

1070G WHEELED HARVESTER



JOHN DEERE



TOUGH CONDITIONS CALL FOR STRONG SOLUTIONS.

Your work puts you through some pretty harsh paces. And because you live it every day, we listen when customers like you tell us what they need to make it work in the woods. With components purpose-built to withstand the toughest environments and applications, the 1070G Wheeled Harvester includes a wealth of forestry-proven features designed to make your toughest jobs easier. Intelligent Boom Control, rotating cab with expansive visibility, and your choice of four- or six-wheel configurations are just some of the solutions that can power things up for your operation.

Smart and steady

Operators can choose a driving mode to match the conditions. Select **Normal** mode for everyday operation or **Power** mode in high-load situations. For lighter demands, **Economy** mode reduces engine speed and noise while improving fuel efficiency.

Abundant agility

Available in four- and six-wheel configurations, the nimble, productive 1070G Wheeled Harvester is the perfect choice for thinning operations.

Do your level best

Rotating and smooth-leveling cab turns 160 degrees to provide 360-degree visibility of surroundings and boom movements. Auto-leveling cab keeps the operator balanced and comfortable in steep and uneven terrain.

Far from the daily grind

Grouped checkpoints and optional central lubrication system speed daily checks and greasing. Hydraulic-driven variable-speed fan runs only as needed, reducing fuel consumption and debris flow through the cooler cores. It's programmable to reverse at periodic intervals to clear core-clogging buildup.

It's easy to see

Standard RENCRAFT® Super Hard Coat polycarbonate windows are scratch resistant, easy to clean, and optically enhanced. These windows fulfill ISO 21876 standard for saw-chain shot protection. Plus, with almost 50-percent-thicker material than previous windows, the cab is better insulated and quieter, too.

Durable diesel

High-performance EPA Final Tier 4 (FT4)/EU Stage V John Deere PowerTech™ Plus engine maintains productivity while minimizing total fluid consumption — diesel fuel plus diesel exhaust fluid.





TAKE CONTROL WITH IBC

Boost productivity from the get-go

Optional Intelligent Boom Control (IBC) smoothes boom operations, making them more precise and efficient, to increase operator productivity compared to a 1070G without IBC.

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 separate profiles, to accommodate multiple skill and experience levels.



**IBC ENABLES *PRECISE*
BOOM MOVEMENTS**

1070G WHEELED HARVESTER



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 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 production progress by assortment, timber volume harvested, and volume transported to roadside storage.
- **Simplified Mapping** of machine data and GPS-based location tracking shows production by assortment.
- **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

1070G

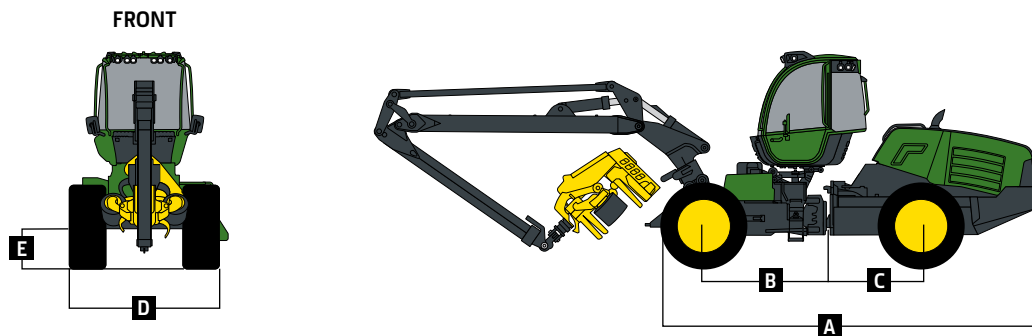
WHEELED HARVESTER SPECIFICATIONS

Engine	1070G 4W / 6W	
Manufacturer and Model	John Deere PowerTech™ Plus 6068	
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	
Maximum Power	136 kW (182 hp) at 1,600–2,000 rpm	
Net Peak Torque	850 Nm (627 lb.-ft.) at 1,400–1,500 rpm	
Fuel Tank Capacity	300 L (79.3 gal.)	
Diesel Exhaust Fluid (DEF) Tank Capacity		
Total	24 L (6.3 gal.)	
Usable	13 L (3.4 gal.)	
Transmission		
Hydrostatic-mechanical, 2-speed gearbox		
Tractive Force	130 kN (29,200 lb.)	
Travel Speed		
Gear 1	0–7.5 km/h (0–4.7 mph)	
Gear 2	0–24 km/h (0–14.9 mph)	
Steering/Brakes		
Proportional frame steering with electrical joystick		
Turning Angle	±44 deg.	
Brakes	Hydraulically actuated, oil-immersed, multi-disc service brakes	
Parking/Emergency	Spring actuated	
Frame Oscillation	Automated	
Axles/Bogies	1070G 4W	1070G 6W
Axles	Differential lock at front and rear	
Front	Rigid axle	Balanced bogie axle
Rear	Rigid axle	Rigid axle
Electrical	1070G 4W / 6W	
Voltage	24 volt	
Batteries	2 x 145 Ah	
Alternator	150 A (28 volt)	
Lights	LED	
Hydraulics		
Load sensing		
Pump Capacities	160 cm³ (9.7 cu. in.)	
Working Pressure	24 MPa (3,480 psi) / 28 MPa (4,060 psi)	
Hydraulic Tank	160 L (42.3 gal.)	
Boom		
Type	180S	
Maximum Reach Lengths (head included)	8.6 m (28.2 ft.) / 10.0 m (32.8 ft.) / 10.8 m (35.5 ft.)	
Gross Lifting Torque	143 kNm (105,500 ft.-lb.)	
Slewing Torque	38 kNm (28,000 ft.-lb.)	
Slewing Angle	220 deg.	
Tilt Angle, Forward / Back	+28 / –14 deg.	
Cabin		
Rotating and leveling		
Rotating Angle	160 deg.	
Sideways Tilt	17 deg.	
Forward and Backward Tilt	10 deg.	
Measuring and Control System		
Type	PC / Windows® 10-based TimberMatic™ H-16	
Harvester Heads		
Attachments	H212, H423, and H424	

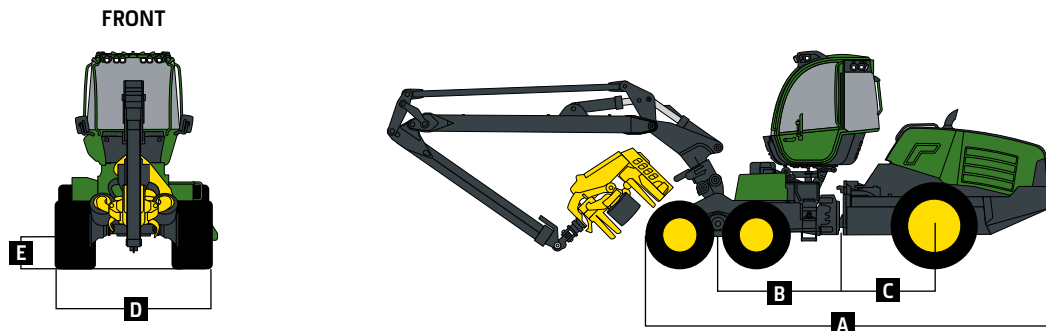
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Dimensions*		1070G 4W	1070G 6W
A	Length	6723 mm (22.06 ft.)	6990 mm (22.93 ft.)
B	Front Axle — Middle Joint	1850 mm (6.07 ft.)	1850 mm (6.07 ft.)
C	Rear Axle — Middle Joint	1850 mm (6.07 ft.)	1850 mm (6.07 ft.)
B + C	Wheelbase	3700 mm (12.14 ft.)	3700 mm (12.14 ft.)
Tires			
	Front	34 in. or 26.5 in.	22.5 in.
	Rear	34 in.	26.5 in.
D	Width		
	600-Series Tires	Min. 2600 mm (8.53 ft.)	Min. 2663 mm (8.74 ft.)
	650-Series Tires	Min. 2710 mm (8.89 ft.)	Min. 2710 mm (8.89 ft.)
	710-Series Tires	Min. 2790 mm (9.15 ft.)	Min. 2823 mm (9.26 ft.)
	Outer Turning Radius — 710-Series Tires	5815 mm (19.08 ft.)	6017 mm (19.74 ft.)
	Inner Turning Radius — 710-Series Tires	3080 mm (10.10 ft.)	3247 mm (10.65 ft.)
	Transport Height	3708 mm (12.17 ft.)	3730 mm (12.24 ft.)
	Transport Length	11 435 mm (37.52 ft.)	11 424 mm (37.48 ft.)
E	Ground Clearance, Middle Joint	570 mm (22.4 in.)	590 mm (23.2 in.)
	Minimum Machine Weight With Harvester Head	15 200 kg (33,510 lb.)	16 000 kg (35,274 lb.)
*Dimensions are guidelines only and may vary depending on production tolerances.			

1070G 4W Harvester



1070G 6W Harvester



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MWH1070GF (23-09)

Contact us to learn more.

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