803MH TRACKED HARVESTER

[Image of a John Deere 803MH tracked harvester in a forest]
Keeping up in the woods and at the landing can be some of the hardest work you do. So when you asked for job-proven mid-size might to help get things done, we took it from there. The result is a tracked harvester equipped with standard Smooth Boom Control (SBC) for exceptional command. A long and wide undercarriage for sturdy stability. Dual-swing drive for powerful performance. Uncompromising cab comfort and visibility. Plus a range of available options to suit your application including Intelligent Boom Control (IBC) for optimized control and operation. It all adds up to a purpose-built machine designed to work for you.

**Smooth operation**
Smooth Boom Control (SBC) allows machine movements to be controlled more effectively, delivering a smoother experience for the operator and less wear and tear on the machine over time.

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

**Dedicated to your work**
Optional Dedicated Travel System further improves overall efficiency during multifunctioning.

**Comfortable control**
Ergonomically designed controls and seat with dual-density seat pan and contour plus updated armrest and suspension boost overall operator comfort. Options such as heated-ventilated seat (HVS) and updated premium Bluetooth® radio with XM Satellite Radio ready from the factory take comfort to the next level.

**Expansive visibility**
Floor-to-ceiling front window, large side windows, skylight, and optional floor window significantly expand the view of the harvesting area and the work at hand.

**Reach beyond**
Extended stick option for the 803MH enables a longer reach to minimize the number of cut trails and enhance machine efficiency.

**Smart debris management**
Designed to keep your workspace free and clear, the productivity-boosting debris-management system is integrated into the hood and left-side guarding to prevent materials and debris from entering the cooling package. External screening, sealed cooler compartment, and standard variable-speed reversing fan provide protection as needed.
IBC ENABLES PRECISE BOOM MOVEMENTS

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.
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.
## Engine

<table>
<thead>
<tr>
<th>Manufacturer and Model</th>
<th>803MH</th>
<th>John Deere PowerTech™ Plus 6090H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Road Emission Standard</td>
<td>EPA Final Tier 4/EU Stage V / EPA Tier 2/EU Stage II</td>
<td></td>
</tr>
</tbody>
</table>

### Cylinders
- 6

### Displacement
- 9.0 L (549 cu. in.)

### Peak Power at 1,900 rpm
- 224 kW (300 hp)

### Net Peak Torque at 1,500 rpm
- 1270 Nm (937 lb.-ft.)

## Cooling
- Fan Type: Suction type, hydraulically driven, variable speed, reversing

## Hydraulics
- Closed center, load sense, pressure compensated

### Standard Travel System

<table>
<thead>
<tr>
<th>Main Pump</th>
<th>Maximum Rated Flow</th>
<th>532 L/min. (141 gpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attachment Pump</td>
<td>Maximum Rated Flow</td>
<td>209 L/min. (55 gpm)</td>
</tr>
</tbody>
</table>

### Dedicated Travel System

<table>
<thead>
<tr>
<th>Main Pump</th>
<th>Maximum Rated Flow</th>
<th>494 L/min. (131 gpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travel Pump</td>
<td>Maximum Rated Flow (x2)</td>
<td>190 L/min. (50 gpm)</td>
</tr>
<tr>
<td>Attachment Pump</td>
<td>Maximum Rated Flow</td>
<td>181 L/min. (48 gpm)</td>
</tr>
</tbody>
</table>

## Electrical

### Voltage
- 24 volt

### Number of Batteries
- 2 x 12 volt

### Work Lights
- LED (12)

### Service Lights
- LED (2)

## Undercarriage

<table>
<thead>
<tr>
<th>Size</th>
<th>Integral track guides, thick high-abrasion-resistant material, ramp angles, hydraulic track adjustment</th>
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<tbody>
<tr>
<td>Track Chain 203.2 mm (8 in.)</td>
<td></td>
</tr>
<tr>
<td>Number of Track Links (per side)</td>
<td>47</td>
</tr>
<tr>
<td>Lower Rollers (per side)</td>
<td>9</td>
</tr>
<tr>
<td>Carrier Slides/Rollers (per side)</td>
<td>2</td>
</tr>
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### Swing System, Standard

| Swing Speed (maximum) | 6.8 rpm |
| Swing Torque | 94 740 Nm (69,880 lb.-ft.) |

### Swing Brake
- Sealed wet multi-disc, manually applied/released

## Refill Capacities

| Fuel Tank | EPA Final Tier 4/EU Stage V | 870 L (228.9 gal.) |
| Diesel Exhaust Fluid (DEF) | 34 L (8.9 gal.) | N/A |

## Ground Pressure (SAE J1309)

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<th>EPA Tier 3/EU Stage IIIA / EPA Tier 2/EU Stage II</th>
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<tr>
<td>Double Grouser</td>
<td>610 mm (24 in.)</td>
<td>60.4 kPa (8.8 psi)</td>
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<td>762 mm (30 in.)</td>
<td>52.5 kPa (7.6 psi)</td>
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<tr>
<td>Single Grouser</td>
<td>610 mm (24 in.)</td>
<td>59.9 kPa (8.7 psi)</td>
</tr>
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<td>711 mm (28 in.)</td>
<td>52.0 kPa (7.5 psi)</td>
</tr>
<tr>
<td>Triple Grouser (soft terrain only)</td>
<td>914 mm (36 in.)</td>
<td>42.8 kPa (6.2 psi)</td>
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## Operating Weight

Includes standard equipment, 8.84-m (29 ft. 0 in.) boom, medium counterweight, half-full fuel tank, and all fluids, less attachment

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Contact us to learn more.

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