953MH TRACKED HARVESTER

JOHN DEERE

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. Standard and long-reach boom options with choice of multiple attachments to match the application. 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.

Within easy reach
Two boom options are designed to match your attachment and application. A powerful 9.12-meter (29.9 foot) boom accommodates large harvesting attachments in big timber, while a more versatile 10.34-meter (33.9 foot) boom with extended harvesting/processing reach is ideal for applications requiring mid-sized attachments.

Through-nose plumbing option
Optional through-nose plumbing routes hoses up and out of harm's way to extend their wear life, increasing uptime and reducing operating costs.

Sure-footed stability
Reliable tractive effort enables maneuverable negotiation of difficult or steep terrain, deep snow, and swamps. Long and wide undercarriage maximizes stability in all terrain conditions.

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.

Comfortable control
Fully adjustable armrests include mounted keypads, for fingertip control of all machine functions. Standard air-ride suspension seat in the climate-controlled cab helps provide exceptional daylong comfort. New heated-ventilated seat (HVS) is an optional amenity.

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

Low total fluid consumption
John Deere EPA Final Tier 4 (FT4)/EU Stage V diesels maintain peak engine performance while minimizing total fluid consumption — diesel fuel plus diesel exhaust fluid (DEF). This exceptionally conservative DEF-use rate is up to four times lower than that of some other FT4 systems.

TAKE CONTROL WITH IBC

Boost productivity from the get-go
Optional Intelligent Boom Control (IBC) smoothes boom operation, making it more precise and efficient.

Nice and precise
IBC improves the precision of attachment positioning, especially at extended reaches. Joystick movements deliver consistently smooth boom speed, no matter how far the boom is extended.

Effortless control
With IBC, operators no longer need to control each independent boom function separately. Just control the attachment position, and IBC automatically guides the boom and cylinders accordingly. IBC also automatically controls swing speed based on the overall position of the attachment.

Choose how you work
IBC is easily configurable to user preference, so operators can adapt their motions to the application. The IBC control pattern that works best for each operator can also be selected, further enhancing personal ease of use. Individual user settings can be saved in up to eight separate profiles, to accommodate multiple skill and experience levels.

IBC ENABLES PRECISE BOOM MOVEMENTS

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** lets you track your equipment, see which machines are working, and know if they're being utilized properly and at maximum productivity and efficiency.
- Enabled through JDLink, **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 shared wireless connections between machines 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.

953MH *TRACKED HARVESTER SPECIFICATIONS*

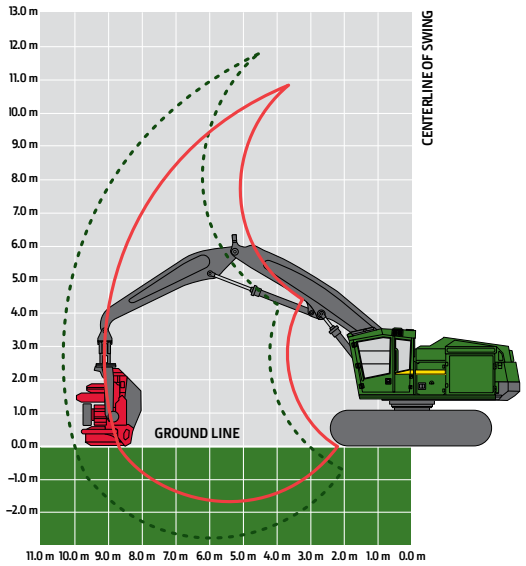
Engine	**953MH**	
Manufacturer and Model	John Deere PowerTech™ Plus 6090PSS	John Deere PowerTech Plus 6090H
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II
Displacement	9.0 L (549 cu. in.)	9.0 L (549 cu. in.)
Peak Power at 1,900 rpm	246 kW (330 hp)	246 kW (330 hp)
Net Peak Torque at 1,500 rpm	1392 Nm (1,027 lb.-ft.)	1527 Nm (1,126 lb.-ft.)
Cooling		
Fan Type	Suction type, hydraulically driven, variable speed, reversing	
Hydraulics		
Closed center, pressure compensated, load sense		
Main Pump	Variable-displacement axial piston	
Maximum Rated Flow	532 L/min. (141 gpm)	
Attachment Pump	Dedicated variable-displacement axial piston	
Maximum Rated Flow	209 L/min. (55 gpm)	
Oil Filtration	2 main return filters, 10-micron return with bypass, 1 case-drain strainer, 25 micron	
Electrical		
	EPA Final Tier 4/EU Stage V	*EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II*
Voltage	24 volt	24 volt
Number of Batteries	2 x 12 volt	2 x 12 volt
Alternator Rating	200 amp	100-amp standard / 130-amp optional
Work Lights	LED (13)	LED (13)
Service Lights	LED (3)	LED (3)
Undercarriage		
Integral track guides, thick high-abrasion-resistant material, ramp angles, hydraulic track adjustment		
Track Size	U7 Extreme Duty (EXD)	
Track Chain	215.9 mm (8.5 in.)	
Number of Track Links (per side)	47	
Lower Rollers (per side)	9	
Carrier Slides / Rollers (per side)	2	
Travel Performance		
Travel Speed, Forward and Reverse		
High	4.2 km/h (2.6 mph)	
Low	2.0 km/h (1.2 mph)	
Tractive Effort	322 kN (72,300 lbf)	
Rotating Upper		
Swing System, Standard		
Swing Speed (maximum)	4.8 rpm	
Swing Torque	110 170 Nm (81,260 lb.-ft.)	
Swing Brake	Sealed wet multi-disc, manually applied/released	
Serviceability		
	EPA Final Tier 4/EU Stage V	*EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II*
Fuel Tank	1080 L (285 gal.)	1080 L (285 gal.)
Diesel Exhaust Fluid (DEF) Tank	42 L (11 gal.)	N/A
Ground Pressure *(SAE J1309)*		
Includes standard equipment, half-full fuel tank, and all fluids, less attachment	*EPA Final Tier 4/EU Stage V*	*EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II*
Undercarriage	U7 EXD	U7 EXD
Counterweight	Large	Large
Harvesting Boom (with thru-nose cradle)	10.34 m (33.9 ft.)	10.34 m (33.9 ft.)
Double Grouser		
610 mm (24 in.)	64.2 kPa (9.3 psi)	63.5 kPa (9.2 psi)
762 mm (30-in. TriTrack)	52.3 kPa (7.6 psi)	51.7 kPa (7.5 psi)
Single Grouser		
610 mm (24 in.)	63.8 kPa (9.3 psi)	63.1 kPa (9.2 psi)
711 mm (28 in.)	55.4 kPa (8.0 psi)	54.8 kPa (7.9 psi)
Triple Grouser (soft terrain only)		
914 mm (36-in. TriTrack)	44.3 kPa (6.4 psi)	43.8 kPA (6.4 psi)
Operating Weight		
Includes standard equipment, 610-mm (24 in.) single-grouser tracks, half-full fuel tank, and all fluids, less attachment	*EPA Final Tier 4/EU Stage V*	*EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II*
Undercarriage	U7 EXD	U7 EXD
Counterweight	Large	Large
Harvesting Boom (with thru-nose cradle)	10.34 m (33.9 ft.)	10.34 m (33.9 ft.)
Approximate Weight — Base Machine	33 360 kg (73,560 lb.)	33 000 kg (72,770 lb.)

Boom Performance	953MH			
9.12-m (29.9 ft.) Boom (5.44-m swath) With HTH624C		**10.34-m (33.9 ft.) Boom (6.13-m swath) With HTH623C**		
Lift Capacity, Bare Pin at Full Reach	6170 kg (13,600 lb.)	Lift Capacity, Bare Pin at Full Reach	4860 kg (10,720 lb.)	
Lift Capacity, Bare Pin at 7.6 m (25 ft.)	8220 kg (18,130 lb.)	Lift Capacity, Bare Pin at 9.1 m (30 ft.)	5800 kg (12,790 lb.)	
		Lift Capacity, Bare Pin at 7.6 m (25 ft.)	7300 kg (16,100 lb.)	

Attachment Information				
Attachment	*HTH622B*	*HTH623C*	*HTH624C*	*HTH625C*
Maximum Cutting Capacity	750 mm (29.5 in.)	750 mm (29.5 in.)	810 mm (31.9 in.)	900 mm (35.4 in.)
Maximum Delimbing Capacity	640 mm (25.2 in.)	700 mm (27.6 in.)	760 mm (29.9 in.)	810 mm (31.9 in.)
Feeding Mechanism	3 rollers, fully synchronized hydraulic drive		3 rollers, fully synchronized hydraulic drive	
Dimensions				
Maximum Width (arms open)	1700 mm (66.9 in.)	2000 mm (78.7 in.)	2000 mm (78.7 in.)	2000 mm (78.7 in.)
Height (including rotator)	2700 mm (106.3 in.)	3000 mm (118.1 in.)	3000 mm (118.1 in.)	3250 mm (128.0 in.)
Weight (rotator and standard link)	2190 kg (4,830 lb.)	2870 kg (6,330 lb.)	3460 kg (7,630 lb.)	4270 kg (9,420 lb.)

See individual Harvesting Head brochure for more details.

Machine Dimensions			
Standard Undercarriage	U7 EXD	Standard Undercarriage *(continued)*	U7 EXD
A Overall Height With 9.12-m (29.9 ft.) Boom		**H** Track Gauge	2.69 m (8 ft. 10 in.)
Top of Cab With Flat Skylight	3.55 m (11 ft. 8 in.)	**I** Width Over Tracks	
Top of Cab With Peaked Skylight	3.77 m (12 ft. 4 in.)	610-mm (24 in.) Track Shoes	3.30 m (10 ft. 10 in.)
Top of Boom, Extended, Attachment Vertical	3.86 m (12 ft. 8 in.)	711-mm (28 in.) Track Shoes	3.40 m (11 ft. 2 in.)
B Overall Track Length	4.90 m (16 ft. 1 in.)	760-mm (30 in.) Track Shoes	3.45 m (11 ft. 4 in.)
C Track Length (idler to sprocket center)	3.83 m (12 ft. 7 in.)	914-mm (36 in.) Track Shoes	3.61 m (11 ft. 10 in.)
D Tail Swing (from swing center)	3.18 m (10 ft. 5 in.)		
E Boom Reach (to attachment pin)			
9.12-m (29.9 ft.) Boom			
Maximum	9.12 m (29 ft. 11 in.)		
Minimum	3.68 m (12 ft. 1 in.)		
Cutting Swath	5.44 m (17 ft. 10 in.)		
10.34-m (33.9 ft.) Boom			
Maximum	10.34 m (33 ft. 11 in.)		
Minimum	4.21 m (13 ft. 10 in.)		
Cutting Swath	6.13 m (20 ft. 1 in.)		
F Ground Clearance			
Single Grouser	779 mm (31 in.)		
Double Grouser	756 mm (30 in.)		
Triple Grouser	738 mm (29 in.)		
G Upperstructure Width			
Without Optional Walkway	3.05 m (10 ft. 0 in.)		
With Optional Walkway	3.20 m (10 ft. 6 in.)		



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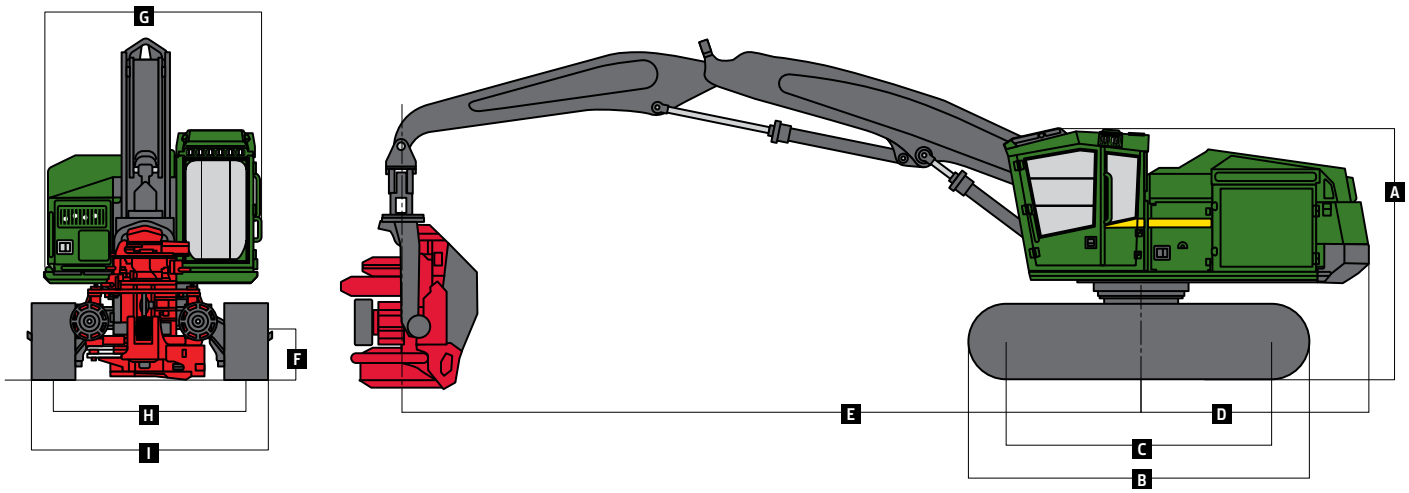

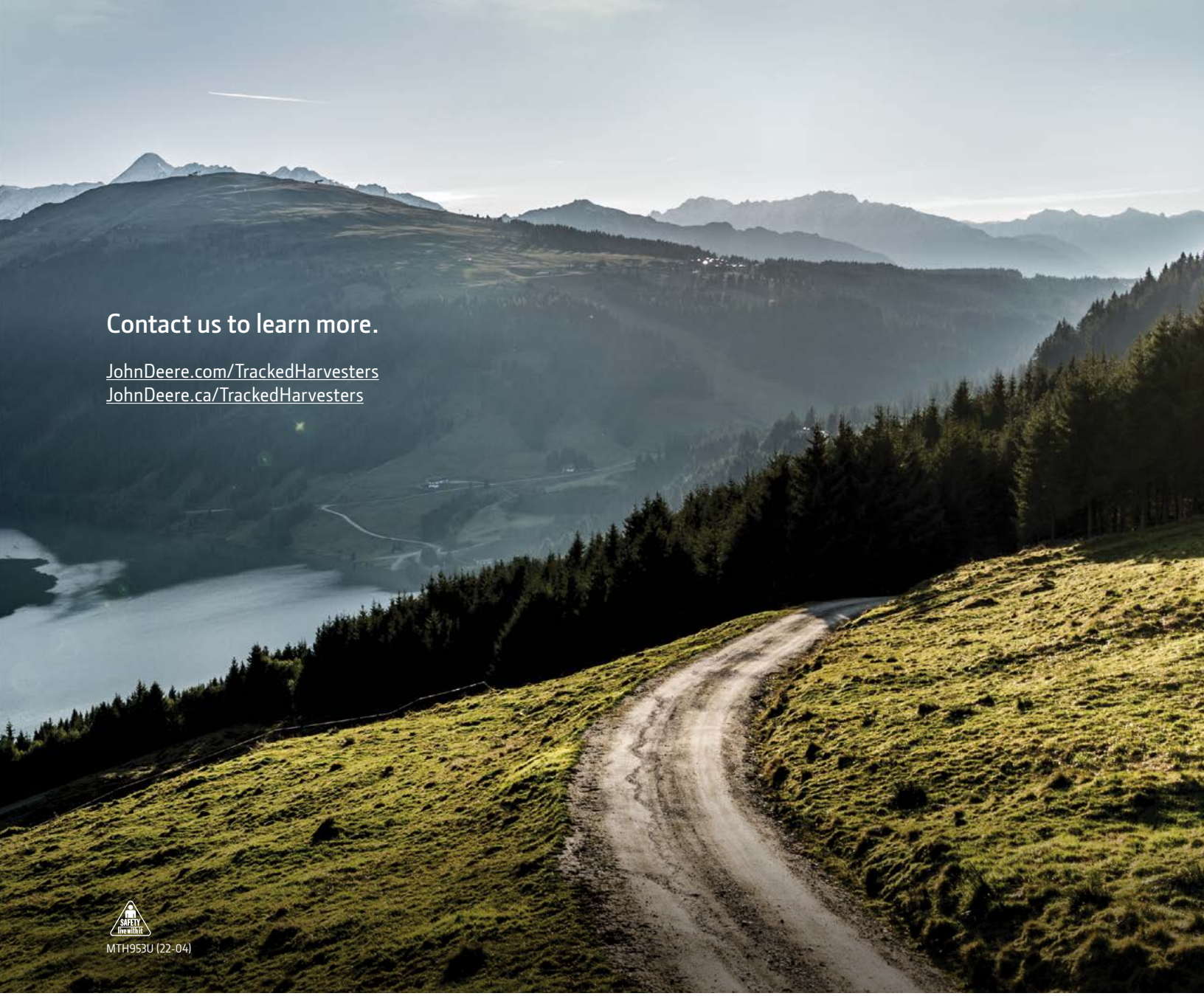

Contact us to learn more.

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