'll find — in any neck of the woods.



**FINAL TIER 4
(FT4) DIESEL
ENGINE**



SAVE TIME



SAVE MONEY

QUICKER, EASIER ACCESS TO HYDRAULIC COMPONENTS
REDUCES THE COST OF HYDRAULIC OIL AND FILTER
CHANGES BY UP TO **44 PERCENT**.



+



**INCREASED
BOOM LIFT
FORCE**

**MORE
SWING
TORQUE**

Engine		437E
Manufacturer and Model	John Deere 6068 HTJ57 PowerTech™ PVS	
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV	
Cylinders	6	
Valves per Cylinder	4	
Displacement	6.8 L (415 cu. in.)	
Gross Rated Power	129 kW (173 hp) at 2,000 rpm	
Net Power (ISO 9249)	119 kW (159 hp) at 2,150 rpm	
Net Torque Rise	17%	
Net Peak Torque	722 Nm (532 lb.-ft) at 1,500 rpm	
Aspiration	Turbocharged, air-to-air aftercooled	
Air Cleaner	Dry-type with safety element	
Cooling		
Fan Type	Engine-driven ECU-controlled viscous clutch	
Hydraulics		
Main Pump	Tandem variable-displacement, axial-piston, load-sensing system	
Controls	Pilot levers, short stroke, low effort	
Fill System	Hand pump through return filters standard / 12-volt electric-fill pump through return filter optional	
Cylinders		
Heat-treated, chrome-plated, polished cylinder rods; hardened steel (replaceable bushings) pivot pins		
Electrical		
Voltage	12 volt	
Number of Batteries	2	
Battery Capacity		
At -17.8°C (0°F)	950 CCA	
At 0°C (32°F)	1,110 CCA	
Alternator Rating	120 amp	
Lights	Halogen: 2 front standard / Halogen: 2 front, 2 rear, 1 cab right side, 1 cab left side optional	
Boom		
Knuckleboom	9.76 m (32 ft. 0 in.)	
Swing Mechanism		
Swing Speed	10.0 rpm	
Drive	2-stage planetary gearbox with piston motor	
Bearing	Hardened gear, greaseable from cab	
Bearing Diameter	1073 mm (42 in.)	
Swing Torque	52 032 Nm (38,400 lb.-ft.)	
Serviceability		
Refill Capacities		
Fuel Tank	340 L (90.0 gal.)	
Diesel Exhaust Fluid (DEF) Tank	20 L (5.0 gal.)	
Cooling System	28 L (7.5 gal.)	
Engine Crankcase	20 L (5.3 gal.)	
Hydraulic Tank	151 L (40.0 gal.)	
Pump-Drive Gearbox	4 L (1.0 gal.)	
Swing-Drive Gearbox	5 L (1.4 gal.)	
Operating Weight (less attachment)		
Includes Standard Equipment, Half-Full Fuel Tank, All Fluids, 80-kg (175 lb.) Operator, and Grapple		15 909 kg (33,625 lb.)
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437E Knuckleboom Loader

