

# TRACK FELLER BUNCHERS & HARVESTERS

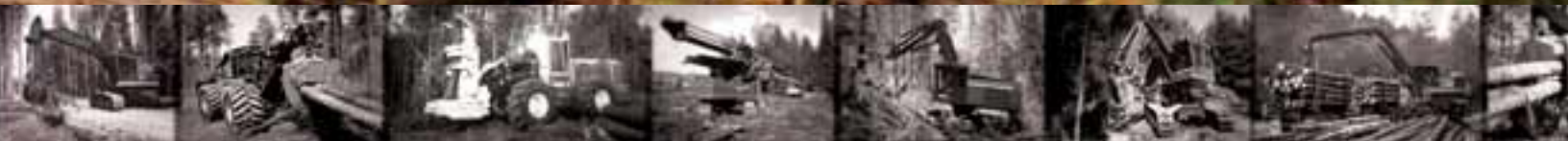
909J 959J

FULL TREE SYSTEM

HARVESTING

TRANSPORTING

LOADING





## MORE STABLE. MORE ABLE.

The new J-Series Feller Bunchers feature the four-way tilting system that gives you the stability you need in rough ground and sloped applications, with all-out performance that puts more wood on the ground.

### FULL TREE SYSTEM

HARVESTING

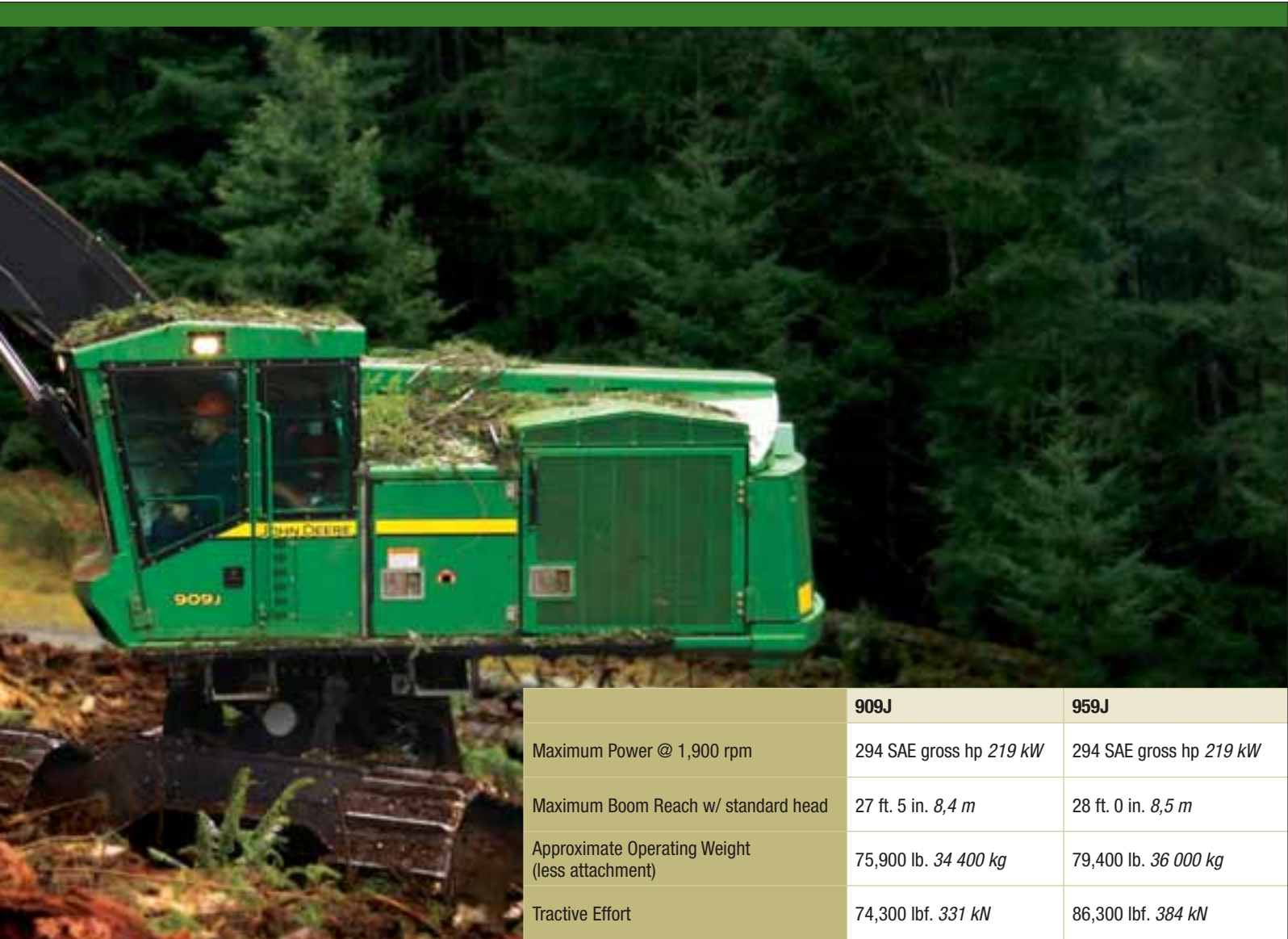
TRANSPORTING

LOADING



Full Tree System—No one offers the extensive product line, dealer network and tough, purpose-built machines of John Deere.

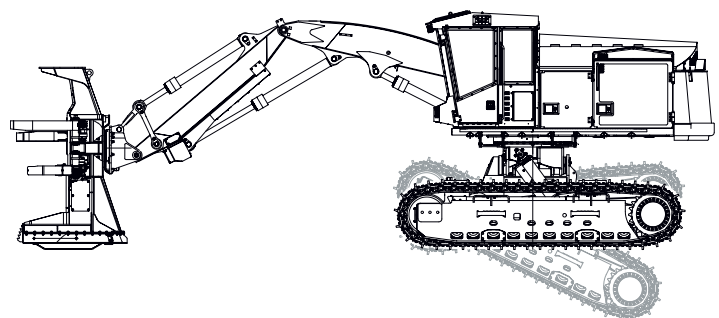




	909J	959J
Maximum Power @ 1,900 rpm	294 SAE gross hp 219 kW	294 SAE gross hp 219 kW
Maximum Boom Reach w/ standard head	27 ft. 5 in. 8,4 m	28 ft. 0 in. 8,5 m
Approximate Operating Weight (less attachment)	75,900 lb. 34 400 kg	79,400 lb. 36 000 kg
Tractive Effort	74,300 lbf. 331 kW	86,300 lbf. 384 kW

When it comes to taking on rough terrain and big timber, the new 909J and 959J Feller Bunchers get it done. The best-in-class leveling system, with smooth-cushioned control, keeps the center of gravity over the tracks for unsurpassed stability in steep slopes and rough ground.

294 maximum horsepower, with high capacity attachment circuit, gives these big bunchers industry-leading multifunctioning capabilities and optimum saw blade power for out-and-out productivity. And the redesigned cab features increased window visibility for a clear view down to the tracks.






# TURN MOUNTAINS INTO MOLEHILLS.

TRACK FELLER BUNCHERS

909J 959J



B-Series felling heads offer increased accumulation and better tree control.

Industry-leading Total Machine Control™ system enables the operator to match application, terrain, and capabilities.

Increased downward visibility with the new cab window for an unrestricted view of the tracks and ground.

Best-in-class leveling envelope for 26° forward, 7° rearward and 14° side-to-side leveling system with cushioning. Features two-cylinder mechanism for smoothness.





Highly productive new crank and link boom offers superior versatility, with booms featuring larger cross-sections that are built to perform under the toughest conditions.

294 maximum horsepower and high-capacity attachment hydraulics provide best-in-class multifunction capabilities with outstanding saw blade power and quick recovery.

Remote mounted, TMC-controlled variable-speed cooling fan reduces fuel consumption and offers a full reversing fan that blows out debris for better airflow.

Undercarriage with ten tractor-type rollers supports the track chain and provides longer durability. Wide track gauge, long track frames and increased tractive effort offers superior climbing performance.

# FELLING HEADS WITH THE FEATURES TO BENEFIT YOUR BOTTOM LINE.

The new B-Series Felling Heads can take your full-tree operation to the next level. New design features boost your productivity by increasing accumulation capacities and clamping forces.

The 909J comes standard with the FS22B head, and the high-rotation FR22B is optional. The FS24 is the standard head on the 959J, and the FS22B and FR22B are optional. Check the specs below for the best head for your needs.

FELLING HEAD DATA	FS22B	FS24	FR22B
Weight:	7,300 lb. (3 311 kg)	8,380 lb. (3 801 kg)	8,320 lb. (3 734 kg)
Wrist Rotation:	30°	30°	310°
Available on model:	909J and 959J	959J	909J and 959J
Cutting Capacity:	22 in. (558.8 mm)	24 in. (609 mm)	22 in. (558.8 mm)
Throat Opening:	51 in. (1 295 mm) @ front of housing opening	43 in. (1 092 mm) @ front of housing opening	51 in. (1 295 mm) @ front of housing opening
Saw Drive:	Variable piston motor	Variable piston motor	Variable piston motor
Accumulation Capacity:	5.2 ft. <sup>2</sup> (.48 m <sup>2</sup> )	4.8 ft. <sup>2</sup> (.46 m <sup>2</sup> )	5.2 ft. <sup>2</sup> (.48 m <sup>2</sup> )
Height:	120.6 in. (3 062 mm)	147.7 in. (3 752 mm)	120.6 in. (3 062 mm)
Width:	63.8 in. (1 620 mm)	73.5 in. (1 867 mm)	63.8 in. (1 620 mm)

BOOM PERFORMANCE		909J	959J
Maximum Cut Radius : (With Standard Attachment)	With Standard Boom	27 ft. 5 in. (8,4 m)	28 ft. 0 in. (8,5 m)
	With Extended Boom	32 ft. 11 in. (10,0 m)	N/A
Minimum Cut Radius: (With Standard Attachment)	With Standard Boom	16 ft. 6 in. (5,0 m)	17 ft. 0 in. (5,2 m)
	With Extended Boom	17 ft. 8 in. (5,4 m)	N/A
Lift Capacity: (Bare Pin Full Reach)	With Standard Boom	14,180 lb. (6 430 kg)	18,000 lb. (8 163 kg)
	With Extended Boom	10,400 lb. (4 716 kg)	N/A





The offset horn design and gathering arm profile lines up with the butt plate, keeping stems aligned for larger bunches and better control.

High accumulation gathering arms pull stems into the offset pocket.

Wider spaced gathering and accumulating arms enable better stem alignment.

Saw motor is rotated 90 degrees for easy access from both sides of the head.

The patented three-piece saw housing is bolted, not welded, for optimum serviceability. The wear plate helps extend the life of the saw housing.

Controlled tooth opening, tapered saw housing and increased radial blade clearance provide best-in-class debris management.

Offset pocket increases accumulation by 20%.





## AN ADVANCED HARVESTER WITH ADVANCED LEVELING.

The new 909J Harvester incorporates the stability, power, tractive effort and leveling system of the bunching machines, and adds a purpose-built harvesting boom with the choice of two heads for high productivity in steep-slope applications.

The versatile Waratah harvesting heads are big-time producers whether working at the landing, roadside or felling and processing in the woods.

The HTH622B cuts timber up to 30 inches (762 mm) in diameter and can process stems up to 24 inches (610 mm). It's perfect for felling, delimiting, measuring and bucking.

The HTH624 is proven in medium-to-large wood up to 31 inches (780 mm) in diameter. It works best in felling stands where 80% of the trees are 20 inches (508 mm) or more. It can produce at the landing, roadside or processing at the stump.

The design of the purpose-built harvester boom boasts a wide cutting swath and long reach.





BOOM PERFORMANCE	909J HARVESTER
Maximum Cut Radius : (To attachment pin)	29 ft. 3 in. (8,9 m)
Minimum Cut Radius: (To attachment pin)	12 ft. 5 in. (3,8 m)
Lift Capacity: (Bare Pin Full Reach)	9,620 lb. (4 364 kg)

SPECS	HTH622B*	HTH624*
Available on Model:	909J Harvester	909J Harvester
Cutting Capacity:	30 in. (762 mm)	31 in. (780 mm)
Feed:	Synchronized 3-wheel system	Synchronized 3-wheel system
Feed Force:	8,573 lbf. (38,1 kN)	10,675 lbf. (47,5 kN)
Weight:	4,673 lb. (2 120 kg)	7,510 lb (3 414 kg)

\*Only available with harvesting boom.





909J



## BEST-IN-PRODUCTIVITY

When you add up all the best-in-class features on the new J-Series machines you get productivity that's in a class by itself.

It all starts with the John Deere 6081H diesel engine that generates 294 maximum horsepower. Combine that with a new high-production crank and link boom, high-flow hydraulics and outstanding saw blade power and you get best-in-class multifunctioning that enables you to cut and cut like you've never done before.

Then there's the best-in-class leveling system, with full leveling range and cushioning, that provides outstanding stability. And the best-in-class Total Machine Control™ system enables the operator to have constant position feedback.





Highly productive new crank and link boom offers superior felling head positioning.

Increased tractive effort, wider track gauge and longer track frames provide outstanding performance and stability.

High-visibility cab features new cab window for a clear line of sight down to the ground.





## TAKE UPTIME TO A NEW LEVEL.

These feller bunchers are built to take the punishment of the woods and keep coming back for more.

The new J-Series Feller Bunchers feature strong components and smart designs making it more reliable than ever. Machine durability is increased with the boom that's built with a large cross-section design. In addition, servicing the undercarriage is easy with the bolt-through-track roller mounting design.

Perhaps one of the best examples of these new feller bunchers' industry-leading reliability is in its track design. The tilting undercarriage has large pivot joints with 5.5-inch forward-tilt pins and 7-inch side-tilt pins. High-capacity thrust bearings are adjustable to keep the tilt mechanism tight throughout the machine life. Plus, each bearing surface has its own dedicated grease fitting for positive lubrication.



Downtime is greatly reduced by two access ports on each side of the track rollers and the bolt-through-track mounting design.



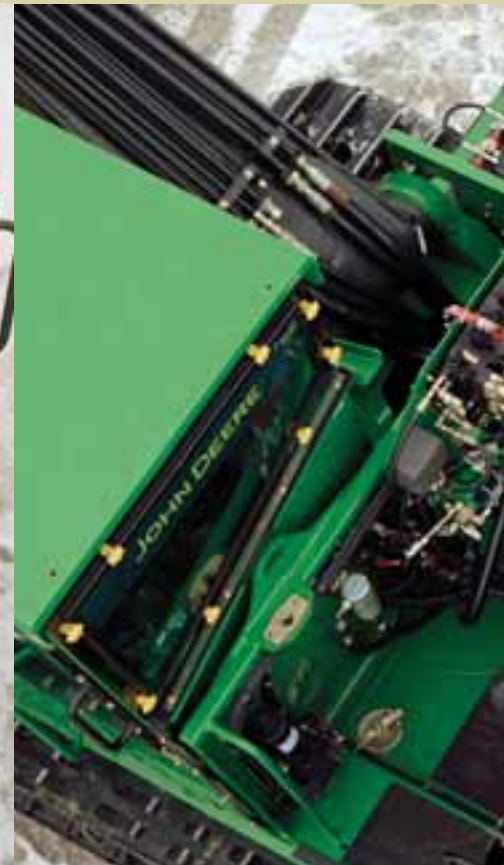


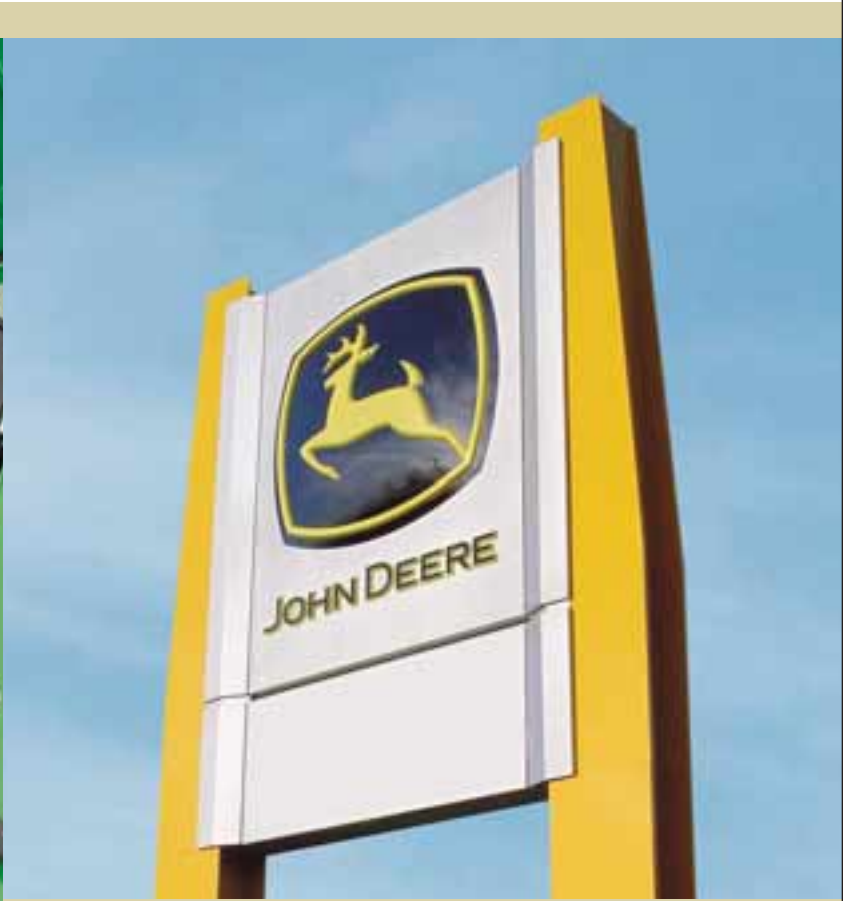
# DO MORE. SPEND LESS.

You can spend less on daily operating costs.

Not only do the J-Series Feller Bunchers offer more power and more productivity, but they save you time and the daily costs of operating equipment.

These machines offer best-in-class service access with a hinged door for the radiator and cooling system, and repositioned doors and added walkways from cab to engine.





Rest assured that your purpose-built John Deere equipment is supported by the most extensive dealer network in the industry, with unsurpassed parts availability. That's our promise.



## OPERATOR'S STATION

- Air conditioner (R134a refrigerant)
- Fire extinguisher, 10 lb. 4.5 kg
- Floor mat
- Forestry cab with integral ROPS, FOPS and OPS protective structures
- TMC Display
- Rotary throttle control
- Headliner
- Heater, 40,000 BTU, Cooling, 21,000 BTU
- Horn
- 12V power point
- Interior light
- Lockable cab door
- Low-effort controls
- Operator manual storage
- Reverse-slope front window
- Seat armrest height adjustment
- Seat backrest angle adjustment
- Seat belt, 3-in. 76 mm wide
- Seat, fabric-covered, deluxe knee-action suspension
- Seat, independent adjustments to control levers
- Seat suspension weight adjustment
- Secondary exits (rear cab and skylight windows)
- Tinted polycarbonate windows
- Treetop window

## TOTAL MACHINE CONTROL (TMC™)

- Controls engine, upper, lower, boom, and leveling functions
- Driver-specific parameters for seven operators and two factory settings
- Alarm warning system
- Gauge and indicator light information displayed on graphic screen:
  - Engine coolant temperature
  - Hydraulic oil temperature
  - System voltage
  - Engine RPM
  - Sawhead RPM
  - Fuel level
  - Hourmeter
  - Saw on
  - Hydraulics on
  - Travel speed
  - Swing brake on/off
  - Enclosure open
  - Reversing fan
  - Leveling angles fore/aft & side/side
  - Various engine alarms

## STANDARD EQUIPMENT

### Engine

- John Deere 6081H, emissions certified, turbocharged, 6 cylinder
- Air filters, dual stage, dry type, aspirated
- Antifreeze
- Electric fuel shutoff
- Engine compartment service lights (3)
- Fuel filters, dual stage with water separator
- Isolation-mounted engine
- Muffler, low restriction
- Oil drain shutoff for spill-free oil changes
- Oil filter, full flow, top load element type
- Oil-to-water engine oil cooler, full flow with bypass
- Spill-free fuel filter change
- Variable-speed, reversing engine cooling fan with guard

### Hydraulic System

- Fill-through hand pump with filter
- Hydraulic filter restriction indicator
- Hydraulic reservoir low oil level indicator
- Oil cooler, heavy-duty

### Undercarriage

- Bolt-through roller mounts
- Heavy-duty one-piece purpose-built forestry undercarriage frame
- Propel drives: Fully enclosed propel-drive motors/ Motion warning alarm/Planetary type with sealed, wet multi-disc brakes/Three speed, operator selectable
- Ten rollers per side
- Tow hooks, front and rear
- Track chain, 8.50-in. 216 mm pitch, heavy-duty (909J)
- Track chain, 8.50-in. 216 mm pitch, extreme-duty (959J)
- Track guides, full length, integral
- Track shoes, 24-in. 610 mm single-bar grouser, clipped corner, heavy-duty, open center

- Two roller access holes per side

### Upper slides

### Upperstructure

- Electrohydraulic operated enclosure
- Integral forestry guarding
- Lockable enclosure doors
- Toolbox
- Cab-side walkway

### Front

- Crank and link boom (959J)
- Heavy-duty box-constructed boom and arm
- Purpose-built, specialized geometry for maximum cutting sweep

- Remote lubrication for boom-to-arm pin
- Sealed pins and bushings

### Electrical

- 24-volt
- 24- to 12-volt converter
- Alternator, 80 amp
- Battery disconnect, automatic
- Dual, heavy-duty, low-maintenance batteries
- Work lights (9) twin-power halogen lights

### Felling Head

- FS22B: 22-in. 559 mm continuous disc saw, standard rotation (30°) wrist, mounted on standard boom (909J)
- FS24: 24-in. 609 mm continuous disc saw, standard rotation (30°) wrist, mounted on standard boom (959J)

## OPTIONAL EQUIPMENT

### Hydraulic System

- Adaptable to Harvesting/Processing heads
- Hydraulic reservoir heater

### Undercarriage

- Track chain, 8.50-in. 216 mm pitch, extreme-duty (909J)
- Track shoes, 24-in. 610 mm double-bar grouser, heavy-duty, open center
- Track shoes, 28-in. 711 mm single-bar grouser, clipped corner, heavy-duty, open center

### Upperstructure

- Automatic fire-suppression system

### Front

- Automatic grease lubrication system for carrier and boomset (except leveling frames and felling head), with 10-lb. reservoir
- Crank and link boom (909J)

### Felling Head

- Optional on 909J:
  - FR22B: 22-in. 559 mm continuous disc saw, high rotation (310°) wrist, mounted on crank/link boom
- Optional on 959J:
  - FS22B: 22-in. 559 mm continuous disc saw, standard rotation (30°) wrist, mounted on crank/link boom
  - FR22B: 22-in. 559 mm continuous disc saw, high rotation (310°) wrist, mounted on crank/link boom
- Wear Tech™ abrasion-resistant material, available on all models

Specifications and design subject to change without notice and without incurring any obligation to make such changes on machines manufactured previously. Wherever possible, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on the machines with standard equipment. Some items shown are optional and may not be available in all markets. Errors and omissions excepted. Photos may show features or options not available in all markets.

**ENGINE**

Type .....	John Deere 6081H, Tier-II emissions certified, turbocharged, with TMC™	John Deere 6081H, Tier-II emissions certified, turbocharged, with TMC™
Maximum Power @ 1,900 rpm .....	294 SAE gross hp <i>219 kW</i>	294 SAE gross hp <i>219 kW</i>
Cylinders .....	6	6
Displacement .....	492 cu. in. <i>8,1 L</i>	492 cu. in. <i>8,1 L</i>
Maximum Net Torque @ 1,500 rpm .....	885 lb-ft <i>1200 Nm</i>	885 lb-ft <i>1200 Nm</i>
Air Cleaner .....	Two-stage aspirated air cleaner	Two-stage aspirated air cleaner
Cooling Fan .....	Suction type, hydraulic driven, variable speed with reversing function	Suction type, hydraulic driven, variable speed with reversing function

**HYDRAULIC SYSTEM**

Main Pump .....	Variable displacement axial piston	Variable displacement axial piston
Maximum Rated Flow .....	126 gpm <i>475 L/min</i>	126 gpm <i>475 L/min</i>
Continuous Saw Pump, dedicated .....	Variable displacement axial piston	Variable displacement axial piston
Maximum Rated Flow .....	30 gpm <i>114 L/min</i>	30 gpm <i>114 L/min</i>
Attachment Pump, Dedicated .....	Variable displacement axial piston	Variable displacement axial piston
Maximum Rated Flow .....	32 gpm <i>120 L/min</i>	32 gpm <i>120 L/min</i>
Oil filtration .....	Two filters, ten-micron return filters with bypass	Two filters, ten-micron return filters with bypass

**CYLINDERS**

	<b>909J/959J</b>		
	<b>Bore Diameter</b>	<b>Rod Diameter</b>	<b>Stroke</b>
Boom (2) .....	5.12 in. <i>130 mm</i>	3.74 in. <i>95 mm</i>	43.32 in. <i>1 100 mm</i>
Arm .....	5.12 in. <i>130 mm</i>	3.74 in. <i>95 mm</i>	43.32 in. <i>1 100 mm</i>
Head Tilt .....	5.12 in. <i>130 mm</i>	3.12 in. <i>80 mm</i>	43.70 in. <i>1 110 mm</i>
Levelling (2) .....	7.00 in. <i>178 mm</i>	4.00 in. <i>102 mm</i>	22.28 in. <i>566 mm</i>

**SWING MECHANISM**

	<b>909J</b>	<b>959J</b>
Rotation .....	Continuous 360 degrees	Continuous 360 degrees
Swing Speed .....	6.9 rpm (maximum)	6.0 rpm (maximum)
Swing Brake .....	Sealed wet multi-disc	Sealed wet multi-disc

**UNDERCARRIAGE**

	<b>909J</b>	<b>959J (Optional on 909J)</b>
Track Chain Pitch .....	HD 8.5 in. <i>216 mm</i>	EXD - 8.5 in. <i>216 mm</i>
Carrier Slides (Per Side) .....	Two bolt-on	Two bolt-on
Track Rollers (Per Side) .....	10 (tractor type)	10 (tractor type)
Track Guides .....	1-in. ( <i>25 mm</i> ) thick high-abrasion-resistant material	1-in. ( <i>25 mm</i> ) thick high-abrasion-resistant material
Track Adjustment .....	Hydraulic	Hydraulic
Travel Speed, Forward and Reverse		
High .....	0-2.5 mph <i>0-4,0 km/h</i>	0-2.2 mph <i>0-3,6 km/h</i>
Low .....	0-1.3 mph <i>0-2,1 km/h</i>	0-1.2 mph <i>0-1,9 km/h</i>
Travel Brakes .....	Sealed, wet multi-disc; automatic application; integral with track drive gear boxes	Sealed, wet multi-disc; automatic application; integral with track drive gear boxes
Tractive Effort .....	74,300 lbf. <i>331 kN</i>	86,300 lbf. <i>384 kN</i>



# TECHNICAL DATA 909J 959J FELLER BUNCHERS

## GROUND PRESSURE

(Less Attachment)

Single Grouser, Clipped Corner, Heavy-Duty

	909J	959J
24 in. 610 mm.....	10.5 psi 72,3 kPa.....	11.0 psi 75,6 kPa
28 in. 710 mm.....	9.1 psi 62,8 kPa.....	9.5 psi 65,7 kPa

Double Grouser, Heavy-Duty

24 in. 610 mm.....	10.5 psi 72,3 kPa.....	11.0 psi 75,6 kPa
--------------------	------------------------	-------------------

## CAPACITIES

	909J	959J
Fuel Tank.....	295 gal. 1 117 L.....	295 gal. 1 117 L
Cooling System.....	11 gal. 42 L.....	11 gal. 42 L
Engine Lubrication, Including Filter.....	30 qt. 28 L.....	30 qt. 28 L
Hydraulic Reservoir Capacity.....	82 gal. 311 L.....	82 gal. 311 L
Swing Gear Box.....	4.6 qt. 4,5 L.....	4.6 qt. 4,5 L
Track Drive Gear Box (Each).....	5.0 qt. 4,8 L.....	5.0 qt. 4,8 L

## ELECTRICAL SYSTEM

	909J	959J
Type.....	24-volt with 80 amp alternator.....	24-volt with 80 amp alternator
Cab Power.....	24- to 12-volt converter.....	24- to 12-volt converter
Batteries.....	Dual, HD low maintenance with automatic disconnect.....	Dual, HD low maintenance with automatic disconnect
Work Lights.....	9 halogen lights.....	9 halogen lights

## OPERATING WEIGHTS

(Less Attachment)

	909J	959J
Approximate Operating Weight**.....	75,900 lb. 34 400 kg.....	79,400 lb. 36 000 kg

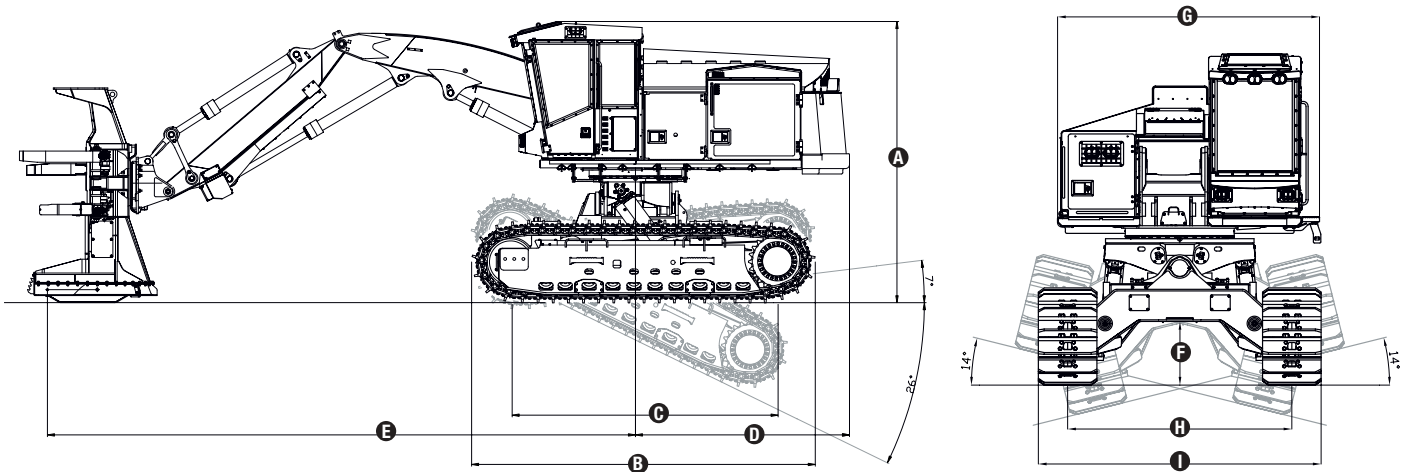
\*\* Approximate operating weight includes all standard equipment, 925-lb. (420 kg) half-full fuel tank, all fluids, 175-lb. (80 kg) operator, less attachment.

## DIMENSIONS

	909J	959J
A. Overall height, standard skylight.....	13 ft. 2 in. 4,00 m	13 ft. 2 in. 4,00 m
B. Overall track length.....	16 ft. 1 in. 4,90 m	16 ft. 1 in. 4,90 m
C. Track length (idler to sprocket center).....	12 ft. 6 in. 3,81 m	12 ft. 6 in. 3,81 m
D. Tail swing (from swing center line).....	10 ft. 3,00 m	10 ft. 7 in. 3,20 m
E. Reach		
Maximum reach		
with FS22B, FR22B.....	27 ft. 5 in. 8,4 m	27 ft. 5 in. 8,4 m
with FG18 (w/extended boom).....	32 ft. 11 in. 10,0 m	N/A
with FR24B.....	N/A	28 ft. 0 in. 8,52 m
Minimum reach		
with FS22B, FR22B.....	16 ft. 6 in. 5,0 m	16 ft. 6 in. 5,0 m
with FG18 (w/extended boom).....	17 ft. 8 in. 5,4 m	N/A
with FR24B.....	N/A	17 ft. 0 in. 5,18 m
F. Ground clearance		
Single grouser shoes.....	30.3 in. 770 mm	30.3 in. 770 mm
Double grouser shoes.....	29.0 in. 734 mm	29.0 in. 734 mm
G. Upperstructure width.....	10 ft. 6 in. 3,20 m	10 ft. 6 in. 3,20 m
H. Track gauge.....	8 ft. 11 in. 2,72 m	8 ft. 11 in. 2,72 m
I. Width over tracks		
24-in. 610 mm track shoes.....	10 ft. 11 in. 3,33 m	10 ft. 11 in. 3,33 m
28-in. 711 mm track shoes.....	11 ft. 3 in. 3,43 m	11 ft. 3 in. 3,43 m

### Note:

Recommended shipping with -7 degrees rear tilt, cab over sprockets, overall height A = 12 ft. 6 in. 3,81 m.  
Optional peaked skylight, add 11-in 280 mm to overall height







# NOTHING RUNS LIKE A DEERE.™

Maybe those words are the reason why almost every other professional logger is a John Deere customer.

They're just five simple words. Yet they have profound impact on your company. Because at their heart they mean equipment that is built forest tough, with greater productivity, more uptime and lower daily operating costs. They mean a dealer network over 380 locations strong, with immediate access to parts and experts that understand your industry. They mean a dedicated lender

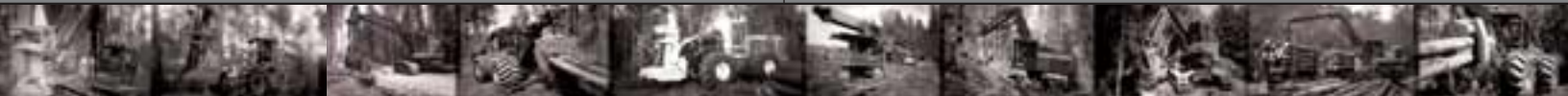
in John Deere Credit, committed to helping loggers succeed with competitive financing to enhance cash flow. And they mean a global forestry equipment leader that invests more in research and development than any other manufacturer.

But most of all, these words represent the confidence that comes with over 169 years of experience.

**Your world is logging. So is ours. John Deere Forestry. Leading the way, worldwide.**

FULL TREE SYSTEM

ADVANCED HARVESTING SYSTEM



PRODUCTIVITY | UPTIME | LOW DAILY OPERATING COSTS

[www.JohnDeere.com](http://www.JohnDeere.com)



**JOHN DEERE**  
Nothing Runs Like A Deere