

# 959M TRACKED FELLER BUNCHER



JOHN DEERE





## 959M TRACKED FELLER BUNCHER

# OUT HERE, ORDINARY DOESN'T CUT IT.

Work can be demanding in your neck of the woods. That's why we rely on real-world insights from customers like you to tell us what you need to succeed. A long and wide undercarriage for singular stability. Powerful standard boom with high lift capacity for the most challenging applications. Dual-swing drive for productivity-boosting power. Expansive visibility. A large fuel tank to keep running — and producing — longer. And a heavy-duty John Deere PowerTech™ Plus 9.0L diesel engine that delivers low total fluid consumption and high dependability. This machine was built to tackle your most difficult tasks.

### **Sure-footed stability**

Reliable tractive effort enables maneuverable negotiation of difficult or steep terrain, deep snow, and swamps. Long and wide undercarriage combined with our industry-leading leveling system maximizes stability on steep slopes and other challenging terrain conditions.

### **Level the playing field**

Optional Advanced Slope Management System measures the actual ground-slope angle the machine is working on and actively displays it on the in-cab monitor. Including our Return-to-Level feature that requires only a single touch to return the rotating upper to a level position (when possible),

the system boosts operator confidence to efficiently navigate tough steep-slope conditions.

### **Dedicated to your work**

Standard Dedicated Travel System works with the powerful 246-kW (330 hp) engine to further improve machine performance and efficiency, especially in higher multifunctioning applications.



## OPTIONAL SLOPE MANAGEMENT SYSTEM EASES OPERATION

### **Rapid Cycle System (RCS)**

Optional RCS can be tailored to individual skill levels and specific harvesting conditions, from large single-tree harvesting to high-speed, multi-stem cutting. Multiple RCS settings can be saved according to individual operator preferences.

### **Work within reach**

Standard boom reach of 8.9 meters (29 feet 4 inches) helps minimize

the machine movements needed to get things done. Adding any of a variety of available large-capacity attachments with up to 686-millimeter (27 inch) cut capacity on the FR27 felling head further increases boom versatility.

### **Simplified service**

Convenient access to service components helps simplify daily checks and preventative-

maintenance tasks, so they get done on schedule, minimizing costly repairs down the road.

### **Get a handle on it**

Optional undercarriage-mounted toolbox provides convenient storage for tools, saw teeth, extra saw bars, and other spare parts, eliminating trips back to the service truck.

## 959M TRACKED FELLER BUNCHER



**CAUTION**  
Avoid personal injury.  
Do not use remote  
controls to start  
engine or start  
machine. Always  
verify control  
operation.

**WARNING**  
This machine may be  
operated with  
engine off that may  
result in loss of  
control.  
Falling debris is a  
hazard and can cause  
personal injury.  
Stay clear of the  
machine until the  
engine has stopped.

**WARNING**  
Do not use remote  
controls to start  
engine or start  
machine. Always  
verify control  
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# PUT TECHNOLOGY TO WORK IN THE WOODS AND AT THE OFFICE.

Coordinate your operation and your team's productivity from wherever your work takes you with John Deere Precision Forestry and our core technology solutions.



## FEATURES

### Core intelligence

Your John Deere Forestry machine arrives from the factory equipped with a powerful set of technologies and capabilities already built in. Each plays an important role in managing the health and performance of your overall equipment fleet:

- **JDLink™ connectivity and the John Deere Operations Center™** let you track your equipment, see which machines are working, and know if they're being utilized properly and at maximum productivity and efficiency.
- **John Deere Connected Support** leverages a suite of dealer and factory tools designed to deliver increased uptime and productivity, and lower daily operating costs.
- **Remote Diagnostics and Programming Capability** within John Deere Connected Support helps your dealer warn you of any issue with your machine — often before you know of the problem yourself — and initiate solutions without charging you for a technician's visit to your jobsite.
- Our advanced dual approach to **Machine Health** combines the expertise of the technology specialists at our dealerships with the data specialists at our central Machine Health Monitoring Center (MHMC). As part of John Deere Connected Support, information from thousands of connected machines flows through the MHMC, enabling our specialists to identify trends and develop new and improved preventative-maintenance and repair protocols.

### Precision Forestry

Take the guesswork out of planning, implementing, and monitoring your logging operation. The tools of our production-planning and -tracking system expand on the core technology features that come standard in every John Deere Forestry machine to unleash a powerful new array of possibilities:

- **TimberMatic™ Maps** is an innovative onboard software solution that helps you reimagine your jobsites. Real-time production views, optimized routes, and a shared cloud connection make it easier than ever before to take your forestry operation to the next level.
- **TimberManager™** is a web-based solution for PCs, tablets, and mobile phones that allows you to follow jobsite progress. Combined with TimberMatic Maps, this software provides complete visibility of your operation — from land harvested to specific machines — so you can streamline communication, analyze tasks, and increase productivity:
  - **Remote Monitoring** keeps tabs on the health and performance of your fleet from wherever you are.
  - **Precise Progress Tracking** lets you set goals for your team to meet throughout the day.
  - **Live Production View** displays progress including tree count, area harvested, and estimated tonnage.
  - **Simplified Mapping** of machine data and GPS-based location tracking shows precise stem and log counts.
  - **Real-Time Updates** let you adjust course or eliminate tasks if needed to maintain steady workflow.
  - **Fleet Optimization** goes beyond machine management to help improve the efficiency of your business.



**JOHN DEERE  
CONNECTED SUPPORT™**

CONNECTS YOUR OPERATION  
TO DEALER & FACTORY EXPERTISE

# FR27

## Powerful productivity

Its 686-millimeter (27 inch) single-cut capacity makes the FR27 our largest-cut-capacity felling head. Over 16-percent-larger capacity than the FR24B, the massive 0.70-square-meter (7.5 square foot) accumulation area of the FR27 enables efficient handling of a single large tree or multiple smaller stems. With long harvesting arms, hardened-steel saw housing, and large side-chip exhaust chute, the productive, durable, and maintenance-friendly FR27 is available as a standard attachment on the 959M Tracked Feller Buncher.



FR27

# FIND YOUR FELLING HEAD AND CUT TO THE BOTTOM LINE

Designed to run on swing-to-tree tracked feller bunchers like the 959M, these flexible felling heads can more than capably help you take it on.



IT  
INE.

## FELLING HEADS

### Well within your reach

From small stems to big timber, softwood to hardwood, level or sloped ground, John Deere has a disk saw felling head that's designed for your job.

### Robust flexibility

Available in both limited and high rotation, the **FS22B** and **FR22B** are our most versatile felling heads. They're robust enough to handle larger, mature trees, with the tree-handling performance to also efficiently accumulate mid-sized timber.

### Proven reliability

Delivering efficient, multi-stem high-accumulation performance with a huge pocket and tall horn, and available in both limited and high-rotation wrist, **FS50** and **FR50** felling heads are best suited for first and second thinnings as well as high-production plantation harvests.

Choose the correct felling head for your 959M Tracked Feller Buncher.



6-14"

Plantation Thinning

Select Cut

High Accumulation

Short-Mid-Height  
Timber

**FS50 / FR50**



14-22"

Select Cut

Final Felling

Mid Accumulation

Mid-Height-  
Tall Timber

**FS22B / FR22B**



18-27"

Final Felling

Swamp Logging (Swell)

Mid-Low Accumulation

Tall Timber

**FR27**



FR50

FS50

FR22B

FS22B

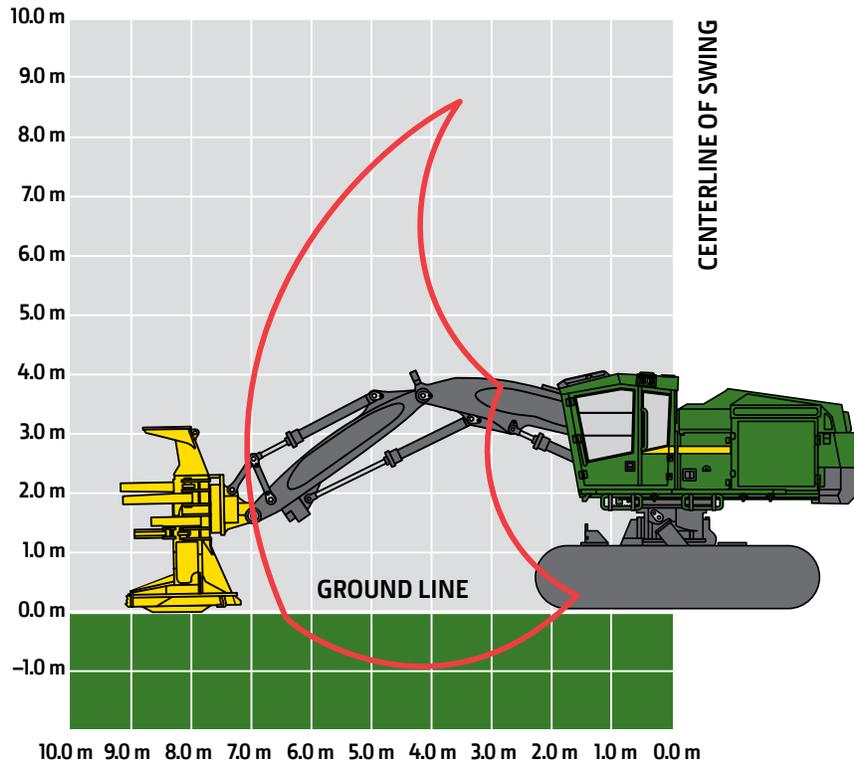
# 959M TRACKED FELLER BUNCHER SPECIFICATIONS

<b>Engine</b>		
<b>959M</b>		
Manufacturer and Model	John Deere PowerTech™ Plus 6090PSS	John Deere PowerTech Plus 6090H
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA
Displacement	9.0 L (549 cu. in.)	9.0 L (549 cu. in.)
Peak Power at 1,900 rpm	246 kW (330 hp)	246 kW (330 hp)
Net Peak Torque at 1,500 rpm	1392 Nm (1,027 lb.-ft.)	1527 Nm (1,126 lb.-ft.)
<b>Cooling</b>		
Fan Type	Suction type, hydraulically driven, variable speed, reversing	
<b>Hydraulics</b>		
Closed center, pressure compensated, load sense		
<b>Dedicated Travel System</b>		
<b>Main Pump</b>	Variable-displacement axial piston	
Maximum Rated Flow	532 L/min. (141 gpm)	
<b>Travel Pump</b>	Variable-displacement axial piston	
Maximum Rated Flow (x2)	209 L/min. (55 gpm)	
<b>Continuous Saw Pump</b>	Dedicated variable-displacement axial piston	
Maximum Rated Flow	114 L/min. (30 gpm)	
<b>Attachment Pump</b>	Dedicated variable-displacement axial piston	
Maximum Rated Flow	135 L/min. (36 gpm)	
Oil Filtration	2 main return filters, 1 case strainer, 1 HST charge filter, 1 HST case filter, 1 case-drain strainer, 25 micron	
<b>Electrical</b>		
	<i>EPA Final Tier 4/EU Stage V</i>	<i>EPA Tier 3/EU Stage IIIA</i>
Voltage	24 volt	24 volt
Number of Batteries	2 x 12 volt	2 x 12 volt
Alternator Rating	150 amp	100-amp standard / 150-amp optional
Work Lights	LED (14)	LED (14)
Service Lights	LED (3)	LED (3)
<b>Undercarriage</b>		
Integral track guides, thick high-abrasion-resistant material, ramp angles, hydraulic track adjustment		
Track Size	U7L Extreme Duty (EXD)	
Track Chain	215.9 mm (8.5 in.)	
Number of Track Links (per side)	47	
Lower Rollers (per side)	10	
Carrier Slides / Rollers (per side)	2	
<b>Travel Performance</b>		
Travel Speed, Forward and Reverse		
High	4.2 km/h (2.6 mph)	
Low	2.0 km/h (1.2 mph)	
Tractive Effort	380 kN (85,430 lbf)	
<b>Rotating Upper</b>		
<b>Swing System, Standard</b>		
Swing Speed (maximum)	4.8 rpm	
Swing Torque	110 170 Nm (81,260 lb.-ft.)	
Swing Brake	Sealed wet multi-disc, manually applied/released	
<b>Serviceability</b>		
	<i>EPA Final Tier 4/EU Stage V</i>	<i>EPA Tier 3/EU Stage IIIA</i>
Fuel Tank	1080 L (285 gal.)	1080 L (285 gal.)
Diesel Exhaust Fluid (DEF) Tank	42 L (11 gal.)	N/A
<b>Ground Pressure (SAE J1309)</b>		
Includes standard equipment, standard boom, standard counterweight, half-full fuel tank, and all fluids, less attachment		
	<i>EPA Final Tier 4/EU Stage V</i>	<i>EPA Tier 3/EU Stage IIIA</i>
Undercarriage	U7L EXD	U7L EXD
Double Grouser		
610 mm (24 in.)	72.6 kPa (10.5 psi)	71.9 kPa (10.4 psi)
Single Grouser		
610 mm (24 in.)	72.4 kPa (10.5 psi)	71.7 kPa (10.4 psi)
711 mm (28 in.)	62.8 kPa (9.1 psi)	62.2 kPa (9.0 psi)

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.

<b>Operating Weight</b>	959M	
Includes standard equipment, standard boom, standard counterweight, 610-mm (24 in.) double-grouser tracks, half-full fuel tank, and all fluids, less attachment		
	<i>EPA Final Tier 4/EU Stage V</i>	<i>EPA Tier 3/EU Stage IIIA</i>
Undercarriage	U7L EXD	U7L EXD
Approximate Weight — Base Machine	37 760 kg (83,260 lb.)	37 401 kg (82,470 lb.)
<b>Boom Performance</b>		
<b>Standard Boom</b>	<i>With FR27</i>	
Maximum Reach (to tip of saw blade)	8.90 m (29 ft. 4 in.)	
Minimum Reach (to tip of saw blade)	4.89 m (16 ft. 2 in.)	
Cutting Swath	4.01 m (13 ft. 2 in.)	
<b>Lift Capacity</b>	<i>With and Without Rapid Cycle System</i>	
Bare Pin at Full Reach	7970 kg (17,570 lb.)	
Bare Pin at 6.1 m (20 ft.)	10 260 kg (22,620 lb.)	

959M Tracked Feller Buncher

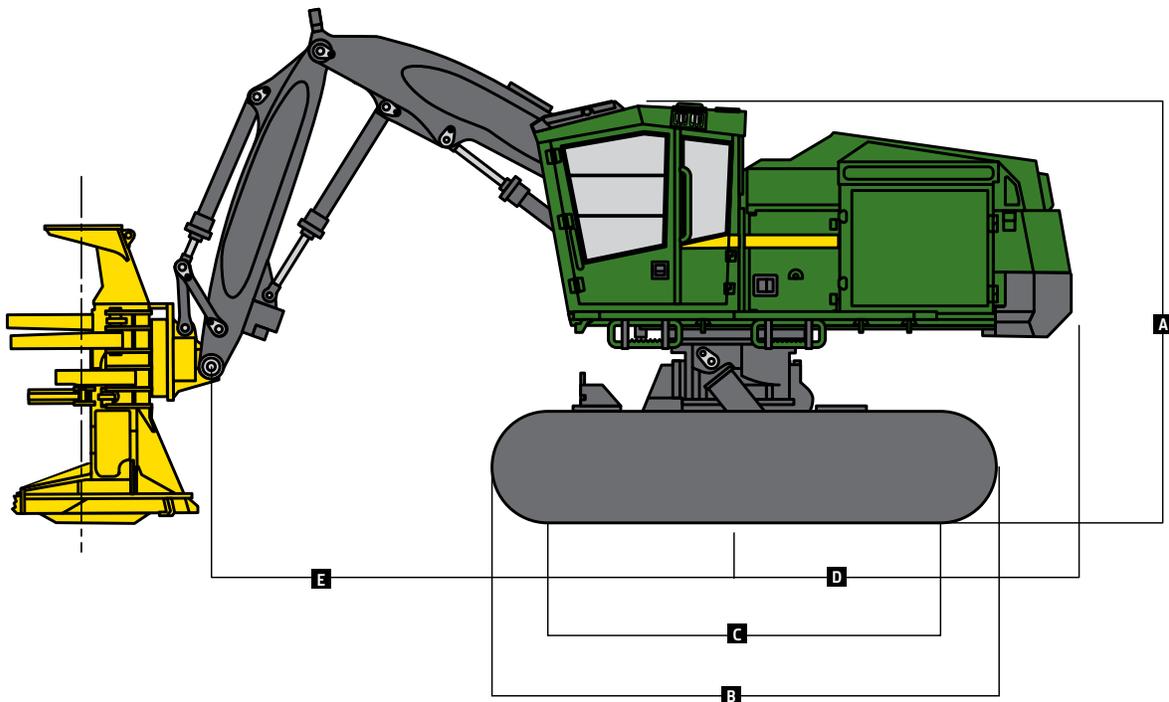


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# 959M TRACKED FELLER BUNCHER SPECIFICATIONS (continued)

Attachment Information		959M				
Attachment		FS22B	FR22B	FR27	FS50	FR50
Maximum Cutting Capacity		559 mm (22.0 in.)	559 mm (22.0 in.)	686 mm (27.0 in.)	508 mm (20.0 in.)	508 mm (20.0 in.)
Maximum Accumulation Capacity		0.48 m <sup>2</sup> (5.2 sq. ft.)	0.48 m <sup>2</sup> (5.2 sq. ft.)	0.70 m <sup>2</sup> (7.5 sq. ft.)	0.64 m <sup>2</sup> (6.9 sq. ft.)	0.64 m <sup>2</sup> (6.9 sq. ft.)
Opening at Front of Housing		1280 mm (50.4 in.)	1280 mm (50.4 in.)	1382 mm (54.4 in.)	870 mm (34.0 in.)	870 mm (34.0 in.)
Blade Diameter		1422 mm (56.0 in.)	1422 mm (56.0 in.)	1676 mm (66.0 in.)	1346 mm (53.0 in.)	1346 mm (53.0 in.)
Number of Teeth		18	18	18	18	18
Saw rpm		1,150 rpm	1,150 rpm	1,000 rpm	1,250 rpm	1,250 rpm
Wrist Rotation		30 deg.	312 deg.	300 deg.	30 deg.	310 deg.
Width at Saw Housing		1620 mm (63.8 in.)	1620 mm (63.8 in.)	1908 mm (75.1 in.)	1660 mm (65.0 in.)	1660 mm (65.0 in.)
Height		3068 mm (120.8 in.)	3068 mm (120.8 in.)	3094 mm (121.8 in.)	2850 mm (112.0 in.)	2850 mm (112.0 in.)
Weight (including adapter and wrist)		3550 kg (7,830 lb.)	3840 kg (8,470 lb.)	4220 kg (9,310 lb.)	3370 kg (7,430 lb.)	3660 kg (8,070 lb.)
Machine Dimensions						
Standard Undercarriage		U7L EXD				
<b>A</b> Overall Height With Standard Boom						
Top of Cab With Flat Skylight		4.03 m (13 ft. 3 in.)				
Top of Cab With Peaked Skylight		4.24 m (13 ft. 11 in.)				
Top of Boom, Extended, Attachment Vertical		4.07 m (13 ft. 4 in.)				
<b>B</b> Overall Track Length		4.90 m (16 ft. 1 in.)				
<b>C</b> Track Length (idler to sprocket center)		3.81 m (12 ft. 6 in.)				
<b>D</b> Tail Swing (from swing center)		3.18 m (10 ft. 5 in.)				
<b>E</b> Boom Reach (to attachment pin)						
<b>Standard Boom</b>						
Maximum		7.01 m (23 ft. 0 in.)				
Minimum		3.00 m (9 ft. 10 in.)				
Cutting Swath		4.01 m (13 ft. 2 in.)				

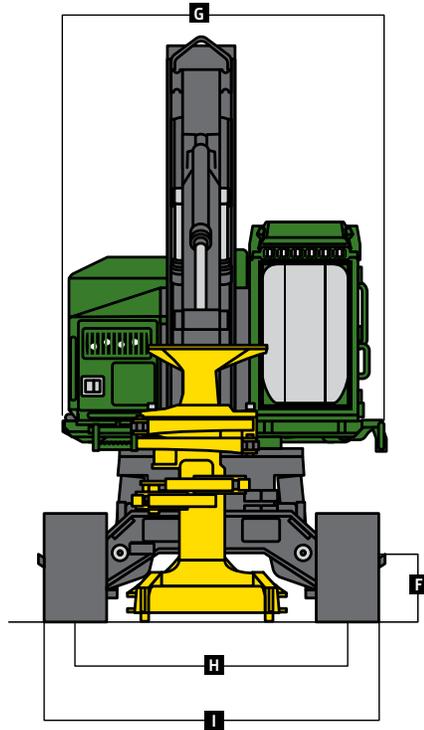
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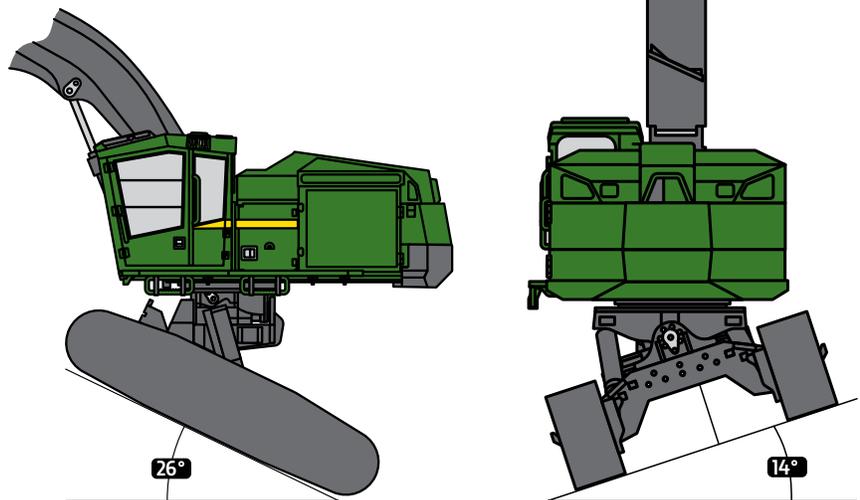
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Machine Dimensions <i>(continued)</i>		959M
Standard Undercarriage <i>(continued)</i>		U7L EXD
<b>F</b> Ground Clearance		
Single Grouser		770 mm (30 in.)
Double Grouser		747 mm (29 in.)
<b>G</b> Upperstructure Width With Standard Walkway		3.20 m (10 ft. 6 in.)
<b>H</b> Track Gauge		2.72 m (8 ft. 11 in.)
<b>I</b> Width Over Tracks		
610-mm (24 in.) Track Shoes		3.33 m (10 ft. 11 in.)
711-mm (28 in.) Track Shoes		3.43 m (11 ft. 3 in.)

**959M Tracked Feller Buncher**



**959M Leveling**



**959M Undercarriage-Leveling Mechanism**

Forward	26 deg.
Side to Side	14 deg.
Rearward	7 deg.

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MTFB959U (24-08)

Contact us to learn more.

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