# 1470G WHEELED HARVESTER





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# 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 1470G 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 a compact six-wheel configuration 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 highload situations. For lighter demands, **Economy** mode reduces engine speed and noise while improving fuel efficiency.

### Smooth operator

For ultimate harvesting productivity, choose the stable and smooth 1470G Wheeled Harvester. Equipped with its CH9 rigid boom that delivers precise control, the 1470G is perfect for tackling large timber and extreme conditions.

#### It's easy to see

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

#### 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. Hydraulicdriven 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 coreclogging buildup.

#### **Durable diesel**

High-performance EPA Final Tier 4 (FT4)/EU Stage V John Deere PowerTech<sup>™</sup> 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 1470G without IBC.

### Nice and precise

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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.



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# PUT TECHNOLOGY TO WORK IN THE WOODS AND AT THE OFFICE.

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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<sup>™</sup> connectivity and the John Deere Operations Center<sup>™</sup> 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:

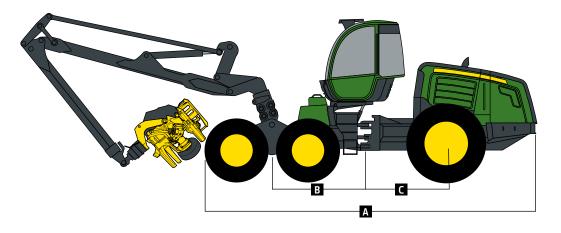
- TimberMatic<sup>™</sup> Maps is an innovative onboard software solution that helps you reimagine your jobsites. Real-time production views and shared wireless connections between machines make it easier than ever before to take your forestry operation to the next level.
- TimberManager<sup>™</sup> 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.

# **1470G** WHEELED HARVESTER SPECIFICATIONS

| Engine                                      | 1470G   |   |
|---|---|---|
| Manufacturer / Model                        | John Deere PowerTech™ Plus 6090   | John Deere PowerTech Plus 6090                    |
| Non-Road Emission Standards                 | EPA Final Tier 4/EU Stage V   | EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II |
| Maximum Power                               | 200 kW (268 hp) at 1,600–2,000 rpm  | 190 kW (255 hp) at 1,600–2,000 rpm                |
| Maximum Torque                              | 1315 Nm (970 ftlb.) at 1,200–1,400 rpm                                      | 1250 Nm (922 ftlb.) at 1,200–1,400 rpm            |
| Fuel Tank Capacity                          | 450 L (119 gal.)  | 450 L (119 gal.)                                  |
| Diesel Exhaust Fluid (DEF) Tank Capacity    | .50 ± (5 gall)  |   |
| Total                                       | 23 L (6 gal.)   | N/A   |
| Usable                                      | 14.5 L (3.8 gal.)   | N/A   |
| Transmission                                | 11.5 E (5.6 gal.)   | IVA   |
| Hydrostatic-mechanical, 2-speed gearbox     |   |   |
| Tractive Force                              | 200 kN (44,960 lb.)   |   |
| Travel Speed                                | 200 kiv (++,500 lb.)  |   |
| Gear 1                                      | 0.75  km/h (0.43  mnh)  |   |
| Gear 2                                      | 0–7.5 km/h (0–4.3 mph)<br>0–22 km/h (0–13.7 mph)                            |   |
| Steering/Brakes                             | 0–22 kiii/11 (0–13.7 iiipii)  |   |
|   |   |   |
| Proportional frame steering with mini lever | ±44 deg.  |   |
| Turning Angle                               | 5   |   |
| Brakes                                      | Hydraulically actuated, oil-immersed, multi-disc service and working brakes |   |
| Parking/Emergency                           | Spring actuated   |   |
| Frame Oscillation                           | Automated   |   |
| Axles/Bogies                                |   |   |
| Axles                                       | Differential lock at front and rear   |   |
| Front                                       | Balanced bogie axles  |   |
| Rear  | Rigid axle  |   |
| Electrical                                  |   |   |
| Voltage                                     | 24 volts  |   |
| Batteries                                   | 2 x 154 Ah  |   |
| Alternator                                  | 150 amps (28 volts)   |   |
| Lights                                      | LED   |   |
| Hydraulics                                  |   |   |
| Load-sensing, power-adjustable, double-pu   |   |   |
| Pump Capacities                             | 210 cm <sup>3</sup> (13 cu. in.) and 180 cm <sup>3</sup> (11 cu. in.)       |   |
| Maximum Operating Pressure                  | 28 MPa (4,060 psi)  |   |
| Hydraulic Tank                              | 300 L (79 gal.)   |   |
| Boom  |   |   |
| Туре  | CH9   |   |
| Maximum Reach Lengths (head included)       | 8.6 m (28.2 ft.) / 10.0 m (32.8 ft.) / 11.0 m (36.1 ft.)                    |   |
| Gross Lifting Torque                        | 225 kNm (166,000 ftlb.)   |   |
| Slewing Torque                              | 59 kNm (44,000 ftlb.)   |   |
| Slewing Angle                               | 220 deg.  |   |
| Tilt Angle, Forward / Back                  | +28 / -18 deg.  |   |
| Cabin                                       |   |   |
| Leveling and rotating, or fixed cabin       |   |   |
| Rotating Angle                              | 160 deg.  |   |
| Sideways Tilt                               | 17 deg.   |   |
| Forward and Backward Tilt                   | 9 deg.  |   |
| Measuring and Control System                |   |   |
| Туре  | PC / Windows® 10-based TimberMatic™ H-16                                    |   |
| Harvester Heads                             |   |   |
| Attachments                                 | H270 Series II, H215E, H219, H425, H425HD, and H480                         | C   |
|   |   |   |

| Dimer | nsions*   | 1470G                                     |
|-------|---|---|
| Α     | Length  | 7944 mm (26.06 ft.)                       |
| В     | Front Axle — Middle Joint                                     | 2250 mm (7.38 ft.)                        |
| С     | Rear Axle — Middle Joint                                      | 2020 mm (6.63 ft.)                        |
| B+C   | Wheelbase   | 4270 mm (14.01 ft.)                       |
|       | Tires   |   |
|       | Front   | 26.5–20                                   |
|       | Rear  | 34–16                                     |
| D     | Width   |   |
|       | 650-Series Tires  | Min. 2990 mm (9.81 ft.)                   |
|       | 750-Series Tires  | Min. 2990 mm (9.81 ft.)                   |
|       | Outer Turning Radius – 710-Series Tires / 750-Series Tires    | 6932 mm (22.74 ft.) / 6930 mm (22.74 ft.) |
|       | Inner Turning Radius – 710-Series Tires / 750-Series Tires    | 3693 mm (12.12 ft.) / 3690 mm (12.11 ft.) |
|       | Transport Height  | 3910 mm (12.82 ft.)                       |
|       | Transport Length  | 12 280 mm (40.28 ft.)                     |
| E     | Ground Clearance  | 754 mm (29.7 in.)                         |
|       | Minimum Machine Weight With/ Harvester Head                   | 22 900 kg (50,486 lb.)                    |
| *Dime | ensions are guidelines only and may vary depending on product | ion tolerances.                           |

### 1470G Wheeled Harvester



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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.

