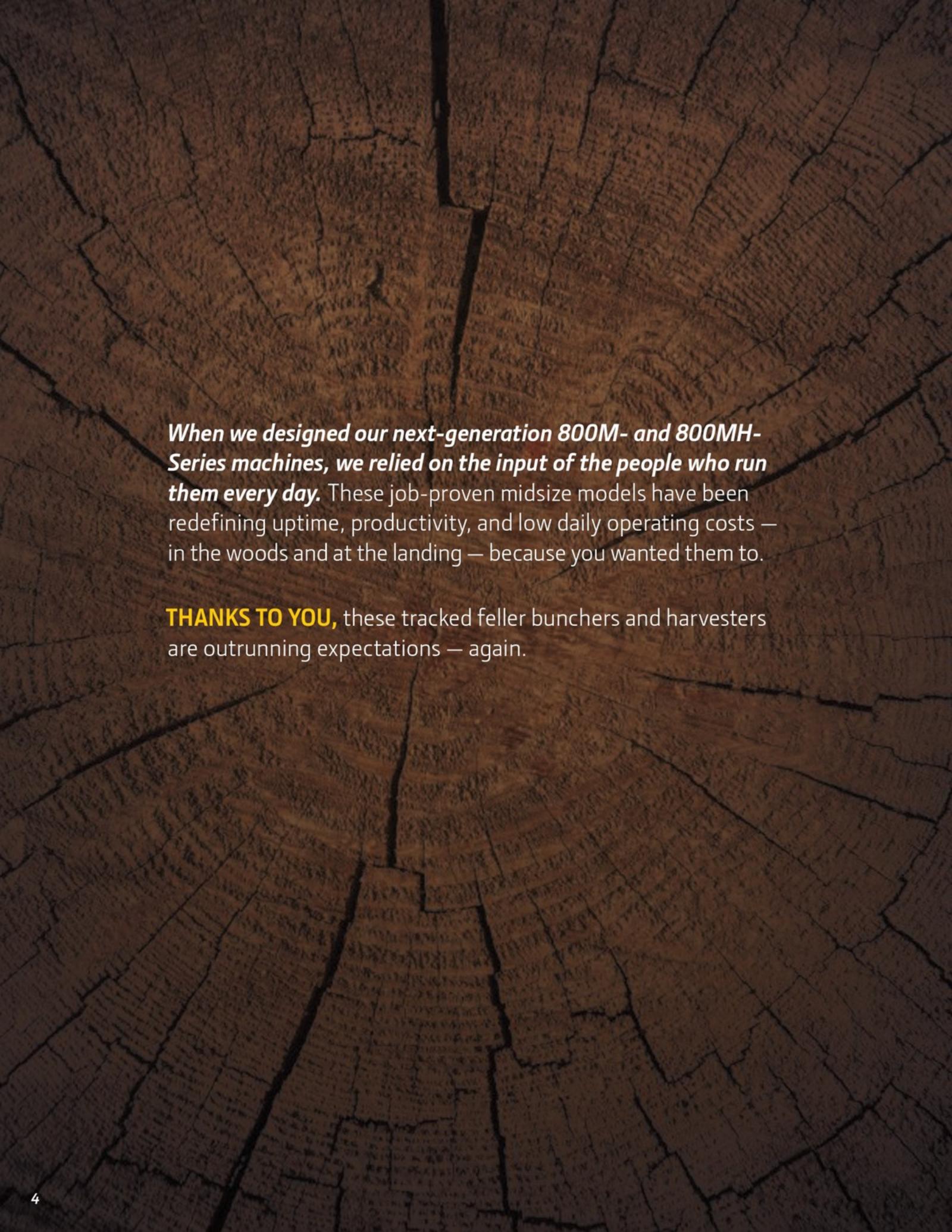
# TRACKED FELLER BUNCHERS/HARVESTERS











# YOU ASKED FOR IT

# Built for the way you work.

Ongoing input from Customer Advocate Groups (CAGs) helps make 800M- and 800MH-Series machines even more rugged and reliable.

## Reach beyond

Extended stick option (for 800MH models only) enables a longer reach to minimize the number of cut trails and enhance machine efficiency.

## Multiple boom-set/ attachment combinations

A variety of boom sets and felling and harvesting attachments can be combined to optimize productivity across a wide range of conditions.

## Sure-footed stability

Long, wide undercarriage provides solid balance to maximize stability, no matter the terrain.

## Get in the swing

Dual swing system increases power and performance in demanding felling or harvesting conditions, boosting overall productivity.

## Ample tractive effort

#### 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 cooling protection when and where it's needed.







# C. Hina ada a al.

# Cutting-edge solutions.

You asked for the latest technology to meet FT4/ Stage V emission regulations, and we listened and delivered. In fact, we're always focused on implementing the right engine solutions at the right time — without compromise of power, reliability, or ease of operation.

# Fluid-efficient FT4 engines

Our EPA Final Tier 4 (FT4)/EU Stage V PowerTech™ PSS diesels meet emission regulations without sacrificing power or torque. Built on our EPA Interim Tier 4 (IT4)/EU Stage IIIB solution, this simple technology delivers a winning combination of performance, fluid efficiency, and reliability.

## Minimal impact on operation

Under normal operating conditions, the engine's natural heat breaks down trapped particulate matter and cleans the exhaust filter without impacting machine operation. Ash-service intervals for the diesel particulate filter (DPF) are condition based, meaning machine alerts will notify the operator before service is required. Typically, ash service is not necessary until the first engine overhaul depending on machine application, regular maintenance practices, and type of lubricating oil.

## Low total fluid consumption

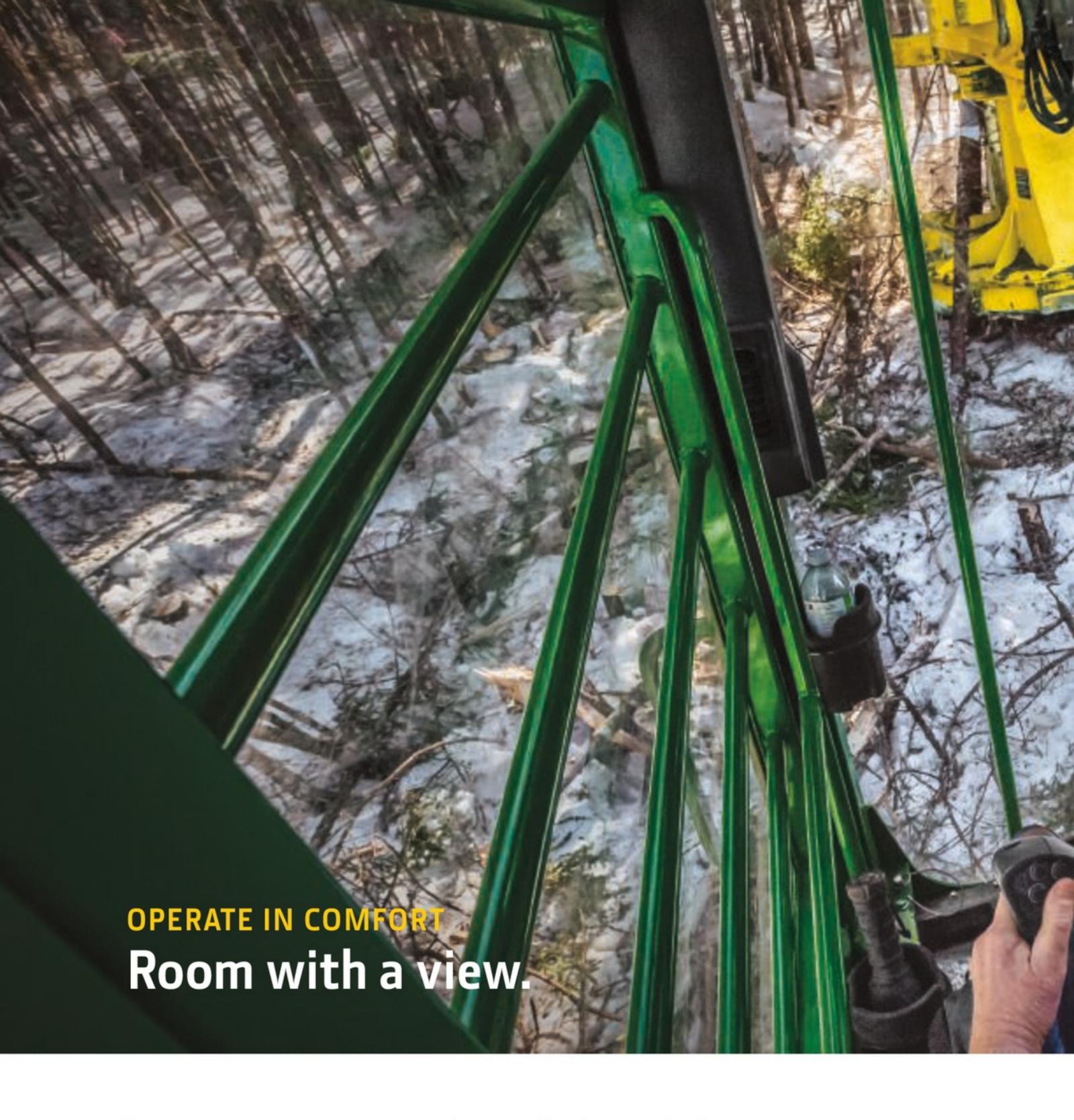
John Deere FT4 engines maintain peak engine performance while minimizing total fluid consumption — diesel fuel plus diesel exhaust fluid (DEF). This exceptionally conservative DEF-use rate is up to four times lower than that of some other FT4 systems.

4 X LOWER

DEF-CONSUMPTION RATE
THAN SOME FT4 SYSTEMS







Spacious operator station was designed by loggers for loggers. It's roomier and more comfortable, with ergonomically designed controls. And the view has to be seen to be believed, with significantly more window area for improved visibility.



#### Low-effort control

Fully adjustable armrests enable fingertip control of all machine functions on tracked feller bunchers; on tracked harvesters, keypads are mounted on the joystick. Fully adjustable air-cushioned seat provides outstanding daylong comfort in the climate-controlled cab.

#### Sealed-switch module

Sealed touch pad keeps out dust, moisture, and debris, minimizing wear. Proven marine-grade control center eliminates rocker switches, numerous wires, and unsealed connections, and lasts up to 10 times longer than standard dash switches.

#### **Expansive visibility**

Floor-to-ceiling front window, large side windows, skylight, and optional floor window (standard on levelers) significantly expand the view of the harvesting area and the work at hand.



Inspired by our larger 900M- and 900MH-Series models, our field-proven, robust booms with thick plates and strong joints help extend durability and wear life. Designed for use with smaller attachments, the extended stick option (only on 800MH models) reaches 9.9 m (32.5 ft.) and features a narrow boom tip to reach past standing timber and cover wider swaths, minimizing damage to harvested trees and easing travel in sensitive areas.

#### Sizable fuel tanks

Large-capacity fuel tank lets you run longer between fill-ups to help keep you up and running.

# Through-nose harvester-head plumbing

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

#### Underneath it all

All 800M- and 800MH-Series machines feature extreme-duty track chain to tackle the most challenging jobsite conditions while extending wear life. Boost multifunctioning and productivity, particularly on slopes and in rough terrain, with optional closed-loop hydrostatic drive. Adjust priority between track drive and other hydraulic functions to match jobsite conditions and operator preference.

#### Get a handle on it

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







# Get valuable insight with JOHN DEERE FORESTSIGHT

The in-base JDLink™ telematics subscription is the foundation of our John Deere ForestSight forestry technology solutions. To optimize productivity and efficiency, TimberMatic Maps helps eliminate guesswork for your operators related to routes and the location of timber. And TimberManager provides complete visibility to your operation — from land harvested to the machines at work — so you can streamline communication and increase efficiency.

With John Deere Connected Support, dealer machine monitoring and remote diagnostics and programming capability can quickly identify and diagnose problems that may occur, while machine health alerts developed through analyzing data from the entire population of John Deere machines can help prevent problems altogether.

# Visualize more productivity with TIMBERMATIC MAPS AND TIMBERMANAGER

TimberMatic Maps and TimberManager are proven jobsitemapping tools designed for full-tree logging operations. TimberMatic Maps enables enhanced visibility, allowing operators to review production values as well as see and create points of interest that can be shared in real time with other onsite team members. Staff not on the jobsite can also access any of this data through TimberManager, to optimize tasks and increase efficiency.

# Simplified serviceability

Easy access to service components helps confirm daily checks and preventative maintenance get done on schedule, minimizing costly repairs down the road.

# Hydraulic reversing fan

Standard variable-speed reversing fan runs only as fast as the system requires. This conserves power and fuel while blocking debris. To keep the system clean, the fan also reverses on a timed cycle to reverse airflow and eject debris from the cooling cores. If conditions demand more frequent cleaning, the fan can be reversed by a simple push of a button.

### **Proven components**

800M- and 800MH-Series machines share many common components - including the engine, undercarriage, booms, and cab - with their 900M- and 900MH-Series counterparts, for ease of maintenance and repairs when needed.

# Remote diagnostics

When equipped with JDLink™, fast, accurate remote diagnostics and rapid service response with the right part the first time, industryleading parts availability, and dealer support are always within easy reach.





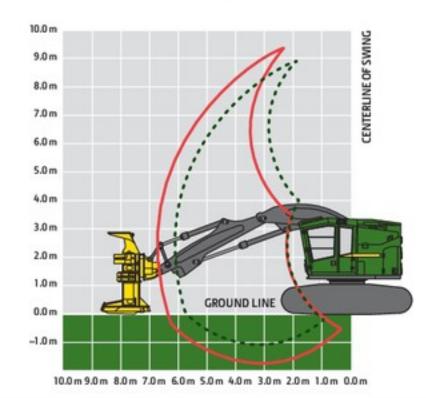
# 803M/853M/859M

Engine	803M/853M		859M with Standar	d Travel	859M with Dedicat	ed Travel
Manufacturer and Model	John Deere PowerTech	™ PSS 9.0L	John Deere PowerTe	ch PSS 9.0L	John Deere PowerTe	ech PSS 9.0L
Non-Road Emission Standard	EPA Final Tier 4/EU St	age V	EPA Final Tier 4/EU	Stage V	EPA Final Tier 4/EU	Stage V
Cylinders	6		6		6	
Displacement	9.0 L (549 cu. in.)		9.0 L (549 cu. in.)		9.0 L (549 cu. in.)	
Peak Power at 1,900 rpm	224 kW (300 hp)		224 kW (300 hp)		246 kW (330 hp)	
Rated Power at 2,000 rpm	213 kW (286 hp)		213 kW (286 hp)		230 kW (308 hp)	
Net Peak Torque at 1,500 rpm	1270 Nm (937 lbft.)		1270 Nm (937 lbft.)		1392 Nm (1,027 lbf	t.)
Cooling	803M/853M/859M					
Fan Type	Suction type, hydraulic	cally driven, variab	le speed, reversing			
Hydraulics	tare const					
Closed center, load sense, pressure compe	ensated					
Standard Travel System						
Main Pump	Variable-displacement	axial piston				
Maximum Rated Flow	494 L/min. (131 gpm)					
Continuous Saw Pump	Dedicated variable-dis	placement axial pi	ston			
Maximum Rated Flow	135 L/min. (36 gpm)					
Attachment Pump	Dedicated variable-dis	placement axial pi	ston			
Maximum Rated Flow	135 L/min. (36 gpm)					
Dedicated Travel System						
Main Pump	Variable-displacement	axial piston				
Maximum Rated Flow	494 L/min. (131 gpm)					
Travel Pump	Dedicated variable-dis	placement axial pi	ston			
Maximum Rated Flow (x2)	190 L/min. (50 gpm)	piacement axiai pi	2011			
Continuous Saw Pump	Dedicated variable-dis	nlacement avial ni	ston			
Maximum Rated Flow	135 L/min. (36 gpm)	piacement axiar pi	30011			
Attachment Pump	Dedicated variable-dis	nlacement avial ni	ston			
Maximum Rated Flow	135 L/min. (36 gpm)	piacement axiai pi	30011			
Oil Filtration	2 main return filters, 10	n-micron return w	th hypass one case d	rain strainer 25 micr	'OD	
Electrical	2 mairreturi filters, it	5-IIIICIOII TELUITI W	til bypass, one case u	rain strainer, 25 mici	OII	
Voltage	24 volt					
Number of Batteries	2 x 12 volt					
Alternator Rating	200 amp					
AILCITIATO NATITIQ	200 01110					
Work Lights	ue Aservio Isto	ot)				
Work Lights Standard	Halogen (9 flood, 3 sp					
Work Lights Standard Optional	Halogen (9 flood, 3 spot); h					
Work Lights Standard Optional Service Lights	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2)		853M		859M	
Work Lights Standard Optional Service Lights Undercarriage	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2) 803M	nalogen (4 flood)	853M		859M	
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp ar	nalogen (4 flood) ngles, hydraulic tra	ck adjustment			
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2) <b>803M</b> -resistant material, ramp ar U6 Extreme Duty (EXD	nalogen (4 flood) ngles, hydraulic tra	ck adjustment U7 EXD		U7L EXD	
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp ar U6 Extreme Duty (EXD 203.2 mm (8 in.)	nalogen (4 flood) ngles, hydraulic tra	ck adjustment U7 EXD 215.9 mm (8.5 in.)		U7L EXD 215.9 mm (8.5 in.)	
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side)	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp ar U6 Extreme Duty (EXD 203.2 mm (8 in.)	nalogen (4 flood) ngles, hydraulic tra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47		U7L EXD 215.9 mm (8.5 in.) 47	
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side)	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp ar U6 Extreme Duty (EXD 203.2 mm (8 in.) 47	nalogen (4 flood) ngles, hydraulic tra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9		U7L EXD 215.9 mm (8.5 in.) 47 10	
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side)	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2)  803M -resistant material, ramp ar U6 Extreme Duty (EXD 203.2 mm (8 in.)  47 9 2	nalogen (4 flood) ngles, hydraulic tra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9	Dodiented Tressel	U7L EXD 215.9 mm (8.5 in.) 47 10 2	Dadiestad Travel
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2)  803M -resistant material, ramp ar U6 Extreme Duty (EXD 203.2 mm (8 in.)  47 9 2	nalogen (4 flood) ngles, hydraulic tra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9	Dedicated Travel	U7L EXD 215.9 mm (8.5 in.) 47 10	Dedicated Travel
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2)  803M  -resistant material, ramp an U6 Extreme Duty (EXD 203.2 mm (8 in.)  47 9 2 Standard Travel	nalogen (4 flood) ngles, hydraulic tra ngles (4 flood)	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel		U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel	
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High	Halogen (9 flood, 3 spot); h LED (5 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp ar U6 Extreme Duty (EXD 203.2 mm (8 in.) 47 9 2 Standard Travel 4.6 km/h (2.9 mph)	nalogen (4 flood) ngles, hydraulic tra Dedicated Travel 1.8 km/h (3.0 mph)	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel 4.3 km/h (2.6 mph)	4.1 km/h (2.6 mph)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph)	3.7 km/h (2.3 mph)
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low	Halogen (9 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp ar U6 Extreme Duty (EXD 203.2 mm (8 in.) 47 9 2 Standard Travel 4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 2	nalogen (4 flood)  ngles, hydraulic tra  Dedicated Travel  1.8 km/h (3.0 mph)  2.7 km/h (1.7 mph)	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel 4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph)	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph)	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph)
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion-Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort	Halogen (9 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp ar U6 Extreme Duty (EXD 203.2 mm (8 in.) 47 9 2 Standard Travel 4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 2	nalogen (4 flood) ngles, hydraulic tra Dedicated Travel 1.8 km/h (3.0 mph)	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel 4.3 km/h (2.6 mph)	4.1 km/h (2.6 mph)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph)	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph)
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort Rotating Upper	Halogen (9 flood, 3 spot); h Halogen (2)  803M  -resistant material, ramp an U6 Extreme Duty (EXD 203.2 mm (8 in.)  47 9 2 Standard Travel  4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 245 kN (55,078 lbf) 2	nalogen (4 flood) ngles, hydraulic tra Dedicated Travel 1.8 km/h (3.0 mph) 1.7 km/h (1.7 mph) 1.45 kN (55,040 lbf)	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel 4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph) 373 kN (83,854 lbf)	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph)
Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort Rotating Upper Swing System	Halogen (9 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp an U6 Extreme Duty (EXD 203.2 mm (8 in.) 47 9 2 Standard Travel 4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 245 kN (55,078 lbf) 2 Standard  Standard	nalogen (4 flood) ngles, hydraulic tra ngles, hydra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel 4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph) 373 kN (83,854 lbf) Standard	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph)
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort Rotating Upper Swing System Swing Speed (maximum)	Halogen (9 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp an U6 Extreme Duty (EXE 203.2 mm (8 in.) 47 9 2 Standard Travel 4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 2.45 kN (55,078 lbf) 2 Standard 7.7 rpm 6	nalogen (4 flood) ngles, hydraulic tra ngles, hydra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel  4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)  Standard 6.8 rpm	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph) 373 kN (83,854 lbf) Standard 6.8 rpm	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph) 384 kN (86,327 lbf
Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort Rotating Upper Swing System	Halogen (9 flood, 3 spot); h Halogen (2) 803M -resistant material, ramp ar U6 Extreme Duty (EXD 203.2 mm (8 in.) 47 9 2 Standard Travel 4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 245 kN (55,078 lbf)  Standard 7.7 rpm 6 55 090 Nm	nalogen (4 flood) ngles, hydraulic tra ngles, hydra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel 4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph) 373 kN (83,854 lbf) Standard	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph) 384 kN (86,327 lbf
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort Rotating Upper Swing System Swing Speed (maximum) Swing Torque	Halogen (9 flood, 3 spot); h Halogen (2)  803M  -resistant material, ramp an U6 Extreme Duty (EXE 203.2 mm (8 in.)  47 9 2 Standard Travel  4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 2.45 kN (55,078 lbf)  Standard  7.7 rpm 55 090 Nm (40,630 lbft.)	nalogen (4 flood) ngles, hydraulic tra ngles, hydra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel  4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)  Standard 6.8 rpm 94 740 Nm (69,880	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph) 373 kN (83,854 lbf) Standard 6.8 rpm	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph) 384 kN (86,327 lbf
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort Rotating Upper Swing System Swing Speed (maximum) Swing Torque Swing Brake	Halogen (9 flood, 3 spot); h Halogen (2)  803M  -resistant material, ramp an U6 Extreme Duty (EXD 203.2 mm (8 in.) 47 9 2 Standard Travel  4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 2.45 kN (55,078 lbf)  Standard  7.7 rpm 55 090 Nm (40,630 lbft.) Sealed wet multi-disc, n	nalogen (4 flood) ngles, hydraulic tra ngles, hydra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel  4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)  Standard 6.8 rpm 94 740 Nm (69,880	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph) 373 kN (83,854 lbf) Standard 6.8 rpm	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph) 384 kN (86,327 lbf
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort Rotating Upper Swing System Swing Speed (maximum) Swing Torque	Halogen (9 flood, 3 spot); h Halogen (2)  803M  -resistant material, ramp an U6 Extreme Duty (EXE 203.2 mm (8 in.)  47 9 2 Standard Travel  4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 2.45 kN (55,078 lbf)  Standard  7.7 rpm 55 090 Nm (40,630 lbft.)	nalogen (4 flood) ngles, hydraulic tra ngles, hydra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel  4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)  Standard 6.8 rpm 94 740 Nm (69,880	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph) 373 kN (83,854 lbf) Standard 6.8 rpm	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph) 384 kN (86,327 lbf
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort Rotating Upper Swing System Swing Speed (maximum) Swing Torque Swing Brake	Halogen (9 flood, 3 spot); h Halogen (2)  803M  -resistant material, ramp an U6 Extreme Duty (EXD 203.2 mm (8 in.) 47 9 2 Standard Travel  4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 2.45 kN (55,078 lbf)  Standard  7.7 rpm 55 090 Nm (40,630 lbft.) Sealed wet multi-disc, n	nalogen (4 flood) ngles, hydraulic tra ngles, hydra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel  4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)  Standard 6.8 rpm 94 740 Nm (69,880	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph) 373 kN (83,854 lbf) Standard 6.8 rpm	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph) 384 kN (86,327 lbf)
Work Lights Standard Optional Service Lights Undercarriage Integral track guides, thick high-abrasion Size Track Chain Number of Track Links (per side) Lower Rollers (per side) Carrier Slides/Rollers (per side) Travel Performance Travel Speed, Forward and Reverse High Low Tractive Effort Rotating Upper Swing System Swing Speed (maximum) Swing Torque  Swing Brake Serviceability	Halogen (9 flood, 3 spot); h Halogen (2)  803M  -resistant material, ramp an U6 Extreme Duty (EXD 203.2 mm (8 in.) 47 9 2 Standard Travel  4.6 km/h (2.9 mph) 2.8 km/h (1.7 mph) 2.45 kN (55,078 lbf)  Standard  7.7 rpm 55 090 Nm (40,630 lbft.) Sealed wet multi-disc, n	nalogen (4 flood) ngles, hydraulic tra ngles, hydra	ck adjustment U7 EXD 215.9 mm (8.5 in.) 47 9 2 Standard Travel  4.3 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)  Standard 6.8 rpm 94 740 Nm (69,880	4.1 km/h (2.6 mph) 2.0 km/h (1.2 mph) 322 kN (72,389 lbf)	U7L EXD 215.9 mm (8.5 in.) 47 10 2 Standard Travel 3.7 km/h (2.3 mph) 1.6 km/h (1.0 mph) 373 kN (83,854 lbf) Standard 6.8 rpm	3.7 km/h (2.3 mph) 1.7 km/h (1.0 mph) 384 kN (86,327 lbf)

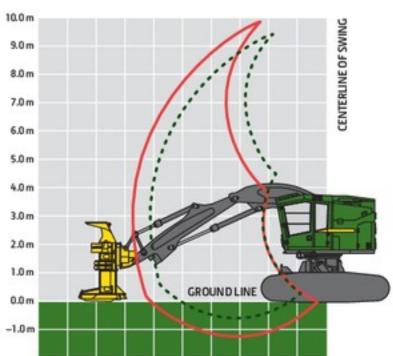


Ground Pressure (SAE J1309)	803M	853M	859M
Includes standard equipment, 6.71-m boom	, half-full fuel tank, and all fluids, less attac	hment	
Undercarriage	U6 EXD	U7 EXD	U7L EXD
Counterweight	Standard	Medium	Standard
Boom	Standard with Rapid Cycle System (RCS)	Power with RCS	Power with RCS
Double Grouser	, , ,		
610 mm (24 in.)	59.8 kPa (8.7 psi)	60.6 kPa (8.8 psi)	69.4 kPa (10.1 psi)
762 mm (30 in.)	51.9 kPa (7.5 psi)	50.8 kPa (7.4 psi)	N/A
Single Grouser	•	•	
610 mm (24 in.)	59.4 kPa (8.6 psi)	60.4 kPa (8.8 psi)	69.3 kPa (10.1 psi)
711 mm (28 in.)	51.5 kPa (7.5 psi)	52.5 kPa (7.6 psi)	60.1 kPa (8.7 psi)
Triple Grouser (soft terrain only)	•	•	•
914 mm (36 in.)	41.5 kPa (6.0 psi)	43.2 kPa (6.3 psi)	N/A
Operating Weight	and the second second		
	, 610-mm (24 in.) single-grouser tracks, hal	f-full fuel tank, and all fluids, less attach	ment
Undercarriage	U6 EXD	U7 EXD	U7L EXD
Counterweight	Standard	Medium	Standard
Boom	Standard with RCS	Power with RCS	Power with RCS
Approximate Weight — Base Machine	29 030 kg (64,010 lb.)	31 600 kg (69,680 lb.)	36 060 kg (79,510 lb.)
Boom Performance			
6.71-m Boom			
Maximum Reach (to tip of saw blade)	8.49 m (27 ft. 10 in.)	8.49 m (27 ft. 10 in.)	8.49 m (27 ft. 10 in.)
Minimum Reach (to tip of saw blade)	3.83 m (12 ft. 7 in.)	3.83 m (12 ft. 7 in.)	3.83 m (12 ft. 7 in.)
Cutting Swath	4.66 m (15 ft. 3 in.)	4.66 m (15 ft. 3 in.)	4.66 m (15 ft. 3 in.)
Lift Option with RCS	Standard	Power	Power
Lift Capacity, Bare Pin at Full Reach	4400 kg (9,700 lb.)	5540 kg (12,220 lb.)	5540 kg (12,220 lb.)
Lift Capacity, Bare Pin at 6.1 m (20 ft.)	5520 kg (12,170 lb.)	6860 kg (15,130 lb.)	6860 kg (15,130 lb.)
Lift Capacity, Bare Pin at 4.6 m (15 ft.)	7990 kg (17,620 lb.)	9770 kg (21,540 lb.)	9770 kg (21,540 lb.)
6.1-m Boom	<b>*</b>		•
Maximum Reach (to tip of saw blade)	7.88 m (25 ft. 10 in.)	7.88 m (25 ft. 10 in.)	7.88 m (25 ft. 10 in.)
Minimum Reach (to tip of saw blade)	3.92 m (12 ft. 10 in.)	3.92 m (12 ft. 10 in.)	3.92 m (12 ft. 10 in.)
Cutting Swath	3.96 m (13 ft. 0 in.)	3.96 m (13 ft. 0 in.)	3.96 m (13 ft. 0 in.)
Lift Option with RCS	Standard	Power	Power
Lift Capacity, Bare Pin at 6.1 m (20 ft.) at Full Reach	4830 kg (10,650 lb.)	6670 kg (14,710 lb.)	6670 kg (14,710 lb.)
Lift Capacity, Bare Pin at 4.6 m (15 ft.)	7840 kg (17,290 lb.)	10 510 kg (23,170 lb.)	10 510 kg (23,170 lb.)

#### 803M and 853M Tracked Feller Bunchers



#### 859M Tracked Feller Buncher



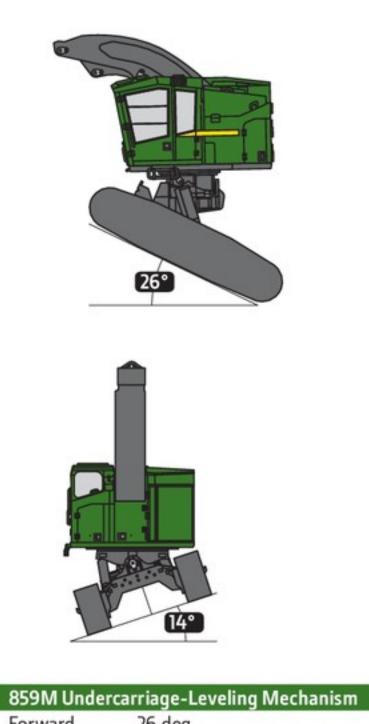
	_	_	_	_	_		_		_	
10.0 m	9.0 m	8.0 m	7.0 m	6.0 m	5.0 m	4.0 m	3.0 m	2.0 m	1.0 m	0.0 m

Attachment Information							
Attachment	FS20	FR21B	FS22B	FR22B	FR24B	FS50	FR50
Models	803M	803M, 853M, 859M	803M, 853M, 859M	803M,* 853M, 859M	853M,* 859M*	803M, 853M, 859M	803M,* 853M, 859M
Maximum Cutting Capacity	559 mm (22.0 in.)	545 mm (21.5 in.)	559 mm (22.0 in.)	559 mm (22.0 in.)	622 mm (24.5 in.)	508 mm (20.0 in.)	508 mm (20.0 in.)
Maximum Accumulation Capacity	0.43 m <sup>2</sup> (4.6 sq. ft.)	0.46 m <sup>2</sup> (5.0 sq. ft.)	0.48 m <sup>2</sup> (5.2 sq. ft.)	0.48 m² (5.2 sq. ft.)	0.60 m <sup>2</sup> (6.5 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	983 mm (38.7 in.)	1180 mm (46.5 in.)	1280 mm (50.4 in.)	1280 mm (50.4 in.)	1372 mm (54.0 in.)	870 mm (34.0 in.)	870 mm (34.0 in.)
Blade Diameter	1422 mm (56.0 in.)	1372 mm (54.0 in.)	1422 mm (56.0 in.)	1422 mm (56.0 in.)	1549 mm (61.0 in.)	1346 mm (53.0 in.)	1346 mm (53.0 in.)
Number of Teeth	18	18	18	18	20	18	18
Saw rpm	1,150 rpm	1,150 rpm	1,150 rpm	1,150 rpm	1,150 rpm	1,250 rpm	1,250 rpm
Wrist Rotation	30 deg.	302 deg.	30 deg.	312 deg.	310 deg.	30 deg.	310 deg.
Width at Saw Housing	1600 mm (63.0 in.)	1550 mm (61.0 in.)	1620 mm (63.8 in.)	1620 mm (63.8 in.)	1737 mm (68.4 in.)	1660 mm (65.0 in.)	1660 mm (65.0 in.)
Height	2794 mm (110.0 in.)	2820 mm (111.0 in.)	3068 mm (120.8 in.)	3068 mm (120.8 in.)	3068 mm (120.8 in.)	2850 mm (112.0 in.)	2850 mm (112.0 in.)
Weight (including adapter and wrist)	2650 kg (5,840 lb.)	3140 kg (6,920 lb.)	3550 kg (7,830 lb.)	3840 kg (8,470 lb.)	4020 kg (8,860 lb.)	3370 kg (7,430 lb.)	3660 kg (8,070 lb.)
*With 6.1-m boom only.							

# 803M/853M/859M

M	achine Dimensions	803M	853M	859M
St	andard Undercarriage	U6 EXD	U7 EXD	U7L EXD
A	Overall Height with Standard 6.71-m Boom			
	Top of Cab with Flat Skylight	3.43 m (11 ft. 3 in.)	3.46 m (11 ft. 4 in.)	3.92 m (12 ft. 10 in.)
	Top of Cab with Peaked Skylight	3.65 m (12 ft. 0 in.)	3.68 m (12 ft. 1 in.)	4.13 m (13 ft. 7 in.)
	Top of Boom, Extended, Attachment Vertical	3.89 m (12 ft. 9 in.)	3.93 m (12 ft. 11 in.)	4.15 m (13 ft. 7 in.)
В	Overall Track Length	4.61 m (15 ft. 1 in.)	4.90 m (16 ft. 1 in.)	4.90 m (16 ft. 1 in.)
C	Track Length (idler to sprocket center)	3.57 m (11 ft. 9 in.)	3.83 m (12 ft. 7 in.)	3.83 m (12 ft. 7 in.)
D	Tail Swing (from swing center)			
	Small and Medium Counterweight	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)
	Medium Extended and Large Extended Counterweight	2.25 m (7 ft. 4 in.)	2.25 m (7 ft. 4 in.)	2.25 m (7 ft. 4 in.)
E	Boom Reach (to attachment pin)			
	Standard 6.71-m Boom			
	Maximum	6.71 m (22 ft. 0 in.)	6.71 m (22 ft. 0 in.)	6.71 m (22 ft. 0 in.)
	Minimum	2.05 m (6 ft. 9 in.)	2.05 m (6 ft. 9 in.)	2.05 m (6 ft. 9 in.)
	Cutting Swath	4.66 m (15 ft. 3 in.)	4.66 m (15 ft. 3 in.)	4.66 m (15 ft. 3 in.)
	Optional 6.10-m Boom			
	Maximum	6.10 m (20 ft. 0 in.)	6.10 m (20 ft. 0 in.)	6.10 m (20 ft. 0 in.)
	Minimum	2.14 m (7 ft. 0 in.)	2.14 m (7 ft. 0 in.)	2.14 m (7 ft. 0 in.)
	Cutting Swath	3.96 m (13 ft. 0 in.)	3.96 m (13 ft. 0 in.)	3.96 m (13 ft. 0 in.)
F	Ground Clearance			
	Single Grouser	744 mm (29 in.)	779 mm (31 in.)	746 mm (29 in.)
	Double Grouser	715 mm (28 in.)	756 mm (30 in.)	722 mm (28 in.)
	Triple Grouser	700 mm (28 in.)	738 mm (29 in.)	N/A
G	Upperstructure Width			
	Standard	3.15 m (10 ft. 4 in.)	3.15 m (10 ft. 4 in.)	3.15 m (10 ft. 4 in.)
	With Optional Walkway	3.36 m (11 ft. 0 in.)	3.36 m (11 ft. 0 in.)	3.36 m (11 ft. 0 in.)
Н	Track Gauge	2.67 m (8 ft. 9 in.)	2.69 m (8 ft. 10 in.)	2.72 m (8 ft. 11 in.)
1	Width Over Tracks			
	610-mm (24 in.) Track Shoes	3.28 m (10 ft. 9 in.)	3.30 m (10 ft. 10 in.)	3.33 m (10 ft. 11 in.)
	711-mm (28 in.) Track Shoes	3.38 m (11 ft. 1 in.)	3.40 m (11 ft. 2 in.)	3.43 m (11 ft. 3 in.)
	760-mm (30 in.) Track Shoes	3.43 m (11 ft. 3 in.)	3.45 m (11 ft. 4 in.)	N/A
	914-mm (36 in.) Track Shoes	3.58 m (11 ft. 9 in.)	3.61 m (11 ft. 10 in.)	N/A

#### 859M Leveling



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

# 803M/853M Tracked Feller Bunchers 859M Tracked Feller Buncher

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 $Machine \ not \ exactly \ as \ shown. \ Illustrations \ for \ dimensioning \ purposes \ only. \ Specifications \ are \ subject \ to \ change \ without \ notice.$ 

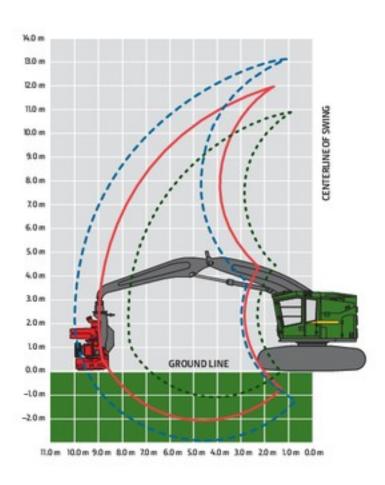


Engine	803MH/853MH		859MH with Standa	ard Travel	859MH with Dedica	ated Travel	
Manufacturer and Model	John Deere PowerTe	John Deere PowerTech™ PSS 9.0L John Deere Power			OL John Deere PowerTech PSS 9.01		
Non-Road Emission Standard	EPA Final Tier 4/EU	Stage V	EPA Final Tier 4/EU	Stage V	EPA Final Tier 4/EU Stage V		
Cylinders	6	•	6	•	6		
Displacement	9.0 L (549 cu. in.)		9.0 L (549 cu. in.)		9.0 L (549 cu. in.)		
Peak Power at 1,900 rpm	224 kW (300 hp)		224 kW (300 hp)		246 kW (330 hp)		
Rated Power at 2,000 rpm	213 kW (286 hp)		213 kW (286 hp)		230 kW (308 hp)		
Net Peak Torque at 1,500 rpm	1270 Nm (937 lbft.)		1270 Nm (937 lbft.)	)	1392 Nm (1,027 lbft	t.)	
Cooling	803MH/853MH/85						
Fan Type	Suction type, hydrau	ulically driven, variab	le speed, reversing				
Hydraulics							
Closed center, load sense, pressure compe	ensated						
Standard Travel System							
Main Pump	Variable-displaceme	ent axial piston					
Maximum Rated Flow	494 L/min. (131 gpm)	•					
Attachment Pump	Dedicated variable-o		iston				
Maximum Rated Flow (x2)	209 L/min. (55 gpm)						
Dedicated Travel System							
Main Pump	Variable-displaceme	nt axial piston					
Maximum Rated Flow	494 L/min. (131 gpm)						
Travel Pump	Dedicated variable-o		iston				
Maximum Rated Flow (x2)	190 L/min. (50 gpm)		130011				
Attachment Pump	Dedicated variable-o		iston				
Maximum Rated Flow (x2)	181 L/min. (48 gpm)		131011				
Oil Filtration			ith bypass, one case d	rain strainer 25 mic	ron		
Electrical	Z Illalii Tetarri Tilters	, 10-IIIICI OII TETUITI W	ntii bypass, one case o	irain strainer, 25 mic	IOII :		
Voltage	24 volt						
Number of Batteries	2 x 12 volt						
Alternator Rating	200 amp						
Work Lights	200 amp						
Standard	Halogen (9 flood, 3	enot)					
Optional	LED (5 flood, 3 spot)	NAME OF TAXABLE PARTY O					
Service Lights	Halogen (2)	, nalogen (4 nood)					
Undercarriage	803MH		853MH		859MH		
Integral track guides, thick high-abrasion	100000000000	angles bydraulic tra	The second second second		OJJIVITI		
Size		00/2007/00/2009	U7 EXD		U7L EXD		
	U6 Extreme Duty (E)	VD)					
Track Chain	203.2 mm (8 in.)		215.9 mm (8.5 in.)		215.9 mm (8.5 in.)		
Number of Track Links (per side)	47		47		47		
Lower Rollers (per side)	9		9		10		
Carrier Slides/Rollers (per side)	Chandond Travel	Dadiastad Turnel	Ctandard Travel	Dadinated Tours	2 Standard Travel	Dadiested Toward	
Travel Speed, Forward and Boyers	Standard Travel	Dedicated Travel	Standard Travel	Dedicated Travel	Standard Travel	Dedicated Travel	
Travel Speed, Forward and Reverse	/. 6 lon/h (2 0 mmh)	/, 0 long/h /2 0 mmh)	/, 2 l /h /2 6 h)	(.11m/h/26 mmh)	26 km/h /2 2 mmh)	27 lm /h /2 2 mnh	
High	4.6 km/h (2.9 mph)	4.8 km/h (3.0 mph)	4.3 km/h (2.6 mph)	4.1 km/h (2.6 mph)	3.6 km/h (2.2 mph)	3.7 km/h (2.3 mph	
Low	2.8 km/h (1.7 mph)	2.7 km/h (1.7 mph)	2.0 km/h (1.2 mph)	2.0 km/h (1.2 mph)	1.7 km/h (1.0 mph)	1.7 km/h (1.0 mph)	
Tractive Effort	245 kN (55,078 lbf)	245 kN (55,040 lbf)	322 kN (72,389 lbf)	322 kN (72,389 lbf)	373 kN (83,876 lbf)	384 kN (86,327 lbf	
Rotating Upper	803MH/853MH/85	חואוכ					
Swing System, Standard	6.0						
Swing Speed (maximum)	6.8 rpm	u					
Swing Torque	94 740 Nm (69,880		/ I - I				
Swing Broke	Sealed wet multi-dis	sc, manually applied/	released				
Swing Brake							
Serviceability							
Serviceability Refill Capacities	070 - 177 - 11						
Serviceability	870 L (230 gal.) 30.7 L (8.1 gal.)						

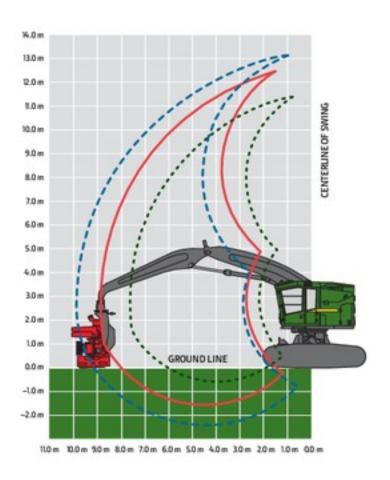
# 803MH/853MH/859MH

Ground Pressure (SAE J1309)	803MH	853MH	859МН
Includes standard equipment, half-full fuel tank, and all fluids, l	ess attachment		
Undercarriage	U6 EXD	U7 EXD	U7L EXD
Counterweight	Standard	Medium	Standard
Boom	8.84 m	7.75 m	7.75 m with RCS
Double Grouser			
610 mm (24 in.)	58.1 kPa (8.4 psi)	58.2 kPa (8.4 psi)	67.0 kPa (9.7 psi)
762 mm (30 in.)	50.5 kPa (7.3 psi)	48.9 kPa (7.1 psi)	N/A
Single Grouser	•	•	
610 mm (24 in.)	57.7 kPa (8.4 psi)	58.0 kPa (8.4 psi)	66.8 kPa (9.7 psi)
711 mm (28 in.)	50.1 kPa (7.3 psi)	50.5 kPa (7.3 psi)	58.0 kPa (8.4 psi)
Triple Grouser (soft terrain only)	•	•	-
914 mm (36 in.)	40.4 kPa (5.9 psi)	41.6 kPa (6.0 psi)	N/A
Operating Weight			
Includes standard equipment, 610-mm (24 in.) single-grouser tr	racks, half-full fuel tank, and all	fluids, less attachment	
Undercarriage	U6 EXD	U7 EXD	U7L EXD
Counterweight	Standard	Medium	Standard
Boom	8.84 m	7.75 m	7.75 m with RCS
Approximate Weight — Base Machine	28 230 kg (62,250 lb.)	30 320 kg (66,860 lb.)	34 800 kg (76,730 lb.)
Boom Performance*			
9.91-m Boom			
Lift Option with RCS			
Lift Capacity, Bare Pin at 9.91 m (32 ft. 6 in.) at Full Reach	3500 kg (7,718 lb.)	3500 kg (7,718 lb.)	3500 kg (7,718 lb.)
Lift Capacity, Bare Pin at 6.1 m (20 ft.)	8130 kg (17,927 lb.)	8130 kg (17,927 lb.)	8130 kg (17,927 lb.)
8.84-m Boom	27/2	- 7	
Lift Option with RCS			
Lift Capacity, Bare Pin at Full Reach	4190 kg (9,240 lb.)	4190 kg (9,240 lb.)	4190 kg (9,240 lb.)
Lift Capacity, Bare Pin at 7.62 m (25 ft.)	5850 kg (12,900 lb.)	5850 kg (12,900 lb.)	5850 kg (12,900 lb.)
Lift Capacity, Bare Pin at 6.1 m (20 ft.)	7700 kg (16,980 lb.)	7700 kg (16,980 lb.)	7700 kg (16,980 lb.)
7.75-m Boom			
Lift Option with RCS			
	(	FF20 I (12 170 IL )	EEOO ka (10 170 lb )
Lift Capacity, Bare Pin at 7.62 m (25 ft.) at Full Reach	5520 kg (12,170 lb.)	5520 kg (12,170 lb.)	5520 kg (12,170 lb.)

#### 803MH and 853MH Tracked Harvesters



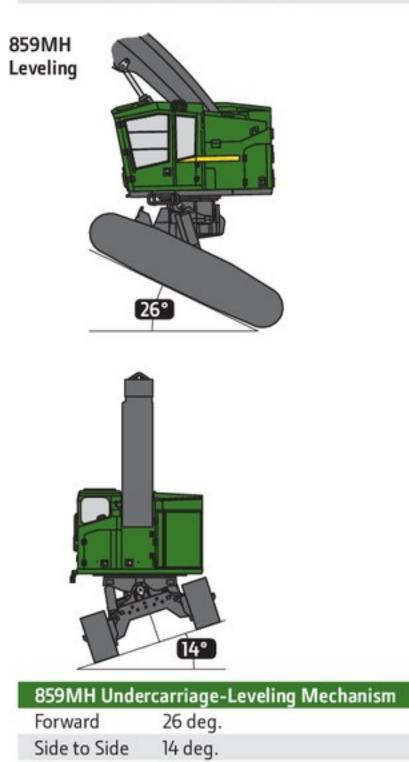
#### 859MH Tracked Harvester



Attachment	HTH616C	HTH622B	HTH623C	HTH624C
Models	803MH, 853MH, 859MH	803MH, 853MH, 859MH	803MH, 853MH, 859MH	853MH,* 859MH*
Maximum Cutting Capacity	550 mm (21.7 in.)	750 mm (29.5 in.)	750 mm (29.5 in.)	810 mm (31.9 in.)
Maximum Delimbing Capacity	510 mm (20.1 in.)	640 mm (25.2 in.)	700 mm (27.6 in.)	760 mm (29.9 in.)
Feeding Mechanism	3 rollers, fully synchronized	hydraulic drive	3 rollers, fully synchronized	hydraulic drive
Dimensions				
Maximum Width (arms open)	1600 mm (63.0 in.)	1700 mm (66.9 in.)	2000 mm (78.7 in.)	2000 mm (78.7 in.)
Height (including rotator)	2350 mm (92.5 in.)	2700 mm (106.3 in.)	3000 mm (118.1 in.)	3000 mm (118.1 in.)
Weight (rotator and standard link)	1870 kg (4,120 lb.)	2190 kg (4,830 lb.)	2870 kg (6,330 lb.)	3460 kg (7,630 lb.)
*With 7.75-m boom only.		-		
Weight (rotator and standard link) *With 7.75-m boom only.	1870 kg (4,120 lb.)	2190 kg (4,830 lb.)	2870 kg (6,330 lb.)	3460 kg (7,6

# 803MH/853MH/859MH

Machine Dimensions	803MH	853MH	859MH
Standard Undercarriage	U6 EXD	U7 EXD	U7L EXD
A Overall Height with 8.84-m Boom			
Top of Cab with Flat Skylight	3.43 m (11 ft. 3 in.)	3.46 m (11 ft. 4 in.)	3.92 m (12 ft. 10 in.)
Top of Cab with Peaked Skylight	3.65 m (12 ft. 0 in.)	3.68 m (12 ft. 1 in.)	4.13 m (13 ft. 7 in.)
Top of Boom, Extended, Attachment Vertical	4.45 m (14 ft. 7 in.)	4.45 m (14 ft. 7 in.)	4.70 m (15 ft. 5 in.)
3 Overall Track Length	4.61 m (15 ft. 1 in.)	4.90 m (16 ft. 1 in.)	4.90 m (16 ft. 1 in.)
Track Length (idler to sprocket center)	3.57 m (11 ft. 9 in.)	3.83 m (12 ft. 7 in.)	3.83 m (12 ft. 7 in.)
Tail Swing (from swing center)			
Small and Medium Counterweight	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)	1.94 m (6 ft. 4 in.)
Medium Extended Counterweight	2.25 m (7 ft. 4 in.)	2.25 m (7 ft. 4 in.)	2.25 m (7 ft. 4 in.)
Boom Reach (to attachment pin)			
Optional 9.91-m Boom			
Maximum	9.91 m (32 ft. 6 in.)	9.91 m (32 ft. 6 in.)	9.91 m (32 ft. 6 in.)
Minimum	3.45 m (11 ft. 4 in.)	3.45 m (11 ft. 4 in.)	3.45 m (11 ft. 4 in.)
Cutting Swath	6.46 m (21 ft. 2in.)	6.46 m (21 ft. 2in.)	6.46 m (21 ft. 2in.)
Standard 8.84-m Boom			
Maximum	8.84 m (29 ft. 0 in.)	8.84 m (29 ft. 0 in.)	8.84 m (29 ft. 0 in.)
Minimum	2.71 m (8 ft. 11 in.)	2.71 m (8 ft. 11 in.)	2.71 m (8 ft. 11 in.)
Cutting Swath	6.13 m (20 ft. 1 in.)	6.13 m (20 ft. 1 in.)	6.13 m (20 ft. 1 in.)
Optional 7.75-m Boom			
Maximum	7.75 m (25 ft. 5 in.)	7.75 m (25 ft. 5 in.)	7.75 m (25 ft. 5 in.)
Minimum	2.31 m (7 ft. 7 in.)	2.31 m (7 ft. 7 in.)	2.31 m (7 ft. 7 in.)
Cutting Swath	5.44 m (17 ft. 10 in.)	5.44 m (17 ft. 10 in.)	5.44 m (17 ft. 10 in.)
Ground Clearance			
Single Grouser	744 mm (29 in.)	779 mm (31 in.)	748 mm (29 in.)
Double Grouser	715 mm (28 in.)	756 mm (30 in.)	725 mm (29 in.)
Triple Grouser	700 mm (28 in.)	738 mm (29 in.)	N/A
G Upperstructure Width			
Standard	3.15 m (10 ft. 4 in.)	3.15 m (10 ft. 4 in.)	3.15 m (10 ft. 4 in.)
With Optional Walkway	3.36 m (11 ft. 0 in.)	3.36 m (11 ft. 0 in.)	3.36 m (11 ft. 0 in.)
H Track Gauge	2.67 m (8 ft. 9 in.)	2.69 m (8 ft. 10 in.)	2.72 m (8 ft. 11 in.)
Width Over Tracks			
610-mm (24 in.) Track Shoes	3.28 m (10 ft. 9 in.)	3.30 m (10 ft. 10 in.)	3.33 m (10 ft. 11 in.)
711-mm (28 in.) Track Shoes	3.38 m (11 ft. 1 in.)	3.40 m (11 ft. 2 in.)	3.43 m (11 ft. 3 in.)
760-mm (30 in.) Track Shoes	3.43 m (11 ft. 3 in.)	3.45 m (11 ft. 4 in.)	N/A
914-mm (36 in.) Track Shoes	3.58 m (11 ft. 9 in.)	3.61 m (11 ft. 10 in.)	N/A



7 deg.

Rearward

