### BID SUBMITTAL FORM *Alabama County Joint Bidding Program* Heavy Equipment – Bid Item: Medium Duty AWD Motor grader

Company Name: Warrior Tractor & Equipment Company, Inc. Address: 6801 McFarland Blvd Northport, AL 35476 Bid Submitted by: David Schafer (Name of company representative) e-mail address: dschafer@warriortractor.com Title: Sales Manager Fax: 205-333-0101 Phone: 205-339-0300 By submitting this bid, we agree: Initials The equipment model number identified below meets the bid specs for this bid item That the bid price will be honored for all counties for the period from Jan. 1, 2024 to Dec. 31, 2024. The equipment will be delivered at the bid price to all counties participating in the joint bid program. The company acknowledges the freight preparation and delivery price is to be included in the total bid price for the standard machine. The company representative listed above will be the contact person for purchasing this bid item under the joint bid program. ONS QAS VAS The bid is accompanied by a current catalog or model specification document for the model number identified below. The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications. The bid includes the e-verify documentation required by Alabama law. If awarded the bid, a performance bond will be provided upon request. The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine.

### MEDIUM DUTY MOTOR GRADER AWD

Total Bid Price for Standard Machine: \$\_404,108.00 (Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs)\*

Freight Preparation and Delivery: \$8,250.00 (Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 659,110.00

Equipment Model #: JD 672G

Description: MOTOR GRADER

Signature of company representative submitting bid:

ano

Title: Sales Manager

\* NOTE: Award will be made based on the total cost of the Standard Machine. The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

### **BID SUBMITTAL FORM: OPTION COST SHEET**

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine\*



The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the Standard Machine

Equipment Model #: JD 672G

Description: MOTOR GRADER

Signature of company representative submitting bid:

Title: Sales Manager

\*Note: The percent difference between the Manufacturer's Suggested Retail Price Sheet (MSRP) for the standard machine as specified by these Bid Specifications and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

### BID SPECIFICATIONS FOR MEDIUM DUTY AWD MOTOR GRADER

#### GENERAL

These specifications shall be construed as the minimum acceptable standards for a medium duty AWD motor grader. Should the manufacturer's current production data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturer's equipment. The motor grader must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacturer.

The use of specific names or numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size, and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

#### **BID SUBMITTAL FORM**

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

#### **BID PRICE**

The price bid shall include all destination charges, delivery charges, title fees, rebates and all other applicable costs and refunds.

#### MANUALS

Each unit shall be provided with one (1) copy of the operator's manual, one (1) copy of the repair manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

#### REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment bid. If replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the County to use at no cost to the County until such time as the parts are delivered to the County so it can affect repairs to its machine.

#### WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes<u>X</u>No \_\_\_\_ Page #\_\_\_\_ Attachment ATTACH

#### ENGINE

The engine shall be a four cycle, six cylinder turbocharger. Engine shall be in current production and the engine displacement shall not be less than **548 cu. in** and shall develop, as standard, a rated net power of at least **200 HP** in 1<sup>st</sup> gear (6WD on), **210 HP** in 2<sup>nd</sup> gear (6WD on), **225 HP** in 3<sup>rd</sup> gear (6WD on), **230 HP** in 4<sup>th</sup> gear (6WD on), **240 HP** in 5<sup>th</sup> gear (6WD on), **255 HP** in 7<sup>th</sup> gear (6WD on) and **255 HP** in 8<sup>th</sup> gear.

#### Engine must be designed and manufactured by the machine manufacture.

<b>STARTING SYSTEM</b> Shall be equipped with a <b>24-volt</b> electrical system with <b>130-amp</b> alternator.	YES_x Yes <u>No</u> Page # <u>19</u>
TRANSMISSION Shift on-the-go, full power shifting as well as inching capability and direct drive	Yes_ <u>X_</u> No Page # <u>18</u>
Eight speeds forward and Eight speeds reverse	Yes <u>X</u> No Page # <u>18</u>
Low effort inching pedal	Yes_X_No Page # <u>18</u>
Over speed protection to prevent engine and transmission damage from premature downshifting and grade-induced over-speeding.	Yes <u>X</u> No_ Page # <u>18</u>
Also must be equipped with transmission guard.	Yes <u>X</u> No Page # <u>31</u>

YesX\_No \_\_ Page # 18

#### FINAL DRIVE

The final

The final drive shall be a tandem type with power being transmitted from the transmission to the ground all four rear tandem wheels. Inboard-mounted planetary sealed in cooled, filtered oil. Yes X No

	Page # <u>18</u>
drive shall include a lock/unlock differential.	Yes <u>X</u> No Page # <u>18</u>

#### **CONTROLS AND HYDRAULICS**

Hydraulic system shall be load sensing closed center type with variable displacement piston pump.

Circle drive shall be protected against impact damage by an overload cushion valve or an accumulator blade lift.

#### **BLADES**

The moldboard shall be **14' x 24" x 7/8"** with hydraulic power tilt, hydraulic power side shift and replaceable end bits.

Moldboard blade range shall have minimum lift above ground of **19**" and Minimum right and left side vertical cutting angle of 90 degrees.

Shall also include reversible overlay end bits.

#### DRAWBAR AND CIRCLE

Drawbar shall be equipped with a slip clutch designed to protect the drawbar, circle and moldboard from horizontal shocks when the blade encounters hidden objects.

The circle shall be steel construction with 6 replaceable wear shoes

#### FRAME

The main frame shall be of an all welded box type construction. The frame must be capable of articulating **22 degree** left or right

The articulation joint shall be equipped with a locking device to prevent frame articulation while servicing or transporting the machine.

#### STEERING

The motor grader shall have a hydraulic steering system capable of providing stopped engine steering as required by SAE codes, J53 and J1511. A steering wheel must be provided.

#### TIRES

All six wheels shall be **10 in by 24 in** size multi-piece tire rims and shall provide mounting for **14.00 R24** tires.

Tires shall be Goodyear, Bridgestone/Firestone, or Michelin only, **14.00 x R24 12PR Bias Tires**.

Yes<u>x</u>No \_\_\_\_ Page #\_1 9

Yes<u>x</u>No\_\_\_\_ Page # 31 & ATTACH

Yes<u>X</u>No Page # 20 & ATTACH

Yes<u>X</u>No \_\_\_\_ Page #\_19

Yes<u>X</u>No Page #<u>ATTACH</u>

Yes<u>X</u>No\_\_\_\_ Page #\_\_<u>31 & AT</u>TACH

Yes<u>X</u>No\_\_\_\_ Page #\_19

Yes<u>X</u>No \_\_\_\_ Page #<u>18</u>\_\_\_\_

Yes<u>X</u>No \_\_\_\_ Page # 31

Yes<u>X</u>No Page #ATTACH

Yes<u>X</u>No Page #<u>21 & A</u>TTACH

Yes X No Page #21 & ATTACH

#### BRAKES

The service brakes shall be foot operated, hydraulic power boosted sealed oil disc brakes on all four rear tandem wheels.

The service brakes shall be a dual brake system with accumulators for a secondary braking system for stopped engine braking.

#### SERVICE CAPABILITIES

Shall have 24/7 wireless uplink capability with location, utilization, dashboard alerts, fuel consumption, diagnostic codes, and hours, etc.

Quick –service bank for transmission, hydraulic, engine oil, and engine coolant fluid changes.

Fluid sampling ports for engine oil and coolant, hydraulic, axle and transmission oil.

#### VANDAL PROTECTION/SAFETY

Shall have key-less start with multiple security codes. Vandal protection locking for: Cab doors, top tank radiator access door, engine coolant surge tank, hydraulic reservoir cap, batteries disconnect switch, fuel tank door and cap and toolbox.

#### **OIL ANALYSIS**

To be included at no cost for the duration of the purchased warranty period at intervals recommended by the manufacturer's warranty and maintenance schedule.

#### WEIGHT (STANDARD OPERATING)

Minimum of **37,788** which includes enclosed ROPS cab (low profile) with factory installed air conditioner/heater (standard arrangement). This is factory specified operating weight only. No additional weights may be added for purpose of meeting these specifications.

Yes<u>X</u>No \_\_\_\_ Page # 18

Yes<u>X</u>No Page # 18 & ATTACH

Yes<u>X</u>No \_\_\_\_ Page # 30

Yes<u>X</u>No \_\_\_\_ Page #31

Yes<u>X</u>No \_\_\_\_ Page #\_31

Yes<u>×</u>No Page #<u>30-31</u>

Yes<u>x</u>No Page #ATTACH

YesX\_No \_\_\_\_ Page # 20



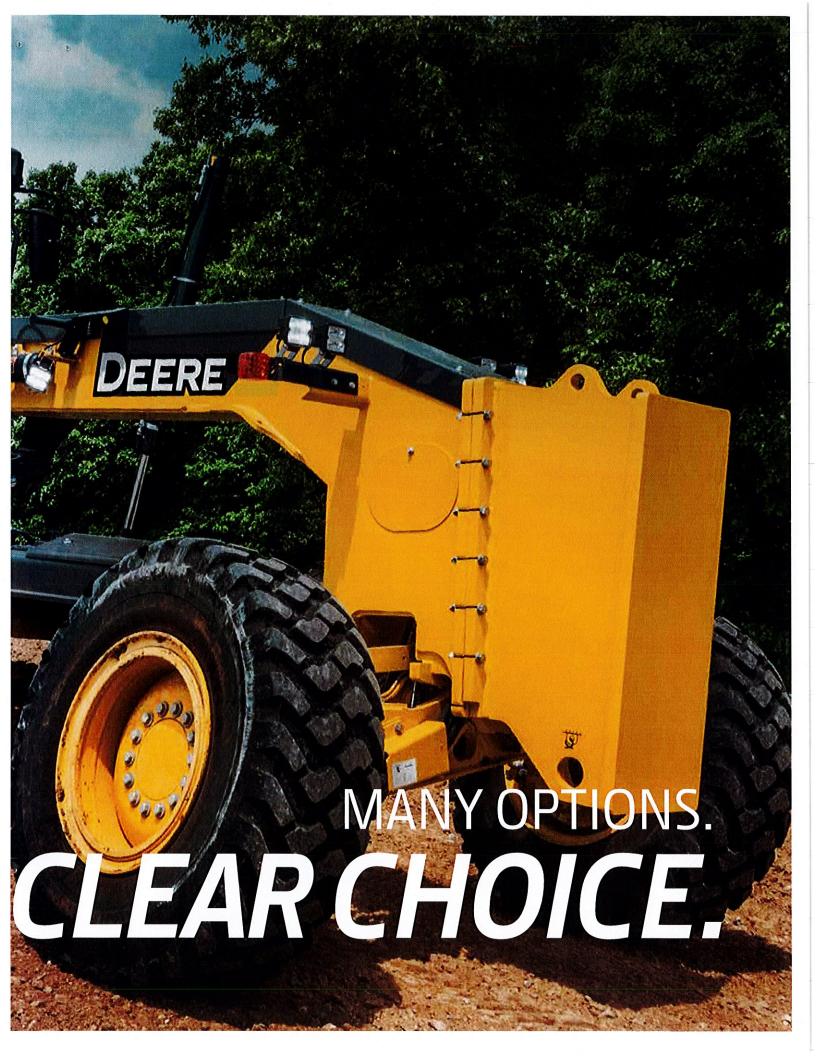
872GP

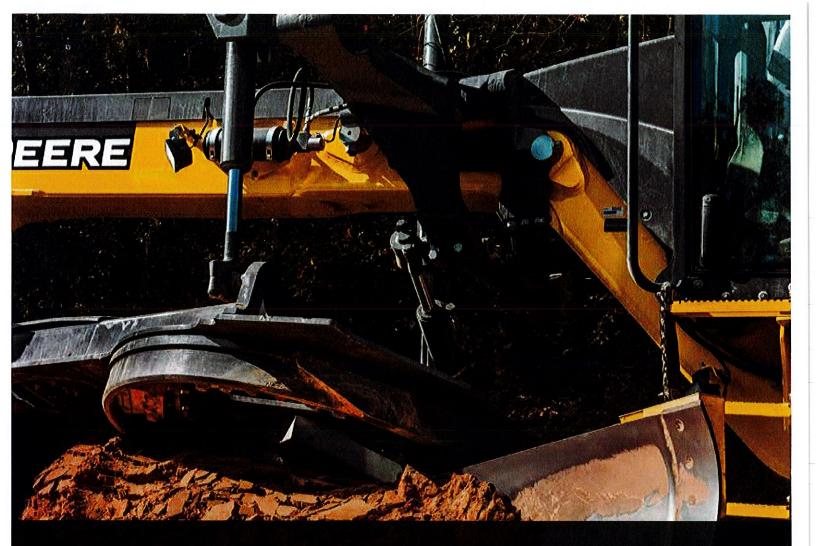


622G/GP / 672G/GP / 772G/GP / 872G/GP

# DECIDE HOW WORK GETS DONE







# THE FUTURE OF GRADING TAKES A FORWARD LEAP.

Inspired by the best ideas of customers like you, John Deere motor graders are known for their exceptional control and effortless grading precision. And now, we're adding exclusive automation on Grade Pro (GP) models to our list of featured firsts. In addition to Customer Advocate Group-tested dual-joystick controls, wide-ranging grade-control system options including integrated SmartGrade models, and the small and economical 622G, it's just one more example of innovations we've accelerated to help your operation jump to the next level.



#### WHEN YOU ASK, WE LISTEN: THE 622G GRADER.

Our competitively priced 622G offers contractors, townships, and municipalities the grader they've been asking for. With just the right amount of power and fuel savings of up to 10 percent over our larger models, it's equipped — not stripped — to include many of the same features found on its larger siblings, including a superior cooling package and ground-level service.

# DO YOUR LEVEL BEST.

### BETTER SPECS, MORE OPTIONS HELP IMPROVE YOUR GRADES

With their exceptional balance, improved performance specs, and more maximum capability, G-Series Graders are always right on the money, especially for contractors, counties/municipalities, or land-leveling applications.

#### **Innovation in action**

New John Deere automation features designed to move you ahead in a big way include Machine-Damage Avoidance, Machine Presets, Auto-Articulation, Auto-Gain for Cross Slope, and Auto-Pass (available on GP models; see page 6 for all the details).

#### Move ahead

Auto-Shift PLUS simplifies operation of both GP and G-Series models, for machine operation without using the inching pedal.

#### More horsepower and torque

Increased engine horsepower, torque, and blade pull produce generous power and lugging ability, to deliver more power to the ground, easily pull through tough spots, or tackle steep hills.

#### Power for the job

G-Series Graders deliver the right amount of power, right when you need it. Horsepower and torque are optimized for each gear to maximize performance, no matter your application.

#### Unlimited grade control

Industry-first John Deere SmartGrade Motor Graders are fully integrated and calibrated from the factory, arriving at your jobsite ready to work. In-cylinder position sensing allows the machine to stay on grade no matter what blade pitch, articulation angle, or circle offset you're running.

#### Smarter from day one

Integration of SmartGrade into the cabin and structures helps shield key grade-control components such as wire harnesses and sensors from damage and theft. And without external grade-control components to impede maneuverability, finalgrade machines can be involved earlier and more effectively in site development.

#### Six-wheel drive

Equip these six-wheel-drive models with Precision mode for maximum productivity in all soil conditions. Six-wheel drive is adjustable on the fly to meet changing soil conditions.

INDUSTRY-FIRST AUTOMATION FEATURES & SMARTGRADE CONFIGURATIONS

DEERE

# **GET OUT AHEAD OF IT**

### THE JOHN DEERE DIFFERENCE.

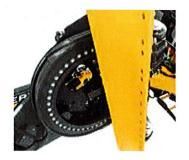
Set yourself apart from the competition. Because with industry-exclusive Auto-Gain for Cross Slope, Auto-Pass, and Auto-Shift PLUS, it's push-button easy to move ahead. Our automation advantages for all Grade Pro (GP) models are also available as field kits that can be unlocked on SmartGrade models.



- Exclusive Auto-Shift PLUS also available on all G-Series models – allows operators to work without using the inching pedal.
- Auto-Gain for Cross Slope automatically adjusts gain settings based on ground speed to maximize performance.
- 3 Auto-Articulation allows the operator to increase the maneuverability of coordinated steering and articulation while using only the joystick-steering function to steer and operate other necessary functions without manually articulating the machine.
- Machine-Damage Avoidance eliminates the risk of blade damage to machine structures during any operation, even complex orientations.
- Exclusive Auto-Pass makes grading easy by automatically placing the blade on the ground and activating the grade-control system (when equipped) at the start of the pass, then automatically raising and resetting the blade at the end of it.
- Preparing the machine for transport is push-button easy with Machine Presets. Stow the blade and ripper, turn on the lights including the hazards, and enable Auto-Shift with one button press, for speedy jobsite transitions.

#### **Optional premium circle**

Featuring a fully sealed bearing and pinion that run smoother and quieter, this industry-leading design reduces operating costs while delivering 40-percent more torque and 15-percent more speed than a traditional circle. Contractors no longer have to compensate for wear in the circle, improving accuracy when using a gradecontrol system — especially impactful when coupled with the innovative John Deere SmartGrade<sup>™</sup> system. And greasing intervals of only four zerks every 500 hours make the premium circle essentially maintenance free.



# **TAKE CONTROL** WITHOUT LIFTING A FINGER.

Our G-Series Graders give you more choice of how work gets done. On our GP models opt for dual-joystick controls or choose state-of-the-art fingertip armrest controls. Or have the best of both worlds — a field kit allows you to easily swap between the two. Our G models offer conventional lever-operated controls. And based on customer feedback, all models still have a steering wheel. The choice is yours.



#### Joystick option

Our dual-joystick option provides intuitive control with minimal hand motion during direction changes and gear shifts. Dual-joystick controls help reduce operator fatigue by eliminating the twisting wrist motion or uncomfortable combinations common to other joystick systems.

#### Precise control with less fatigue

Instead of twisting the controller, actuate articulation and circlerotate functions using proportional roller switches.

#### Return-to-straight

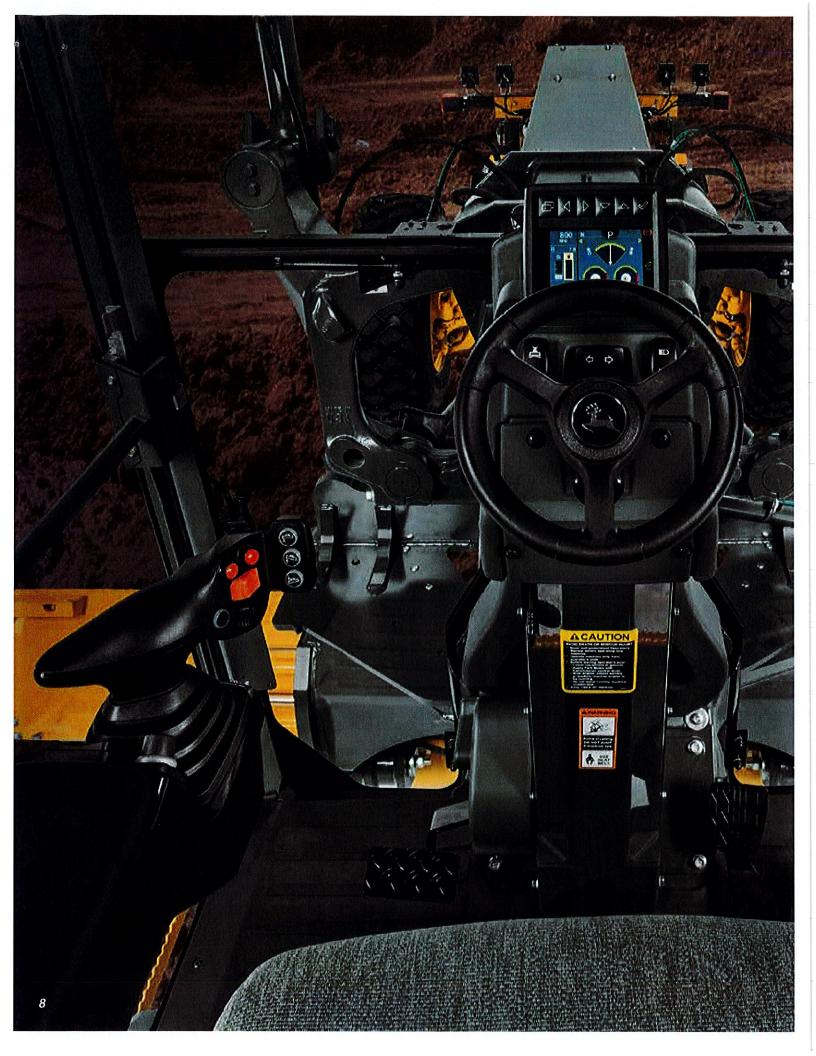
At the touch of a button, return-tostraight automatically straightens an articulated frame, speeding work cycles.

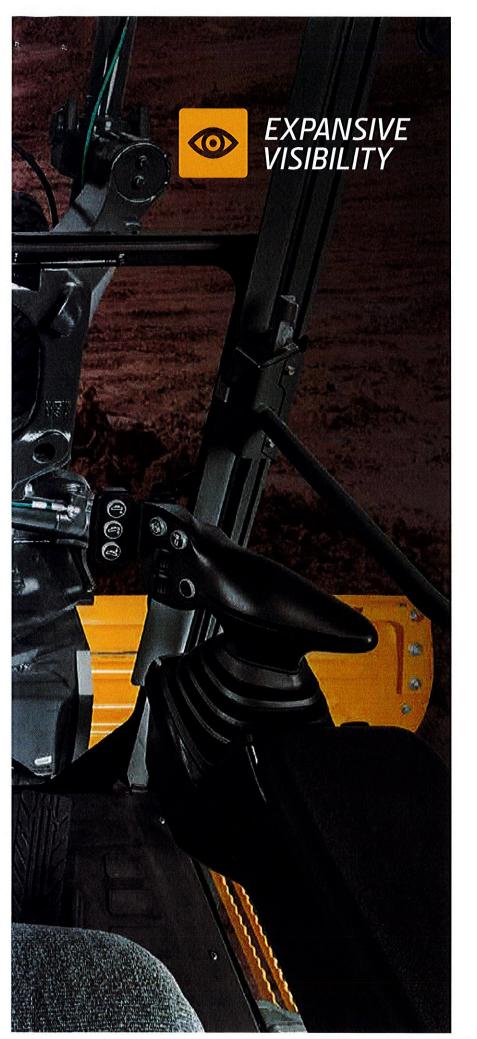
#### Automated cross slope

Both dual-joystick controls and fingertip armrest controls come equipped with cross slope and are ready to run the grade-control system of your choice. Automated cross slope simplifies holding a consistent slope by reducing operation to a single lever. It's a GP feature that helps veteran operators be their best and new operators get up to speed more quickly.



- DUAL-JOYSTICK CONTROLS (GP MODELS)
- FINGERTIP ARMREST MOUNTED (GP MODELS)
- CONVENTIONAL LEVER OPERATED (G MODELS)
- STEERING WHEEL (STANDARD ON ALL MODELS)





# LOOK FORWARD **TO MORE PRODUCTIVITY.**

It's easy to see why G-Series Graders have become a favorite on a wide range of jobsites, with their expansive views, an LCD high-visibility monitor, and smooth gate-less shifting.

#### **Exceptional view**

Visibility is virtually unobstructed, with an all-around clear view to the heel and toe, and behind the moldboard. Even the area beneath the front axle is clearly within sight, for greater awareness of oncoming obstacles.

#### Store your stuff

Generous storage space includes numerous overhead compartments, plus a place for a beverage, cooler, cell phone, and other carry-ons.

#### Lighting the way

Courtesy lighting stays on after machine shutdown and then automatically turns itself off, making it safer to exit the cab after dark, while conserving battery power.

#### Easy-access park brake

Sealed-switch module provides push-button control of vital machine functions, including the parking brake, for more convenient access and easier operation.

#### Streamlined access to vital info

LCD hi-vis monitor provides intuitive, pushbutton access to vital machine data displayed via simple, easy-to-navigate icons and menus.

#### Now you see it

Contractors will benefit from improved visibility to the tandems on GP models while working around obstacles such as water mains and hubs.



# UPTIME ISN'T EVERYTHING, **IT'S THE ONLY THING.**

Downtime means lost productivity and profits. Which is why G-Series Graders are loaded with durability-enhancing advantages that help deliver years of trouble-free service.



# Fuel-efficient, cool-on-demand fan with reversing option

Variable-speed hydraulically driven fan runs only as fast or as often as necessary to keep things cool. Helps conserve power and fuel, while reducing noise. Standard reversible fan (optional on 622G/GP) makes for quick core cleanout in high-debris applications.

#### Multipurpose for your multipurposes

Redesigned heavy-duty front and rear axles combined with increased maximum operating weights enable more versatility and better blade pull for utilizing attachments.

#### Easy-to-clean cooling package

Cooling package eliminates stacked coolers. Combined with the hinged swing-out fan, core access is quick and cleaning is easy.

# Auto shutdown reduces fuel use and wear

Auto shutdown turns off the engine after an operator-determined idle period, saving fuel and reducing wear on engine, transmission, and hydraulic components.

#### Save fuel with Eco mode

When engaged, Eco mode reduces engine rpm in gears 1–5, optimizing fuel usage and decreasing operating costs by up to 10 percent.

#### Get valuable insight with **PRECISION CONSTRUCTION**

This suite of construction technology delivers **Productivity Solutions** to help you get more done, more efficiently. The in-base JDLink<sup>™</sup> subscription provides machine location, utilization data, and alerts to help you maximize productivity and efficiency. Other productivity solutions include grademanagement options for multiple machine forms and payload weighing for wheel loaders and articulated dump trucks. To maximize uptime and lower costs, JDLink also enables John Deere Connected Support.<sup>™</sup> John Deere's centralized Machine Health Monitoring Center analyzes data from thousands of connected machines, identifies trends, and develops recommended actions, called Expert Alerts, to help prevent downtime. Dealers use Expert Alerts to proactively address conditions that may otherwise likely lead to downtime. Your dealer can also monitor machine health and leverage remote diagnostics and programming capability to further diagnose problems and even update machine software without a time-consuming trip to the jobsite.

EERE

# TIME TO TAKE SIDES.



#### Fast, simple ground-level access

All daily service points, including fueling and diesel exhaust fluid (DEF), are grouped on the left side for quick and convenient ground-level access. On the right side, maintenance personnel will appreciate the easy-access engine oil, fuel, hydraulic, transmission, and differential filter bank.

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Engine	622G/GP		
Manufacturer and Model	John Deere PowerTech <sup>™</sup> PSS 6.8L	John Deere PowerTech <sup>™</sup> Plus 6.8L	John Deere PowerTech™ 6.8L
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Cylinders	6	6	6
Displacement	6.8L (414 cu. in.)	6.8L (414 cu. in.)	6.8L (414 cu. in.)
Net Engine Power			
Gear 1	127 kW (170 hp)	127 kW (170 hp)	127 kW (170 hp)
Gear 2	138 kW (185 hp)	138 kW (185 hp)	138 kW (185 hp)
Gear 3	149 kW (200 hp)	145 kW (195 hp)	138 kW (185 hp)
Gear 4	157 kW (210 hp)	149 kW (200 hp)	138 kW (185 hp)
Gear 5	157 kW (210 hp)*	149 kW (200 hp)*	138 kW (185 hp)*
Gear 6	160 kW (215 hp)*	153 kW (205 hp)*	138 kW (185 hp)*
Gear 7	164 kW (220 hp)*	157 kW (210 hp)*	138 kW (185 hp)*
Gear 8	168 kW (225 hp)*	157 kW (210 hp)*	138 kW (185 hp)*
Net Peak Torque	1035 Nm (771 lbft.)	915 Nm (682 lbft.)	831 Nm (620 lbft.)
Net Torque Rise	38%	30%	44%
Aspiration	Series turbocharged, charge-air cooled	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled
Lubrication	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler	
Air Cleaner With Restriction Indicator			Full-flow spin-on filter and integral cool
*6WD not available.	Dual element, dry	Dual element, dry	Dual element, dry
Cooling			
Engine Coolant, Extended Life, Rating	–37 deg. C (–34 deg. F)		
Powertrain			
6-Wheel Drive	systems with variable-displacement pump	ncreases tractive effort and front-end cont os, axial-piston wheel motors, and freewhee and inching capability down to 0 mph; preci	el at transport speeds; operator-selectab
Effective Gears	1–4 forward and reverse		sion mode (propened b) none micels on
Precision Mode			
Effective Gears	1–3 forward only		
Operating Speeds	0.4–8.0 km/h (0.25–5.0 mph)		
Hydrostatic Pumps (2 each)	53 cm <sup>3</sup> (3.2 cu. in.)		
Wheel Motors			
	57 cm <sup>3</sup> /35 cu in l		
	57 cm <sup>3</sup> (3.5 cu. in.)		
Final Reduction Transmission	38.7:1 Direct-drive John Deere PowerShift Plus™	, modulated shift-on-the-go, Event-Based (	
Final Reduction Transmission	38.7:1 Direct-drive John Deere PowerShift Plus™	, modulated shift-on-the-go, Event-Based ation and cooling system with 117-L/min. (3	
Final Reduction Transmission Gears	38.7:1 Direct-drive John Deere PowerShift Plus™ transmission reservoir with separate filtr		
Final Reduction Transmission Gears Forward	38.7:1 Direct-drive John Deere PowerShift Plus™ transmission reservoir with separate filtr 8		
Final Reduction Transmission Gears Forward Reverse	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>™</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> </ul>		31 gpm) gear pump
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>™</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> </ul>	ation and cooling system with 117-L/min. (3	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tire
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>∞</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> <li>4.0 km/h (2.5 mph)</li> </ul>	ation and cooling system with 117-L/min. (3	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tire. 16.4 km/h (10.2 mph)
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>∞</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> <li>4.0 km/h (2.5 mph)</li> <li>5.6 km/h (3.5 mph)</li> </ul>	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6	81 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tire 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3	38.7:1 Direct-drive John Deere PowerShift Plus <sup>∞</sup> transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph)	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7	No tire slip at 2,180 rpm, 14.0-R24 tire 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>™</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> <li>4.0 km/h (2.5 mph)</li> <li>5.6 km/h (3.5 mph)</li> <li>7.7 km/h (4.8 mph)</li> <li>10.9 km/h (6.8 mph)</li> </ul>	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6	81 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tire 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>™</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> <li>4.0 km/h (2.5 mph)</li> <li>5.6 km/h (3.5 mph)</li> <li>7.7 km/h (4.8 mph)</li> <li>10.9 km/h (6.8 mph)</li> <li>Heavy-duty welded fabrication</li> </ul>	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7	No tire slip at 2,180 rpm, 14.0-R24 tire: 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total)	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>™</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> <li>4.0 km/h (2.5 mph)</li> <li>5.6 km/h (3.5 mph)</li> <li>7.7 km/h (4.8 mph)</li> <li>10.9 km/h (6.8 mph)</li> <li>Heavy-duty welded fabrication</li> <li>32 deg.</li> </ul>	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7	No tire slip at 2,180 rpm, 14.0-R24 tire: 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction)	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>™</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> <li>4.0 km/h (2.5 mph)</li> <li>5.6 km/h (3.5 mph)</li> <li>7.7 km/h (4.8 mph)</li> <li>10.9 km/h (6.8 mph)</li> <li>Heavy-duty welded fabrication</li> <li>32 deg.</li> <li>20 deg.</li> </ul>	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8	No tire slip at 2,180 rpm, 14.0-R24 tire: 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph)
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials	38.7:1 Direct-drive John Deere PowerShift Plus <sup>™</sup> transmission reservoir with separate filtr 8 8 8 No tire slip at 2,180 rpm, 14.0-R24 tires 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutce	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl	No tire slip at 2,180 rpm, 14.0-R24 tire: 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) e manual or automatic differential lock
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials	38.7:1 Direct-drive John Deere PowerShift Plus <sup>™</sup> transmission reservoir with separate filtr 8 8 8 No tire slip at 2,180 rpm, 14.0-R24 tires 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutce	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8	No tire slip at 2,180 rpm, 14.0-R24 tire 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) e manual or automatic differential lock
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and	38.7:1 Direct-drive John Deere PowerShift Plus <sup>™</sup> transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutc All-hydraulic power-frame articulation for	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl	No tire slip at 2,180 rpm, 14.0-R24 tire 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) e manual or automatic differential lock teering reduces side drift, positions
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation)	38.7:1 Direct-drive John Deere PowerShift Plus <sup>™</sup> transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutoc All-hydraulic power-frame articulation for tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.)	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl or maneuverability and productivity; crab st	No tire slip at 2,180 rpm, 14.0-R24 tire 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) e manual or automatic differential lock teering reduces side drift, positions
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation) Articulation (both right and left)	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>™</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> <li>4.0 km/h (2.5 mph)</li> <li>5.6 km/h (3.5 mph)</li> <li>7.7 km/h (4.8 mph)</li> <li>10.9 km/h (6.8 mph)</li> <li>Heavy-duty welded fabrication</li> <li>32 deg.</li> <li>20 deg.</li> <li>Spiral bevel; hydraulically actuated, clutce</li> <li>All-hydraulic power-frame articulation for</li> <li>tandems on firm ground, and increases si</li> <li>7.21 m (284 in.) (23 ft. 8 in.)</li> <li>22 deg.</li> </ul>	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl or maneuverability and productivity; crab st ide-slope stability; return-to-straight cont	No tire slip at 2,180 rpm, 14.0-R24 tire 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) e manual or automatic differential lock teering reduces side drift, positions
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation)	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>™</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> <li>4.0 km/h (2.5 mph)</li> <li>5.6 km/h (3.5 mph)</li> <li>7.7 km/h (4.8 mph)</li> <li>10.9 km/h (6.8 mph)</li> <li>Heavy-duty welded fabrication</li> <li>32 deg.</li> <li>20 deg.</li> <li>Spiral bevel; hydraulically actuated, clutce</li> <li>All-hydraulic power-frame articulation for</li> <li>tandems on firm ground, and increases si</li> <li>7.21 m (284 in.) (23 ft. 8 in.)</li> <li>22 deg.</li> <li>Inboard-mounted planetary sealed in coordination</li> </ul>	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl or maneuverability and productivity; crab st ide-slope stability; return-to-straight cont	No tire slip at 2,180 rpm, 14.0-R24 tire 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) e manual or automatic differential lock teering reduces side drift, positions rol included in Grade Pro (GP) option
Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation) Articulation (both right and left)	<ul> <li>38.7:1</li> <li>Direct-drive John Deere PowerShift Plus<sup>™</sup> transmission reservoir with separate filtr.</li> <li>8</li> <li>8</li> <li>No tire slip at 2,180 rpm, 14.0-R24 tires</li> <li>4.0 km/h (2.5 mph)</li> <li>5.6 km/h (3.5 mph)</li> <li>7.7 km/h (4.8 mph)</li> <li>10.9 km/h (6.8 mph)</li> <li>Heavy-duty welded fabrication</li> <li>32 deg.</li> <li>20 deg.</li> <li>Spiral bevel; hydraulically actuated, clutce</li> <li>All-hydraulic power-frame articulation for</li> <li>tandems on firm ground, and increases si</li> <li>7.21 m (284 in.) (23 ft. 8 in.)</li> <li>22 deg.</li> <li>Inboard-mounted planetary sealed in coordination</li> </ul>	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl or maneuverability and productivity; crab st ide-slope stability; return-to-straight cont	No tire slip at 2,180 rpm, 14.0-R24 tire 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) e manual or automatic differential lock teering reduces side drift, positions rol included in Grade Pro (GP) option





Hydraulics	622G/GP	
Туре	Closed-center, pressure-compensated load-sensing (PC	LS), variable-displacement piston pump
Maximum Pump Flow	212 L/min. (56 gpm)	
Maximum System Pressure	18 961 kPa (2,750 psi)	
Pump Displacement	90 cm³ (5.5 cu. in.)	
Blade Function		
	ment of blade-function controls; includes float position; 7 o	discrete saddle positions
Blade Range		
Lift Above Ground	490 mm (19.3 in.)	
Blade Side Shift (right or left)	683 mm (26.9 in.)	
Pitch at Ground Line		
Forward	42 deg.	
Back	5 deg.	
Shoulder Reach Outside Wheels (frame	2083 mm (82.0 in.) (6 ft. 10 in.)	
straight, right or left)		
Bank Cut Angle (right or left)	90 deg.	
Blade Pull		
At Maximum Operating Weight	20 412 kg (45,000 lb.)	
Electrical		
Solid-state load center and sealed-switch		
module	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II
Voltage	24 volt	24 volt
Number of Batteries	2	2
Battery Capacity	1,400 CCA	950 CCA
Reserve Capacity	440 min.	190 min.
Amp-Hour Rating	224 amp-hour	110 amp-hour
Alternator Rating		
Base	130 amp	100 amp
Optional	200 amp	130 amp
Lights		its; front and rear LED turn signals and marker lights; LED brak
	and hazard warning lights	
Mainframe		
Туре	Welded box construction	
Width (minimum)	307 mm (12.1 in.)	
Height (minimum)	307 mm (12.1 in.)	
Thickness		
Side	16 mm (0.63 in.)	
Top and Bottom Plate	23 mm (0.89 in.)	
Modulus		
iniouulus		
Minimum Vertical Section	1445 cm³ (88 cu. in.)	
	1445 cm³ (88 cu. in.) 2245 cm³ (137 cu. in.)	
Minimum Vertical Section		
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar)		
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar)	2245 cm³ (137 cu. in.)	
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr	2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection	
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle	2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection	Premium Circle
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle	2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection ed for flatness	Premium Circle 1524 mm (60 in.)
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine	2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i>	
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter	2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.)	1524 mm (60 in.) 360 deg.
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation Surface	2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts	1524 mm (60 in.)
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation	2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg.	1524 mm (60 in .) 360 deg. Sealed and lubricated roller element slewing bearing
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive	2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch	2245 cm <sup>3</sup> (137 cu. in.) hess with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation Surface Pinion/Ring-Gear Connection	2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard	2245 cm <sup>3</sup> (137 cu. in.) hess with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.)	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher stree	2245 cm <sup>3</sup> (137 cu. in.) hess with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) ngth; wear-resistant, high-carbon steel and reversible end l	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher strer replaceable wear inserts and quick-adjust ja	2245 cm <sup>3</sup> (137 cu. in.) hess with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) ngth; wear-resistant, high-carbon steel and reversible end l ickscrew system	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher strer replaceable wear inserts and quick-adjust ja Base Length	2245 cm <sup>3</sup> (137 cu. in.) hess with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) ngth; wear-resistant, high-carbon steel and reversible end l ackscrew system 3.66 m (144 in.) (12 ft. 0 in.)	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)
Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flatr Circle Welded construction, heat-treated, machine Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher strer replaceable wear inserts and quick-adjust ja	2245 cm <sup>3</sup> (137 cu. in.) hess with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) ngth; wear-resistant, high-carbon steel and reversible end l ickscrew system	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)

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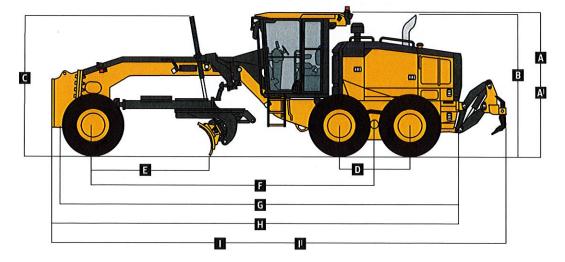
Cutting Edge	622G/GP			
Dura-Max <sup>™</sup> through-hardened steel edge				
Thickness	16 mm (0.62 in.)			
Width	152 mm (6 in.)			
Scarifiers				
	Front		Mid-mount	
Гуре	V-type toolbar with 2-pitch positions	and hydraulic float		n NeverGrease <sup>™</sup> pin joints; V-type manu
Alidah of Cont	120 - 100 = 100 = 100 = 100 = 100			and hydraulic float
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)		1.19 m (46.7 in.) (3 t	ft. II in.)
Number of Shanks/Teeth	5 (maximum capacity 9)		11	
Lift Above Ground	589 mm (23.2 in.) 335 mm (13.2 in.)		335 mm (13.2 in.)	
Maximum Depth Shank	555 mm (15.2 m.)		325 mm (12.8 in.)	
Spacing	146 mm (5.75 in.)		117 mm (4.6 in.)	
Size	25 x 76 mm (1 x 3 in.)		25 x 76 mm (1 x 3 ir	n l
Front Lift Group (Balderson-style)	25 x 70 mm (1 x 5 m.)		25 % 70 11111 (1 % 5 11	
Parallel linkage, mechanical pins, and hydraul	ic float			
Lift				
Above Ground (top of tube)	1864 mm (73.4 in.)			
Range	988 mm (38.9 in.)			
Rear Ripper/Scarifier				
Parallel linkage, with NeverGrease pin joints,	hydraulic float, and integrated hitch			
	Ripper		Scarifier	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)		2.18 m (86 in.) (7 f	t. 2 in.)
Number of Shanks/Teeth	3 (maximum capacity 5)		None standard (m	aximum capacity 9)
Lift Above Ground	602 mm (23.7 in.)		810 mm (31.9 in.)	
Maximum Depth	426 mm (16.8 in.)		323 mm (12.7 in.)	
Force				
Penetration	9494 kg (20,932 lb.)			
Pry-Out	12 387 kg (27,309 lb.)		-	
Shank Size	61.5 x 133 mm (2.42 x 5.25 in.)		25 x 76 mm (1 x 3 ii	n.)
Operator Station				
Low-profile cab with ROPS (ISO 3471-2008) a	nd FOPS (ISO 3449-2005)			
Tires/Wheels				
	13x24 on 254-mm (10 in.) Rim	14R24 on 254-mm	(10 in.) Rim	17.5R25 on 356-mm (14 in.) Rim
Wheel Tread on Ground	2.08 m (82 in.)	2.08 m (82.0 in.)		2.16 m (85.0 in.)
Overall Width	2.49 m (98 in.)	2.49 m (98.0 in.)		2.64 m (104.0 in.)
Ground Clearance (front axle)	557 mm (21.9 in.)	587 mm (23.1 in.)		587 mm (23.1 in.)
Serviceability	EPA Stand Time / / Std Stand M			
Refill Capacities Fuel Tank	EPA Final Tier 4/EU Stage V			ge IIIA and EPA Tier 2/EU Stage II
Diesel Exhaust Fluid (DEF) Tank	416.5 L (110 gal.) 22.5 L (6 gal.)		303 L (80 gal.)	
Cooling System	51.0 L (13.5 gal.)			
Engine Oil With Filter	31.5 L (8.3 gal.)		44.0 L (11.6 gal.)	
Transmission Fluid	28.4 L (7.5 gal.)		26.0 L (6.9 gal.) 28.4 L (7.5 gal.)	
Differential Housing	38.0 L (10 gal.)		38.0 L (10 gal.)	
Tandem Housings (each)	74.0 L (19.5 gal.)		74.0 L (19.5 gal.)	
Circle Gearbox	5.7 L (1.5 gal.)		5.7 L (1.5 gal.)	
Hydraulic Reservoir	60.5 L (16 gal.)		53.0 L (14 gal.)	
Operating Weights	60.5 E (10 gal.)		55.0 L (14 gal.)	
With Full Fuel Tank, 3.66-m x 610-mm x				
22-mm (12 ft. x 24 in. x 0.88 in.) Moldboard				
With 152-mm x 16-mm (6 in. x % in.) Cutting				
Edges, 14R24 L2 Tires, and 79-kg 175 lb.)				
Operator	EPA Final Tier 4/EU Stage V		EPA Tier 3/EU Sta	ge IIIA and EPA Tier 2/EU Stage II
Front	4795 kg (10,572 lb.)		4860 kg (10,713 lb.	
Rear	11 995 kg (26,443 lb.)		11 178 kg (24,643 lb	
Total	16 790 kg (37,015 lb.)		16 038 kg (35,357 l	
Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other			-	
Equipment				
Front	5438 kg (11,998 lb.)		5591 kg (12,325 lb.)	
Rear	13 662 kg (30,120 lb.)		12 710 kg (28,020 l	b.)
The second se	101001-1/2100111		18 300 kg (40,345	lb)
Total	19 100 kg (42,108 lb.)		10 300 kg (+0,3+3	10.1
Total Maximum Operating Weight *With 13-24 Bias L2 tires.	22 680 kg (50,000 lb.)		22 680 kg (50,000	

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## 622G/GP

Option Weights	622G/GP	Option Weights (continued)	622G/GP
Moldboards With Through-Hardened Dura-Max		Front Lift Group (Balderson-style)	763 kg (1,682 lb.)
Cutting Edge		Tires	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x % in.)	0 kg (0 lb.)	13.00-24, 12 PR G2	-306 kg (-675 lb.)
with 152-mm x 16-mm (6 in. x ¾ in.) cutting edge		14.00-24, 12 PR G2	-220.4 kg (-486 lb.)
and 16-mm (¾ in.) hardware		17.5-25, 12 PR G2/L2	-106 kg (-234 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ¼ in.)	45 kg (99 lb.)	14.00-R24, Radial, G2/L2 General Purpose	0 kg (0 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge		14.00-R24, Radial, G2/L2 Snow	40.8 kg (90 lb.)
and 16-mm (¾ in.) hardware		17.5-R25, Radial, L2 General Purpose	51.7 kg (114 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x 1/8 in.)	105 kg (231 lb.)	17.5-R25, Radial, G2/L2 Snow	95.3 kg (210 lb.)
with 152-mm x 16-mm (6 in. x 5⁄8 in.) cutting edge		17.5-R25, Radial, G3/L3 General Purpose	141.5 kg (312 lb.)
and 16-mm (% in.) hardware		Multi-Piece Rims	141.5 kg (512 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x 1/8 in.)	157.4 kg (347 lb.)	254 mm x 610 mm (10 in, x 24 in.)	01-(01)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge		356 mm x 635 mm (10 in. x 24 in.)	0 kg (0 lb.)
and 16-mm (¾ in.) hardware			85.3 kg (188 lb.)
Extensions, 610 mm (2 ft.) (right or left)		Fenders	001 (210 11 )
For Use With 610-mm (24 in.) Moldboards	116 kg (255 lb.)	Front	99 kg (218 lb.)
Overlay End Bits, Reversible (one pair)		Rear	141 kg (310 lb.)
For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)	Low Cab With Opening Front and Side Windows	14.5 kg (32 lb.)
For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)	Premium Air-Suspension, Heated Seat With Adjustable	13 kg (28 lb.)
Circle-Drive Slip Clutch	9 kg (20 lb.)	Arm- and Headrests	
Circle		Coolant Heater	4 kg (9 lb.)
Standard	0 kg (0 lb.)	Quick Service	11 kg (24 lb.)
Premium	289 kg (638 lb.)	Sound-Absorption Package (machines equipped with	14 kg (31 lb.)
Moldboard Impact-Absorption System	43 kg (95 lb.)	Tier 3/Stage IIIA and Tier 2/Stage II engines only)	
Ripper, 3 Shank, No Scarifier	1052 kg (2,319 lb.)	Secondary Steering	26 kg (58 lb.)
Ripper/Scarifier, Rear Mounted With Hitch and Ripper	1139 kg (2,510 lb.)	Beacon Bracket	8 kg (18 lb.)
Shanks (3)	3	Fire Extinguisher	14.5 kg (32 lb.)
Scarifier Shanks With Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)	Lighting Packages	
Rear Counterweight With Integral Rear Hitch	727 kg (1,603 lb.)	10 Halogen Lights	4.5 kg (10 lb.)
Rear Hitch	54.4 kg (120 lb.)	18 Halogen Lights	8 kg (18 lb.)
Push Block, Front	907 kg (2,000 lb.)	18 LED Lights	7 kg (16 lb.)
Scarifier	· · · · · · · · · · · · · · · · · · ·	High-Front Light Bar for Snowplowing	20 kg (44 lb.)
Front Mount With Teeth (5)	831 kg (1,833 lb.)	Auxiliary Hydraulic Control Valve Section and Controls	7 kg (15 lb.)
Mid-Mount With Teeth (11)	1481 kg (3,265 lb.)	Hydraulics for Front-Mounted Equipment	9 kg (19 lb.)
Machine Dimensions	in the second second	Machine Dimensions (continued)	
A Height to Top of Cab	3.18 m (10 ft. 5 in.)	F Wheelbase	6.16 m (20 ft. 3 in.)
A <sup>I</sup> Height to Top of Full-Height Cab	3.40 m (11 ft. 2 in.)	G Overall Length	8.89 m (29 ft. 2 in.)
B Height to Top of Exhaust	3.10 m (10 ft. 2 in.)	H Overall Length With Scarifier	9.69 m (31 ft. 9 in.)
C Height to Top of Blade-Lift Cylinders	3.05 m (10 ft. 0 in.)	I Overall Length With Scattler	9.99 m (32 ft. 9 in.)
D Tandem Axle Spacing	1.54 m (5 ft. 1 in.)		a figure consists of an error of the state of the state of the
E Blade Base	2.57 m (8 ft, 5 in.)	je se	10.59 m (34 ft. 9 in.)
	2.57 III (8 TT. 5 III.)	For Overall Width see Tires/Wheels on page 16.	







Engine	672G/GP		
Manufacturer and Model	John Deere PowerTech <sup>™</sup> PSS 9.0L	John Deere PowerTech <sup>™</sup> Plus 9.0L	John Deere PowerTech <sup>™</sup> 9.0L
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Cylinders	6	6	6
Displacement	9.0L (548 cu. in.)	9.0L (548 cu. in.)	9.0L (548 cu. in.)
Net Engine Power			
Gear 1	149 kW (200 hp)	149 kW (200 hp)	149 kW (200 hp)
Gear 2	157 kW (210 hp)	157 kW (210 hp)	157 kW (210 hp)
Gear 3	168 kW (225 hp)	164 kW (220 hp)	164 kW (220 hp)
Gear 4	172 kW (230 hp)	168 kW (225 hp)	168 kW (225 hp)
Gear 5	179 kW (240 hp)	172 kW (230 hp)	172 kW (230 hp)
Gear 6	187 kW (250 hp)	179 kW (240 hp)	179 kW (240 hp)
Gear 7	190 kW (255 hp)	187 kW (250 hp)	187 kW (250 hp)
Gear 8	190 kW (255 hp)*	179 kW (240 hp)*	179 kW (240 hp)*
Net Peak Torque	1292 Nm (963 lbft.)	1250 Nm (932 lbft.)	1250 Nm (932 lbft.)
	50%	51%	51%
Net Torque Rise			
Aspiration	Series turbocharged, charge-air cooled	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled
Lubrication	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral coole
Air Cleaner With Restriction Indicator	Dual element, dry	Dual element, dry	Dual element, dry
*6WD not available.			
Cooling			
Engine Coolant, Extended Life, Rating	–37 deg. C (–34 deg. F)		
Powertrain			
6-Wheel Drive	systems with variable-displacement pump	ncreases tractive effort and front-end cont ps, axial-piston wheel motors, and freewhe and inching capability down to 0 mph; prec	el at transport speeds; operator-selectable
Effective Gears	1–7 forward and reverse		
Precision Mode			
Effective Gears	1–3 forward only		
Operating Speeds	0.4-8.0 km/h (0.25-5.0 mph)		
Hydrostatic Pumps (2 each)	53 cm <sup>3</sup> (3.2 cu. in.)		
Wheel Motors	57 cm <sup>3</sup> (3.5 cu. in.)		
Final Reduction	38.7:1		
Transmission	Direct-drive John Deere PowerShift Plus"	f, modulated shift-on-the-go, Event-Based ration and cooling system with 117-L/min. (	
Gears			
Forward	8		
Reverse	8		
Maximum Travel Speeds	No tire slip at 2,180 rpm, 14.0-R24 tires		No tire slip at 2,180 rpm, 14.0-R24 tires
Gear 1	4.0 km/h (2.5 mph)	Gear 5	16.4 km/h (10.2 mph)
Gear 2	5.6 km/h (3.5 mph)	Gear 6	23.2 km/h (14.4 mph)
		a state to be the two sectors and the sector and the	A process of the second s second second s second second s second second se
Gear 3	7.7 km/h (4.8 mph)	Gear 7	32.3 km/h (20.1 mph)
Gear 4	10.9 km/h (6.8 mph)	Gear 8	45.5 km/h (28.3 mph)
Front Axle	Heavy-duty welded fabrication		
Oscillation (total)	32 deg.		
Wheel Lean Angle (each direction)	20 deg.		
Differentials	Spiral bevel; hydraulically actuated, clute	h type can be applied on-the-go; selectab:	le manual or automatic differential lock
Steering (all models include	All-hydraulic power-frame articulation for	or maneuverability and productivity; crab s	teering reduces side drift, positions
steering wheel) Turning Radius (front steer and		ide-slope stability; return-to-straight cont	
articulation)			
articulation) Articulation (both right and left)	22 deg.		
Articulation (both right and left)	22 deg. Inboard-mounted planetary sealed in co	oled, filtered oil	
	Inboard-mounted planetary sealed in co	multiple wet-disc brakes sealed in pressuri.	zed, cooled, filtered oil; both independen

# 57/2G/GP SPECIFICATIONS



Hydraulics	672G/GP	
Туре	Closed-center, pressure-compensated load-sensing (PC	CLS), variable-displacement piston pump
Maximum Pump Flow	212 L/min. (56 gpm)	
Maximum System Pressure	18 961 kPa (2,750 psi)	
Pump Displacement	90 cm³ (5.5 cu. in.)	
Blade Function		
All-hydraulic, industry-standard lever place	ment of blade-function controls; includes float position; 7	discrete saddle positions
Blade Range		
Lift Above Ground	490 mm (19.3 in.)	
Blade Side Shift (right or left)	683 mm (26.9 in.)	
Pitch at Ground Line		
Forward	42 deg.	
Back	5 deg.	
Shoulder Reach Outside Wheels (frame straight, right or left)	2083 mm (82.0 in.) (6 ft. 10 in.)	
Bank Cut Angle (right or left)	90 deg.	
Blade Pull		
At Maximum Operating Weight	22 453 kg (49,500 lb.)	
Electrical		
Solid-state load center and sealed-switch		
module	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II
Voltage	24 volt	24 volt
Number of Batteries	2	2
Battery Capacity	1,400 CCA	1,400 CCA
Reserve Capacity	440 min.	440 min.
Amp-Hour Rating	224 amp-hour	224 amp-hour
Alternator Rating		
Base	130 amp	100 amp
Optional	200 amp	130 amp
Lights	Driving lights; 2 high- and 2 low-beam halogen headligh and hazard warning lights	nts; front and rear LED turn signals and marker lights; LED br
Mainframe		
Туре	Welded box construction	
	Welded box construction 307 mm (12.1 in.)	
Width (minimum)		
Width (minimum) Height (minimum)	307 mm (12.1 in.)	
Width (minimum) Height (minimum)	307 mm (12.1 in.)	
Width (minimum) Height (minimum) Thickness Side	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.)	
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate	307 mm (12.1 in.) 307 mm (12.1 in.)	
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.)	
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.)	
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.)	
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar)	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.)	
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.)	
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection	
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection	Premium Circle
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection red for flatness	Premium Circle 1524 mm (60 in.)
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2445 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection med for flatness <i>Standard Circle</i>	
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 1445 cm <sup>3</sup> (88 cu. in.) 245 cm <sup>3</sup> (137 cu. in.) mess with double ball-and-socket pivot connection med for flatness <i>Standard Circle</i> 1524 mm (60 in.)	1524 mm (60 in.) 360 deg.
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection red for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg.	1524 mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) mess with double ball-and-socket pivot connection red for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) ress with double ball-and-socket pivot connection red for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock	1524 mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) mess with double ball-and-socket pivot connection red for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left)	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) ress with double ball-and-socket pivot connection ress with double ball-and-socket pivot connection rest for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock
Width (minimum) Height (minimum) Thickness Side Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) ness with double ball-and-socket pivot connection red for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.)	1524 mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787 mm (31 in.)
Width (minimum)         Height (minimum)         Thickness         Side         Top and Bottom Plate         Modulus         Minimum Vertical Section         Average Vertical Section at Saddle         Draft Frame (drawbar)         Welded box construction machined for flat         Circle         Welded construction, heat-treated, machine         Circle Diameter         Rotation         Surface         Pinion/Ring-Gear Connection         Drive         Slip Clutch         Circle Side Shift (right and left)         Moldboard         High-strength, pre-stressed for higher stre	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) mess with double ball-and-socket pivot connection med for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) mgth; wear-resistant, high-carbon steel and reversible end	1524 mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787 mm (31 in.)
Width (minimum)         Height (minimum)         Thickness         Side         Top and Bottom Plate         Modulus         Minimum Vertical Section         Average Vertical Section at Saddle         Draft Frame (drawbar)         Welded box construction machined for flat         Circle         Welded construction, heat-treated, machine         Circle Diameter         Rotation         Surface         Pinion/Ring-Gear Connection         Drive         Slip Clutch         Circle Side Shift (right and left)         Moldboard         High-strength, pre-stressed for higher stre         Base Length	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) mess with double ball-and-socket pivot connection med for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) mgth; wear-resistant, high-carbon steel and reversible end	1524 mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787 mm (31 in.)
Top and Bottom Plate Modulus Minimum Vertical Section Average Vertical Section at Saddle Draft Frame (drawbar) Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher stre replaceable wear inserts and quick-adjust ja Base Length Height (measured along arc, including	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) mess with double ball-and-socket pivot connection med for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) mgth; wear-resistant, high-carbon steel and reversible end ackscrew system	1524 mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787 mm (31 in.)
Width (minimum)         Height (minimum)         Thickness         Side         Top and Bottom Plate         Modulus         Minimum Vertical Section         Average Vertical Section at Saddle         Draft Frame (drawbar)         Welded box construction machined for flat         Circle         Welded construction, heat-treated, machine         Circle Diameter         Rotation         Surface         Pinion/Ring-Gear Connection         Drive         Slip Clutch         Circle Side Shift (right and left)         Moldboard         High-strength, pre-stressed for higher stre         Base Length	307 mm (12.1 in.) 307 mm (12.1 in.) 16 mm (0.63 in.) 23 mm (0.89 in.) 1445 cm <sup>3</sup> (88 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) 2245 cm <sup>3</sup> (137 cu. in.) mess with double ball-and-socket pivot connection med for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) mgth; wear-resistant, high-carbon steel and reversible end ackscrew system 3.66 m (144 in.) (12 ft. 0 in.)	1524 mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787 mm (31 in.)

### 672G/GP

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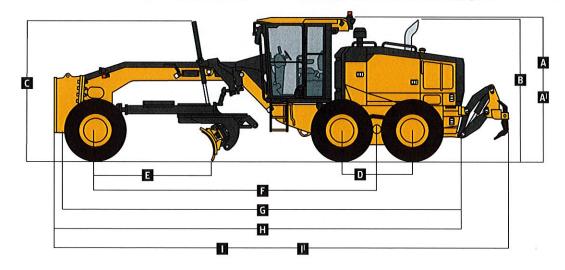
Cutting Edge Dura-Max <sup>™</sup> through-hardened steel edge	672G/GP	
Thickness	16 mm (0.62 in.)	
Width		
Scarifiers	152 mm (6 in.)	
Scannels	Front	Mid-mount
Туре	V-type toolbar with 2-pitch positions and hydraulic float	Radial linkage, with NeverGrease <sup>™</sup> pin joints; V-type manua
type	v-type toolbal with 2-pitch positions and hydraulic hoat	3-pitch positions and hydraulic float
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)	1.19 m (46.7 in.) (3 ft. 11 in.)
Number of Shanks/Teeth	5 (maximum capacity 9)	]]
Lift Above Ground	589 mm (23.2 in.)	335 mm (13.2 in.)
Maximum Depth	335 mm (13.2 in.)	325 mm (12.8 in.)
Shank	555 min (15,2 mi.)	
Spacing	146 mm (5.75 in.)	117 mm (4.6 in.)
Size	25 x 76 mm (1 x 3 in.)	25 x 76 mm (1 x 3 in.)
Front Lift Group (Balderson-style)		
Parallel linkage, mechanical pins, and hydraul	ic float	
Lift		
Above Ground (top of tube)	1864 mm (73,4 in.)	
Range	988 mm (38.9 in.)	
Rear Ripper/Scarifier		
Parallel linkage, with NeverGrease pin joints,	hydraulic float, and integrated hitch	
ge,	Ripper	Scarifier
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)	2.18 m (86 in.) (7 ft. 2 in.)
Number of Shanks/Teeth	3 (maximum capacity 5)	None standard (maximum capacity 9)
Lift Above Ground	602 mm (23.7 in.)	810 mm (31,9 in.)
Maximum Depth	426 mm (16.8 in.)	323 mm (12.7 in.)
Force		525 mm (12.5 m)
Penetration	9719 kg (21,426 lb.)	
Pry-Out	13 702 kg (30,207 lb.)	
Shank Size	61.5 x 133 mm (2.42 x 5.25 in.)	— 25 x 76 mm (1 x 3 in.)
Operator Station	01.5 x 155 11111 (2.42 x 5.25 111.)	25 \$ 76 mm (1 \$ 5 m.)
Low-profile cab with ROPS (ISO 3471-2008) a		
Tires/Wheels	na FOPS (ISO 3449-2005)	
Tires/ wheels	14R24 on 254-mm (10 in.) Rim	17.5R25 on 356-mm (14 in.) Rim
Wheel Tread on Ground		
	2.08 m (82.0 in.)	2.16 m (85.0 in.)
Overall Width	2.49 m (98.0 in.)	2.64 m (104.0 in.)
Ground Clearance (front axle) Serviceability	587 mm (23,1 in.)	587 mm (23.1 in.)
Refill Capacities	EBA Final Tior (/ELLStage )/	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II
Fuel Tank	EPA Final Tier 4/EU Stage V	
Diesel Exhaust Fluid (DEF) Tank	416.5 L (110 gal.) 22.5 L (6 gal.)	416.5 L (110 gal.) —
Cooling System	55.0 L (14.5 gal.)	— 48.5 L (12.8 gal.)
Engine Oil With Filter		
Transmission Fluid	28.4 L (7.5 gal.)	28.0 L (7.4 gal.)
	28.4 L (7.5 gal.)	28.4 L (7.5 gal.)
Differential Housing	38.0 L (10 gal.)	38.0 L (10 gal.)
Tandem Housings (each)	74.0 L (19.5 gal.)	74.0 L (19.5 gal.)
Circle Gearbox	5.7 L (1.5 gal.)	5.7 L (1.5 gal.)
Hydraulic Reservoir	60.5 L (16 gal.)	53.0 L (14 gal.)
Operating Weights		
With Full Fuel Tank, 3.66-m x 610-mm x		
22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards		
With 152-mm x 16-mm (6 in. x ¾ in.) Cutting		
Edges, 14R24 L2 Tires, and 79-kg 175 lb.)		
Operator	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II
Front	4835 kg (10,660 lb.)	4840 kg (10,670 lb.)
Rear	12 305 kg (27,128 lb.)	11 825 kg (26,070 lb.)
Total	17 140 kg (37,788 lb.)	16 665 kg (36,740 lb.)
Typical Operating Weight With Front Push		<ul> <li>M. SAMPTON MARK AND AND AND ADDRESS OF A DESCRIPTION OF A DESCR A DESCRIPTION OF A DESCRIPTIONO</li></ul>
Block, Rear Ripper/Scarifier, and Other		
Equipment		
Front	6015 kg (13,260 lb.)	5987 kg (13,200 lb.)
Rear	13 985 kg (30,832 lb.)	13 342 kg (29,415 lb.)
Total	20 000 kg (44,092 lb.)	19 330 kg (42,615 lb.)
server	-	
Maximum Operating Weight	24 948 kg (55,000 lb.)	24 948 kg (55,000 lb.)

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## 672G/GP

Option Weights	672G/GP	Option Weights (continued)	672G/GP
Moldboards With Through-Hardened Dura-Max		Rear Counterweight With Integral Rear Hitch	727 kg (1,603 lb.)
Cutting Edge		Rear Hitch	54.4 kg (120 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x 1/2 in.)	0 kg (0 lb.)	Push Block, Front	1338 kg (2,950 lb.)
with 152-mm x 16-mm (6 in. x ¾ in.) cutting edge		Scarifier	
and 16-mm (¾ in.) hardware		Front Mount With Teeth (5)	831 kg (1,833 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x % in.)	45 kg (99 lb.)	Mid-Mount With Teeth (11)	1481 kg (3,265 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	3	Front Lift Group (Balderson-style)	763 kg (1,682 lb.)
and 16-mm (¾ in.) hardware		Tires	705 Kg (1,002 ID.)
3.96 m x 686 mm x 25 mm (13 ft, x 27 in, x 1 in,)	180 kg (396 lb.)	14.00-24, 12 PR G2	–220.4 kg (–486 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge		CONTRACTOR AND A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPT	and such that the second se
and 16-mm (¾ in.) hardware		17.5-25, 12 PR G2/L2	-106 kg (-234 lb.)
4.27 m x 610 mm x 22 mm (14 ft, x 24 in, x ½ in,)	105 kg (231 lb.)	14.00-R24, Radial, G2/L2 General Purpose	0 kg (0 lb.)
with 152-mm x 16-mm (6 in. x ½ in.) cutting edge	,	14.00-R24, Radial, G2/L2 Snow	40.8 kg (90 lb.)
and 16-mm (% in.) hardware		17.5-R25, Radial, L2 General Purpose	51.7 kg (114 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ½ in.)	157.4 kg (347 lb.)	17.5-R25, Radial, G2/L2 Snow	95.3 kg (210 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	137.1 kg (3 fr 18.)	17.5-R25, Radial, G3/L3 General Purpose	141.5 kg (312 lb.)
and 16-mm (% in.) hardware		Multi-Piece Rims	
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	251 kg (554 lb.)	254 mm x 610 mm (10 in. x 24 in.)	0 kg (0 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	251 kg (554 lb.)	356 mm x 635 mm (14 in. x 25 in.)	85.3 kg (188 lb.)
and 16-mm (% in.) hardware		Fenders	-
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	261 kg (575 lb.)	Front	99 kg (218 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	201 kg (575 lb.)	Rear	141 kg (310 lb.)
and 19-mm (¾ in.) hardware		Low Cab With Opening Front and Side Windows	14.5 kg (32 lb.)
Extensions, 610 mm (2 ft.) (right or left)		Premium Air-Suspension, Heated Seat With Adjustable	13 kg (28 lb.)
For Use With 610-mm (24 in.) Moldboards	116 kg (255 lb.)	Arm- and Headrests	
For Use With 686-mm (27 in.) Moldboards	120 kg (265 lb.)	Coolant Heater	4 kg (9 lb.)
	120 Kg (203 ID.)	Quick Service	11 kg (24 lb.)
Overlay End Bits, Reversible (one pair)	105 ha (/ 2 lh )	Sound-Absorption Package (machines equipped with	14 kg (31 lb.)
For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)	Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 Kg (51 10./
For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)	Secondary Steering	26 kg (58 lb.)
Heavy-Duty Dual-Input Circle-Drive Gearbox	14 kg (31 lb.)	Beacon Bracket	8 kg (18 lb.)
Circle-Drive Slip Clutch	9 kg (20 lb.)	Fire Extinguisher	
Circle			14.5 kg (32 lb.)
Standard	0 kg (0 lb.)	Lighting Packages	( 5 ) ( 10 !! )
Premium	289 kg (638 lb.)	10 Halogen Lights	4.5 kg (10 lb.)
Moldboard Impact-Absorption System	43 kg (95 lb.)	18 Halogen Lights	8 kg (18 lb.)
Ripper/Scarifier, Rear Mounted With Hitch and Ripper	1139 kg (2,510 lb.)	18 LED Lights	7 kg (16 lb.)
Shanks (3)		High-Front Light Bar for Snowplowing	20 kg (44 lb.)
Scarifier Shanks With Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)	Auxiliary Hydraulic Control Valve Section and Controls	7 kg (15 lb.)
Ripper Shanks and Teeth (2)	63 kg (139 lb.)	Hydraulics for Front-Mounted Equipment	9 kg (19 lb.)
Machine Dimensions		Machine Dimensions (continued)	
A Height to Top of Cab	3.18 m (10 ft. 5 in.)	F Wheelbase	6.16 m (20 ft. 3 in.)
A <sup>I</sup> Height to Top of Full-Height Cab	3.40 m (11 ft. 2 in.)	G Overall Length	8.89 m (29 ft. 2 in.)
B Height to Top of Exhaust	3.10 m (10 ft. 2 in.)	H Overall Length With Scarifier	9.69 m (31 ft. 9 in.)
C Height to Top of Blade-Lift Cylinders	3.05 m (10 ft. 0 in.)	I Overall Length With Push Block and Ripper	9.99 m (32 ft. 9 in.)
D Tandem Axle Spacing	1.54 m (5 ft. 1 in.)	I Overall Length With Scarifier and Ripper	10.59 m (34 ft. 9 in.)
E Blade Base	2.57 m (8 ft. 5 in.)	For Overall Width see Tires/Wheels on page 20.	





	772G/GP			
Manufacturer and Model	John Deere PowerTech <sup>™</sup> PSS 9.0L	John Deere PowerTech <sup>™</sup> Plus 9.0L	John Deere PowerTech™ 9.0L	
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II	
Cylinders	6	6	6	
Displacement	9.0L (548 cu. in.)	9.0L (548 cu. in.)	9.0L (548 cu. in.)	
Net Engine Power				
Gear 1	164 kW (220 hp)	164 kW (220 hp)	164 kW (220 hp)	
Gear 2	172 kW (230 hp)	172 kW (230 hp)	172 kW (230 hp)	
Gear 3	183 kW (245 hp)	179 kW (240 hp)	179 kW (240 hp)	
Gear 4	187 kW (250 hp)	183 kW (245 hp)	183 kW (245 hp)	
Gear 5	194 kW (260 hp)	187 kW (250 hp)	187 kW (250 hp)	
Gear 6	201 kW (270 hp)	194 kW (260 hp)	194 kW (260 hp)	
Gear 7	205 kW (275 hp)	201 kW (270 hp)	201 kW (270 hp)	
Gear 8	205 kW (275 hp)*	194 kW (260 hp)*	194 kW (260 hp)*	
Net Peak Torque	1379 Nm (1,029 lbft.)	1300 Nm (970 lbft.)	1300 Nm (970 lbft.)	
The second s	50%			
Net Torque Rise		57%	57%	
Aspiration	Series turbocharged, charge-air cooled	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled	
Lubrication	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral coole	
Air Cleaner With Restriction Indicator	Dual element, dry	Dual element, dry	Dual element, dry	
*6WD not available.				
Cooling				
Engine Coolant, Extended Life, Rating	–37 deg. C (–34 deg. F)			
Powertrain				
6-Wheel Drive	systems with variable-displacement pum 15-position rotary aggressiveness control	ncreases tractive effort and front-end cont ps, axial-piston wheel motors, and freewhee and inching capability down to 0 mph; preci	el at transport speeds; operator-selectable	
Effective Gears	1–7 forward and reverse			
Precision Mode	1.56			
Effective Gears		1–3 forward only		
	0.4–8.0 km/h (0.25–5.0 mph)			
Operating Speeds				
Hydrostatic Pumps (2 each)	60 cm <sup>3</sup> (3.7 cu. in.)			
Hydrostatic Pumps (2 each) Wheel Motors	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.)			
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction	60 ст <sup>3</sup> (3.7 си. in.) 60 ст <sup>3</sup> (3.7 си. in.) 38.7:1			
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup>	', modulated shift-on-the-go, Event-Based ation and cooling system with 117-L/min. (3		
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr			
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr 8			
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr			
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr 8		31 gpm) gear pump	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr 8 8			
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr 8 8 8 No tire slip at 2,180 rpm, 14.0-R24 tires	ation and cooling system with 117-L/min. (2	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph)	ation and cooling system with 117-L/min. (3	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph)	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph)	ation and cooling system with 117-L/min. (3   Gear 5   Gear 6   Gear 7	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus <sup>®</sup> transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication	ation and cooling system with 117-L/min. (3   Gear 5   Gear 6   Gear 7	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total)	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus" transmission reservoir with separate filtr 8 8 8 No tire slip at 2,180 rpm, 14.0-R24 tires 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg.	ation and cooling system with 117-L/min. (3   Gear 5   Gear 6   Gear 7	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction)	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus" transmission reservoir with separate filtr 8 8 8 No tire slip at 2,180 rpm, 14.0-R24 tires 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg.	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph)	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus" transmission reservoir with separate filtr 8 8 8 No tire slip at 2,180 rpm, 14.0-R24 tires 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutor	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 :h type can be applied on-the-go; selectabl	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) le manual or automatic differential lock	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus" transmission reservoir with separate filtr 8 8 8 No tire slip at 2,180 rpm, 14.0-R24 tires 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutor All-hydraulic power-frame articulation for	ation and cooling system with 117-L/min. (2 Gear 5 Gear 6 Gear 7 Gear 8 th type can be applied on-the-go; selectabl or maneuverability and productivity; crab si	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) le manual or automatic differential lock teering reduces side drift, positions	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus" transmission reservoir with separate filtr 8 8 8 No tire slip at 2,180 rpm, 14.0-R24 tires 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutor All-hydraulic power-frame articulation for	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 :h type can be applied on-the-go; selectabl	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) le manual or automatic differential lock teering reduces side drift, positions	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation)	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus" transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, cluto All-hydraulic power-frame articulation for tandems on firm ground, and increases s 7.21 m (284 in.) (23 ft. 8 in.)	ation and cooling system with 117-L/min. (2 Gear 5 Gear 6 Gear 7 Gear 8 th type can be applied on-the-go; selectabl or maneuverability and productivity; crab si	31 gpm] gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) le manual or automatic differential lock teering reduces side drift, positions	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation) Articulation (both right and left)	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus" transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. 5piral bevel; hydraulically actuated, clutoc All-hydraulic power-frame articulation for tandems on firm ground, and increases s 7.21 m (284 in.) (23 ft. 8 in.) 22 deg.	ation and cooling system with 117-L/min. (2 Gear 5 Gear 6 Gear 7 Gear 8 th type can be applied on-the-go; selectabl or maneuverability and productivity; crab st ide-slope stability; return-to-straight cont	31 gpm] gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) le manual or automatic differential lock teering reduces side drift, positions	
Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation)	60 cm <sup>3</sup> (3.7 cu. in.) 60 cm <sup>3</sup> (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus" transmission reservoir with separate filtr 8 8 8 <i>No tire slip at 2,180 rpm, 14.0-R24 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, cluto All-hydraulic power-frame articulation for tandems on firm ground, and increases s 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in com	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 th type can be applied on-the-go; selectabl or maneuverability and productivity; crab st ide-slope stability; return-to-straight cont oled, filtered oil multiple wet-disc brakes sealed in pressuria	31 gpm) gear pump No tire slip at 2,180 rpm, 14.0-R24 tires 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph) 45.5 km/h (28.3 mph) le manual or automatic differential lock teering reduces side drift, positions trol included in Grade Pro (GP) option	

# 772G/GP SPECIFICATIONS



Type Maximum Pump Flow Maximum System Pressure Pump Displacement	772G/GP	
Maximum System Pressure	Closed-center, pressure-compensated load-sensing (PC	CLS), variable-displacement piston pump
	212 L/min. (56 gpm)	
Pump Dicplacement	18 961 kPa (2,750 psi)	
Pump Displacement	90 cm³ (5.5 cu. in.)	
Blade Function		
All-hydraulic, industry-standard lever pla	cement of blade-function controls; includes float position; 7	discrete saddle positions
Blade Range		
Lift Above Ground	490 mm (19.3 in.)	
Blade Side Shift (right or left)	683 mm (26.9 in.)	
Pitch at Ground Line		
Forward	42 deg.	
Back	5 deg.	
Shoulder Reach Outside Wheels (frame	2083 mm (82.0 in.) (6 ft. 10 in.)	
straight, right or left)	00 L	
Bank Cut Angle (right or left)	90 deg.	
Blade Pull	22 (52 1- ((0500 11-)	
At Maximum Operating Weight Electrical	22 453 kg (49,500 lb.)	
Electrical Solid-state load center and sealed-switch		
module	EPA Final Tier 4/EU Stage V	EDA Tion 3/ELL Stage IIIA and EDA Tion 3/ELL Stage "
Voltage	24 volt	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II 24 volt
Number of Batteries	2	2
Battery Capacity	1,400 CCA	2 1.400 CCA
Reserve Capacity	440 min.	440 min.
Amp-Hour Rating	224 amp-hour	224 amp-hour
Alternator Rating	224 amp-110a	224 amp-nou
Base	130 amp	100 amp
Optional	200 amp	130 amp
Lights		nts; front and rear LED turn signals and marker lights; LED b
· · · · · · · · · · · · · · · · · · ·	and hazard warning lights	its, none and real EED tarm signals and marker lights, EED b
Mainframe		
Туре	Welded box construction	
Width (minimum)	307 mm (12.1 in.)	
Height (minimum)	307 mm (12,1 in.)	
Thickness		
Side	16 mm (0.63 in.)	
Top and Bottom Plate	23 mm (0.89 in.)	
Modulus		
Minimum Vertical Section	1770 cm <sup>3</sup> (108 cu. in.)	
Average Vertical Section at Saddle	2245 cm <sup>3</sup> (137 cu. in.)	
Draft Frame (drawbar)		
	atness with double ball-and-socket pivot connection	
Circle		
Welded construction, heat-treated, mach		
	Standard Circle	Premium Circle
Circle Diameter	1524 mm (60 in.)	1524 mm (60 in.)
Rotation	360 deg.	360 deg.
	Quick-change bronze or nylon wear inserts	Sealed and lubricated roller element slewing bearing
Surface	Adjustable backlash and open for serviceability	No adjustment; fully sealed and lubricated
Pinion/Ring-Gear Connection	Hydraulic motor and worm gear with positive lock	Hydraulic motor and worm gear with positive lock
Pinion/Ring-Gear Connection Drive	Option	Standard
Pinion/Ring-Gear Connection Drive Slip Clutch		a series of the second s
Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left)	787 mm (31 in.)	787 mm (31 in.)
Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard	787 mm (31 in.)	
Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher str	787 mm (31 in.) rength, wear-resistant, high-carbon steel and reversible end	
Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) <b>Moldboard</b> High-strength, pre-stressed for higher str replaceable wear inserts and quick-adjust	787 mm (31 in.) rength, wear-resistant, high-carbon steel and reversible end jackscrew system	
Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) <b>Moldboard</b> High-strength, pre-stressed for higher str replaceable wear inserts and quick-adjust Base Length	787 mm (31 in.) rength, wear-resistant, high-carbon steel and reversible end jackscrew system 3.66 m (144 in.) (12 ft. 0 in.)	
Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) <b>Moldboard</b> High-strength, pre-stressed for higher str replaceable wear inserts and quick-adjust Base Length Height (measured along arc, including	787 mm (31 in.) rength, wear-resistant, high-carbon steel and reversible end jackscrew system	
Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) <b>Moldboard</b> High-strength, pre-stressed for higher str replaceable wear inserts and quick-adjust Base Length	787 mm (31 in.) rength, wear-resistant, high-carbon steel and reversible end jackscrew system 3.66 m (144 in.) (12 ft. 0 in.)	

# 772G/GP

4

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Cutting Edge	772G/GP			
Dura-Max <sup>™</sup> through-hardened steel edge				
Thickness	16 mm (0.62 in.)			
Width	152 mm (6 in.)			
Scarifiers				
	Front		Mid-mount	
Туре	V-type toolbar with 2-pitch positions and hydraulic float		Radial linkage, with NeverGrease <sup>™</sup> pin joints; V-type manu	
			3-pitch positions a	nd hydraulic float
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)		1.19 m (46.7 in.) (3 f	t. 11 in.)
Number of Shanks/Teeth	5 (maximum capacity 9)		11	
Lift Above Ground	589 mm (23.2 in.)		335 mm (13.2 in.)	
Maximum Depth	335 mm (13.2 in.)		325 mm (12.8 in.)	
Shank	555 mm (1512 mm)		525 1111 (12:0 111)	
Spacing	146 mm (5.75 in.)		117 mm (4.6 in.)	
Size	25 x 76 mm (1 x 3 in.)		25 x 76 mm (1 x 3 ir	
Front Lift Group (Balderson-style)	25 % 76 mm (1 % 5 m.)		25 x 70 mm (1 x 5 m	.,
Parallel linkage, mechanical pins, and hydraul	ic float			
	ic float			
Lift	1064 (22.4 )			
Above Ground (top of tube)	1864 mm (73.4 in.)			
Range	988 mm (38.9 in.)			
Rear Ripper/Scarifier				
Parallel linkage, with NeverGrease pin joints,				
	Ripper		Scarifier	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)		2.18 m (86 in.) (7 ft. 2 in.)	
Number of Shanks/Teeth	3 (maximum capacity 5)		None standard (ma	aximum capacity 9)
Lift Above Ground	602 mm (23.7 in.)		810 mm (31.9 in.)	
Maximum Depth	426 mm (16.8 in.)		323 mm (12.7 in.)	
Force				
Penetration	9863 kg (21,745 lb.)		2000000000	
Pry-Out	14 368 kg (31,676 lb.)			
Shank Size	61.5 x 133 mm (2.42 x 5.25 in.)		25 x 76 mm (1 x 3 ir	1
Operator Station			25 x 70 mm (1 x 5 m	
Low-profile cab with ROPS (ISO 3471-2008) a	na FOPS (ISO 3449-2005)			
Tires/Wheels	1/02/ 25/ (10) LD:	175025 256	(1/ )	550 (550-55 (22) (17) 10)
	14R24 on 254-mm (10 in.) Rim	17.5R25 on 356-mm	(14 in.) Rim	550/65R25 on 432-mm (17 in.) Rim
Wheel Tread on Ground	2.08 m (82.0 in.)	2.16 m (85.0 in.)		2.21 m (87.0 in.)
Overall Width	2.49 m (98.0 in.)	2.64 m (104.0 in.)		2.82 m (111.0 in.)
Ground Clearance (front axle)	587 mm (23.1 in.)	587 mm (23.1 in.)		612 mm (24.1 in.)
Serviceability				
Refill Capacities	EPA Final Tier 4/EU Stage V			ge IIIA and EPA Tier 2/EU Stage II
Fuel Tank	416.5 L (110 gal.)		416.5 L (110 gal.)	
Diesel Exhaust Fluid (DEF) Tank	22.5 L (6 gal.)		-	
Cooling System	55.0 L (14.5 gal.)		48.5 L (12.8 gal.)	
Engine Oil With Filter	28.4 L (7.5 gal.)		28.0 L (7.4 gal.)	
	20.4 L (7.3 Udl.)		20.0 L 17.4 ual.7	
PERFORMANCE AND A CONTRACT OF A CONTRACT				
Transmission Fluid	28.4 L (7.5 gal.)		28.4 L (7.5 gal.)	
Transmission Fluid Differential Housing	28.4 L (7.5 gal.) 38.0 L (10 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.)	
Transmission Fluid Differential Housing Tandem Housings (each)	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)	
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)	
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x % in.) Cutting	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x % in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.)	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.)	ge IIIA and EPA Tier 2/EU Stage II
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Derating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x ½ in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) EPA Final Tier 4/EU Stage V		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.)	ge IIIA and EPA Tier 2/EU Stage II 5.)
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Derating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x % in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) <i>EPA Final Tier 4/EU Stage V</i> 4939 kg (10,888 lb.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.) EPA Tier 3/EU Sta 4944 kg (10,900 lb	b.)
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x ½ in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) <i>EPA Final Tier 4/EU Stage V</i> 4939 kg (10,888 lb.) 12 592 kg (27,760 lb.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.) EPA Tier 3/EU Sta 4944 kg (10,900 lt 11 948 kg (26,340	s.) Ib.)
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir <b>Operating Weights</b> With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x 5/4 in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) <i>EPA Final Tier 4/EU Stage V</i> 4939 kg (10,888 lb.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.) EPA Tier 3/EU Sta 4944 kg (10,900 lb	s.) Ib.)
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x 5/4 in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total Typical Operating Weight With Front Push	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) <i>EPA Final Tier 4/EU Stage V</i> 4939 kg (10,888 lb.) 12 592 kg (27,760 lb.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.) EPA Tier 3/EU Sta 4944 kg (10,900 lt 11 948 kg (26,340	s.) Ib.)
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x ½ in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) <i>EPA Final Tier 4/EU Stage V</i> 4939 kg (10,888 lb.) 12 592 kg (27,760 lb.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.) EPA Tier 3/EU Sta 4944 kg (10,900 lt 11 948 kg (26,340	s.) Ib.)
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x 5⁄8 in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) <i>EPA Final Tier 4/EU Stage V</i> 4939 kg (10,888 lb.) 12 592 kg (27,760 lb.) 17 530 kg (38,648 lb.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.) 53.0 L (14 gal.) <i>EPA Tier 3/EU Sta</i> 4944 kg (10,900 lt 11 948 kg (26,340 16 892 kg (37,240 l	b.)  b.)  b.)
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir <b>Operating Weights</b> With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x 5⁄8 in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) <i>EPA Final Tier 4/EU Stage V</i> 4939 kg (10,888 lb.) 12 592 kg (27,760 lb.) 17 530 kg (38,648 lb.) 6307 kg (13,905 lb.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.) 53.0 L (14 gal.) <i>EPA Tier 3/EU Sta</i> 4944 kg (10,900 lt 11 948 kg (26,340 16 892 kg (37,240 l 6343 kg (13,985 lb.	).)  b.)  b.)
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x 5⁄k in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front Rear	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) <i>EPA Final Tier 4/EU Stage V</i> 4939 kg (10,888 lb.) 12 592 kg (27,760 lb.) 17 530 kg (38,648 lb.) 6307 kg (13,905 lb.) 14 193 kg (31,290 lb.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.) 53.0 L (14 gal.) 63.4 kg (10,900 lk 11 948 kg (26,340 16 892 kg (37,240 l 63.4 kg (13,985 lb. 13 547 kg (29,865 l	).) b.) b.) b.)
Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboards With 152-mm x 16-mm (6 in. x 5⁄8 in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front	28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) <i>EPA Final Tier 4/EU Stage V</i> 4939 kg (10,888 lb.) 12 592 kg (27,760 lb.) 17 530 kg (38,648 lb.) 6307 kg (13,905 lb.)		28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.) 53.0 L (14 gal.) <i>EPA Tier 3/EU Sta</i> 4944 kg (10,900 lt 11 948 kg (26,340 16 892 kg (37,240 l 6343 kg (13,985 lb.	).) b.) b.) b.) lb.)

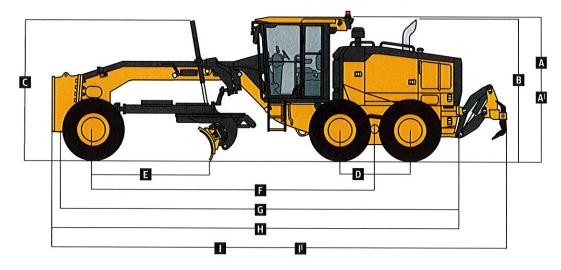
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# 772G/GP

Option Weights	772G/GP
Moldboards With Through-Hardened Dura-Max	
Cutting Edge	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x 1/8 in.)	
with 152-mm x 16-mm (6 in. x ½ in.) cutting edg	ge
and 16-mm (¾ in.) hardware	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x 1/2 in.)	
with 203-mm x 19-mm (8 in. x ¾ in.) cutting ed	ge
and 16-mm (¾ in.) hardware	
3.96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.)	180 kg (396 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting ed	ge
and 16-mm (% in.) hardware	
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ½ in.	
with 152-mm x 16-mm (6 in. x ½ in.) cutting edg	ge
and 16-mm (% in.) hardware	
4.27 m x 610 mm x 22 mm (14 ft, x 24 in, x <sup>7</sup> / <sub>9</sub> in,	
with 203-mm x 19-mm (8 in. x ¾ in.) cutting ed and 16-mm (¾ in.) hardware	ge
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting ed	
and 16-mm (% in.) hardware	96
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	261 kg (575 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting ed	201 kg (575 lb.)
and 19-mm (¾ in.) hardware	ge
Extensions, 610 mm (2 ft.) (right or left)	
For Use With 610-mm (24 in.) Moldboards	116 kg (255 lb.)
For Use With 686-mm (27 in.) Moldboards	120 kg (265 lb.)
Overlay End Bits, Reversible (one pair)	120 kg (205 15.)
For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)
For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)
Heavy-Duty Dual-Input Circle-Drive Gearbox	14 kg (31 lb.)
Circle-Drive Slip Clutch	9 kg (20 lb.)
Circle	5 kg (2010.)
Standard	0 kg (0 lb.)
Premium	289 kg (638 lb.)
Moldboard Impact-Absorption System	43 kg (95 lb.)
Ripper/Scarifier, Rear Mounted With Hitch and Ripp	
Shanks (3)	per 1155 kg (2,510 lb.)
Scarifier Shanks With Teeth (9 for rear ripper/scarifi	ier) 68 kg (150 lb.)
Ripper Shanks and Teeth (2)	63 kg (139 lb.)
Rear Counterweight With Integral Rear Hitch	727 kg (1,603 lb.)
Machine Dimensions	727 kg (1,005 lD.)
A Height to Top of Cab	3.18 m (10 ft. 5 in.)
A Height to Top of Full-Height Cab	3.40 m (11 ft. 2 in.)
B Height to Top of Exhaust	3.10 m (10 ft. 2 in.)
C Height to Top of Blade-Lift Cylinders	3.05 m (10 ft. 0 in.)
D Tandem Axle Spacing	1.54 m (5 ft. 1 in.)
E Blade Base	2.57 m (8 ft. 5 in.)
	2.57 m (8 ft. 5 m.)

Option Weights (continued)	772G/GP	
Rear Hitch	54.4 kg (120 lb.)	
Push Block, Front	1338 kg (2,950 lb.)	
Scarifier		
Front Mount With Teeth (5)	831 kg (1,833 lb.)	
Mid-Mount With Teeth (11)	1481 kg (3,265 lb.)	
Front Lift Group (Balderson-style)	763 kg (1,682 lb.)	
Tires		
14.00-24, 12 PR G2	-220.4 kg (-486 lb.)	
17.5-25, 12 PR G2/L2	–106 kg (–234 lb.)	
14.00-R24, Radial, G2/L2 General Purpose	0 kg (0 lb.)	
14.00-R24, Radial, G2/L2 Snow	40.8 kg (90 lb.)	
17.5-R25, Radial, L2 General Purpose	51.7 kg (114 lb.)	
17.5-R25, Radial, G2/L2 Snow	95.3 kg (210 lb.)	
17.5-R25, Radial, G3/L3 General Purpose	141.5 kg (312 lb.)	
550/65R25 XLD70 G3/L3 Radial, General Purpose	495.3 kg (1,092 lb.)	
Multi-Piece Rims		
254 mm x 610 mm (10 in. x 24 in.)	0 kg (0 lb.)	
356 mm x 635 mm (14 in. x 25 in.)	85.3 kg (188 lb.)	
432 mm x 635 mm (17 in. x 25 in.)	131.6 kg (290 lb.)	
Fenders		
Front	99 kg (218 lb.)	
Rear	141 kg (310 lb.)	
Low Cab With Opening Front and Side Windows	14.5 kg (32 lb.)	
Premium Air-Suspension, Heated Seat With Adjustable Arm- and Headrests	13 kg (28 lb.)	
Coolant Heater	4 kg (9 lb.)	
Quick Service	11 kg (24 lb.)	
Sound-Absorption Package (machines equipped with	14 kg (31 lb.)	
Tier 3/Stage IIIA and Tier 2/Stage II engines only)	261 (2011)	
Secondary Steering	26 kg (58 lb.)	
Beacon Bracket	8 kg (18 lb.)	
Fire Extinguisher	14.5 kg (32 lb.)	
Lighting Packages	( 51 (10 " )	
10 Halogen Lights	4.5 kg (10 lb.)	
18 Halogen Lights	8 kg (18 lb.)	
18 LED Lights	7 kg (16 lb.)	
High-Front Light Bar for Snowplowing	20 kg (44 lb.)	
Auxiliary Hydraulic Control Valve Section and Controls	7 kg (15 lb.)	
Hydraulics for Front-Mounted Equipment	9 kg (19 lb.)	
Machine Dimensions (continued) F Wheelbase	616 m (20 ft 2 tr )	
	6.16 m (20 ft. 3 in.)	
G Overall Length	8.89 m (29 ft. 2 in.)	
H Overall Length With Scarifier Overall Length With Push Block and Ripper	9.69 m (31 ft. 9 in.)	
I Overall Length With Push Block and Ripper I Overall Length With Scarifier and Ripper	9.99 m (32 ft. 9 in.)	
For Overall Width see Tires (Wheels on page 24	10.59 m (34 ft. 9 in.)	

For Overall Width see Tires/Wheels on page 24.







Engine	872G/GP		
Manufacturer and Model	John Deere PowerTech™ PSS 9.0L	John Deere PowerTech™ Plus 9.0L	John Deere PowerTech™ 9.0L
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Cylinders	6	6	6
Displacement	9.0L (548 cu. in.)	9.0L (548 cu. in.)	9.0L (548 cu. in.)
Net Engine Power			
Gear 1	183 kW (245 hp)	179 kW (240 hp)	179 kW (240 hp)
Gear 2	190 kW (255 hp)	187 kW (250 hp)	187 kW (250 hp)
Gear 3	201 kW (270 hp)	194 kW (260 hp)	and the second
Gear 4	•		194 kW (260 hp)
	205 kW (275 hp)	198 kW (265 hp)	198 kW (265 hp)
Gear 5	212 kW (285 hp)	201 kW (270 hp)	201 kW (270 hp)
Gear 6	220 kW (295 hp)	209 kW (280 hp)	209 kW (280 hp)
Gear 7	224 kW (300 hp)	209 kW (280 hp)	209 kW (280 hp)
Gear 8	224 kW (300 hp)*	209 kW (280 hp)*	209 kW (280 hp)*
Net Peak Torque	1472 Nm (1,097 lbft.)	1330 Nm (991 lbft.)	1330 Nm (991 lbft.)
Net Torque Rise	46%	48%	48%
Aspiration	Series turbocharged, charge-air cooled	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled
Lubrication	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral coole
Air Cleaner With Restriction Indicator	Dual element, dry	Dual element, dry	Dual element, dry
*6WD not available.		baar clement, ary	budi cicilicit, dry
Cooling			
Engine Coolant, Extended Life, Rating	27 dog C/ 24 dog El		
	–37 deg. C (–34 deg. F)		
Powertrain 6-Wheel Drive			
	systems with variable-displacement pump 15-position rotary aggressiveness control	ncreases tractive effort and front-end cont ps, axial-piston wheel motors, and freewhe and inching capability down to 0 mph; preci	el at transport speeds; operator-selectable
Effective Gears	1–7 forward and reverse		
Precision Mode			
Effective Gears	1–3 forward only		
Operating Speeds	0.4-8.0 km/h (0.25-5.0 mph)		
Hydrostatic Pumps (2 each)	60 cm <sup>3</sup> (3.7 cu. in.)		
Wheel Motors	60 cm <sup>3</sup> (3.7 cu. in.)		
Final Reduction	38.7:1		
Transmission	Direct-drive John Deere PowerShift Plus"	', modulated shift-on-the-go, Event-Based ation and cooling system with 121-L/min. (2	
Gears			51 . 5 1 1
Forward	8		
Reverse	8		
Maximum Travel Speeds	No tire slip at 2,180 rpm, 17.5-R25 tires		No tire clip at 2100 com 175 D25 tires
Gear 1	4.0 km/h (2.5 mph)	L Court	No tire slip at 2,180 rpm, 17.5-R25 tires
Gear 2		Gear 5	16.7 km/h (10.4 mph)
a statistic statistic and statistic statistics and statistics	5.6 km/h (3.5 mph)	Gear 6	23.2 km/h (14.5 mph)
Gear 3	7.9 km/h (4.9 mph)	Gear 7	32.1 km/h (20.0 mph)
Gear 4	10.9 km/h (6.8 mph)	Gear 8	45.0 km/h (28.0 mph)
Front Axle	Heavy-duty welded fabrication		
Oscillation (total)	32 deg.		
Wheel Lean Angle (each direction)	20 deg.		
Differentials	3	h type can be applied on-the-go; selectabl	le manual or automatic differential lock
Steering (all models include		or maneuverability and productivity; crab si	
steering wheel) Turning Radius (front steer and articulation)		ide-slope stability; return-to-straight cont	
Articulation (both right and left)	22 deg.		
Final Drives	Inboard-mounted planetary sealed in coo	oled, filtered oil	
Brakes		nultiple wet-disc brakes sealed in pressuriz	zed, cooled, filtered oil; both independen
Primary and Secondary Brakes Parking Brake	Hydraulically actuated, inboard of tander	, m pivot, self-adjusting, sealed in cooled an ly released, oil cooled, self-adjusting (ISO 3	

# STZG/GP SPECIFICATIONS



Hydraulics	872G/GP		
Туре	Closed-center, pressure-compensated load-sensing (PC	LS), variable-displacement piston pump	
Maximum Pump Flow	218 L/min. (57.5 gpm)		
Maximum System Pressure	18 961 kPa (2,750 psi)		
Pump Displacement	90 cm³ (5,5 cu. in.)		
Blade Function			
All-hydraulic, industry-standard lever place	ment of blade-function controls; includes float position; 7 (	discrete saddle positions	
Blade Range			
Lift Above Ground	452 mm (17.8 in.)		
Blade Side Shift (right or left)	683 mm (26.9 in.)		
Pitch at Ground Line			
Forward	42 deg.		
Back	5 deg.		
Shoulder Reach Outside Wheels (frame	2329 mm (91.7 in.) (7 ft. 8 in.)		
straight, right or left)			
Bank Cut Angle (right or left)	90 deg.		
Blade Pull			
At Maximum Operating Weight	22 453 kg (49,500 lb.)		
Electrical			
Solid-state load center and sealed-switch			
module	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II	
Voltage	24 volt	24 volt	
Number of Batteries	2	2	
Battery Capacity	1,400 CCA	1,400 CCA	
Reserve Capacity	440 min.	440 min.	
Amp-Hour Rating	224 amp-hour	224 amp-hour	
Alternator Rating			
Base	130 amp	100 amp	
Optional	200 amp	130 amp	
Lights		ts; front and rear LED turn signals and marker lights; LED bra	
	and hazard warning lights		
Mainframe			
Туре	Welded box construction		
Width (minimum)	307 mm (12.1 in.)		
Height (minimum)	307 mm (12.1 in.)		
Thickness			
Side	16 mm (0.63 in.)		
Top and Bottom Plate	30 mm (1.17 in.)		
Modulus			
Minimum Vertical Section	1770 cm <sup>3</sup> (108 cu. in.)		
Average Vertical Section at Saddle			
	2635 cm <sup>3</sup> (161 cu. in.)		
Draft Frame (drawbar)	2635 Cm² (161 Cu. In.)		
Welded box construction machined for flat	ress with double ball-and-socket pivot connection		
Welded box construction machined for flati Circle	ness with double ball-and-socket pivot connection		
Draft Frame (drawbar) Welded box construction machined for flatı Circle Welded construction, heat-treated, machin	ness with double ball-and-socket pivot connection	Premium Circle	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin	ness with double ball-and-socket pivot connection ed for flatness	Premium Circle 1524 mm (60 in.)	
Welded box construction machined for flatı Circle Welded construction, heat-treated, machin Circle Diameter	ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.)	1524 mm (60 in.)	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation	ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg.	1524 mm (60 in.) 360 deg.	
Welded box construction machined for flatı Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface	ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts	1524 mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection	ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive	ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch	ness with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left)	ness with double ball-and-socket pivot connection ed for flatness <i>Standard Circle</i> 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard	ness with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.)	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher stree	ness with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) ngth, wear-resistant, high-carbon steel and reversible end l	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher stre replaceable wear inserts and quick-adjust ja	ness with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) ngth, wear-resistant, high-carbon steel and reversible end l	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher strei replaceable wear inserts and quick-adjust ja Base Length	ness with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) ngth, wear-resistant, high-carbon steel and reversible end l ackscrew system 4.27 m (168 in.) (14 ft. 0 in.)	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)	
Welded box construction machined for flat Circle Welded construction, heat-treated, machin Circle Diameter Rotation Surface Pinion/Ring-Gear Connection Drive Slip Clutch Circle Side Shift (right and left) Moldboard High-strength, pre-stressed for higher stre replaceable wear inserts and quick-adjust ja	ness with double ball-and-socket pivot connection ed for flatness Standard Circle 1524 mm (60 in.) 360 deg. Quick-change bronze or nylon wear inserts Adjustable backlash and open for serviceability Hydraulic motor and worm gear with positive lock Option 787 mm (31 in.) ngth, wear-resistant, high-carbon steel and reversible end l	1524mm (60 in.) 360 deg. Sealed and lubricated roller element slewing bearing No adjustment; fully sealed and lubricated Hydraulic motor and worm gear with positive lock Standard 787mm (31 in.)	

# 872G/GP

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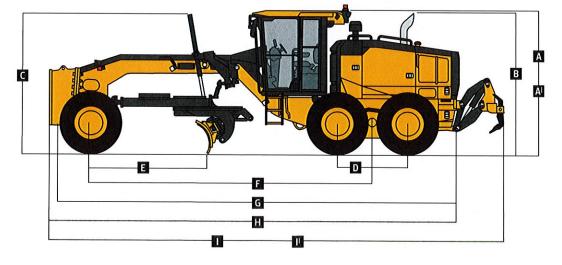
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Cutting Edge	872G/GP			
Dura-Max <sup>™</sup> through-hardened steel edge Thickness	10 mm (075 in )			
Width	19 mm (0.75 in.)			
Width Scarifiers	203 mm (8 in.)			
Scamillis	Front		Mid-mount	
Туре	V-type toolbar with 2-pitch positions and	avdraulic float		h NeverGrease <sup>™</sup> pin joints
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)	iyulaulic Hoat	1.19 m (46.7 in.) (3	
Number of Shanks/Teeth			1.19 m (46.7 in.) (3 ]]	rt. (f (f).)
	5 (maximum capacity 9)			
Lift Above Ground	589 mm (23.2 in.)		335 mm (13.2 in.)	
Maximum Depth	335 mm (13.2 in.)		325 mm (12.8 in.)	
Shank	110			
Spacing	146 mm (5.75 in.)		117 mm (4.6 in.)	
Size	25 x 76 mm (1 x 3 in.)		25 x 76 mm (1 x 3 ii	n.)
Front Lift Group (Balderson-style)				
Parallel linkage, mechanical pins, and hydraul	ic float			
Lift				
Above Ground (top of tube)	1864 mm (73.4 in.)			
Range	988 mm (38.9 in.)			
Rear Ripper/Scarifier				
Parallel linkage, with NeverGrease pin joints,				
	Ripper		Scarifier	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)		2.18 m (86 in.) (7 f	t. 2 in.)
Number of Shanks/Teeth	3 (maximum capacity 5)		None standard (maximum capacity 9)	
Lift Above Ground	602 mm (23.7 in.)		810 mm (31.9 in.)	
Maximum Depth	426 mm (16.8 in.)		323 mm (12.7 in.)	
Force				
Penetration	10 483 kg (23,110 lb.)			
Pry-Out	14 843 kg (32,724 lb.)		<u></u>	
Shank Size	61.5 x 133 mm (2.42 x 5.25 in.)		25 x 76 mm (1 x 3 in.)	
Operator Station				
Low-profile cab with ROPS (ISO 3471-2008) a	nd FOPS (ISO 3449-2005)			
Tires/Wheels				
	17.5R25 on 356-mm (14 in.) Rim 55	0/65R25 on 432-	mm (17 in ) Pim	20.5R25 on 432-mm (17 in.) Rim
Wheel Tread on Ground		21 m (87.0 in.)	1010 (17 m.) Kun	2.32 m (92 in.)
Overall Width		82 m (111.0 in.)		2.80 m (110 in.)
Ground Clearance (front axle)		2 mm (24.1 in.)		640 mm (25.2 in.)
Serviceability		2 11111 (24.1111.)		
	EPA Final Tier 4/EU Stage V		EDA Tion 2/EU Ch-	an IIIA and EDA Tion 2/ELI Stars !!
Refill Capacities				ge IIIA and EPA Tier 2/EU Stage II
Fuel Tank	416.5 L (110 gal.)		416.5 L (110 gal.)	
Diesel Exhaust Fluid (DEF) Tank	22.5 L (6 gal.)		-	
Cooling System	55.0 L (14.5 gal.)		48.5 L (12.8 gal.)	
Engine Oil With Filter	28.4 L (7.5 gal.)		28.0 L (7.4 gal.)	
Transmission Fluid	23.5 L (6.2 gal.)		28.4 L (7.5 gal.)	
Differential Housing	38.0 L (10 gal.)		38.0 L (10 gal.)	
Tandem Housings (each)	74.0 L (19.5 gal.)		74.0 L (19.5 gal.)	
Circle Gearbox	5.7 L (1.5 gal.)		5.7 L (1.5 gal.)	
Hydraulic Reservoir	60.5 L (16 gal.)		53.0 L (14 gal.)	
Operating Weights				
With Full Fuel Tank, 4.27-m x 686-mm x 25-mm (14 ft. x 27 in. x 1.0 in.) Moldboard With 203-mm x 19-mm (8 in. x ¾ in.) Cutting				
Edges, 17.5R25 L2 Tires, and 79-kg (175 lb.)				
Operator	EPA Final Tier 4/EU Stage V		EPA Tier 3/EU Sta	ge IIIA and EPA Tier 2/EU Stage II
Front	5110 kg (11,266 lb.)		5119 kg (11,285 lb.)	
Rear	12 902 kg (28,444 lb.)	12 254 kg (27,015 lb.)		
Total	18 012 kg (39,710 lb.)		17 372 kg (38,300	
Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment			1 312 Ng (30,300 1	19-1
Front	6516 kg (14,365 lb.)		6573 kg (14,490 lb	.)
Rear	15 084 kg (33,255 lb.)		14 152 kg (31,200 li	
			20 725 kg (45 690	h)
Total Maximum Operating Weight	21 600 kg (47,620 lb.) 24 948 kg (55,000 lb.)		20 725 kg (45,690 24 948 kg (55,000	

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# 872G/GP

Option Weights	872G/GP	Option Weights (continued)	872G/GP
Moldboards With Through-Hardened Dura-Max		Scarifier	
Cutting Edge		Front Mount With Teeth (5)	831 kg (1,833 lb.)
3.96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.)	-72 kg (-159 lb.)	Mid-Mount With Teeth (11)	1481 kg (3,265 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge		Front Lift Group (Balderson-style)	763 kg (1,682 lb.)
and 16-mm (% in.) hardware		Tires	
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	0 kg (0 lb.)	17.5-R25, Radial, L2 General Purpose	0 kg (0 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	3.	17.5-R25, Radial, G2/L2 Snow	43.5 kg (96 lb.)
and 16-mm (% in.) hardware		17.5-R25, Radial, G3/L3 General Purpose	90 kg (198 lb.)
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	9.5 kg (21 lb.)	550/65R25 XLD70 G3/L3 Radial, General Purpose	444 kg (978 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	515 kg (21151)	20.5-R25, Radial, L2 Snow	414 kg (913 lb.)
and 19-mm (¾ in.) hardware		20.5-R25, Radial, L2 General Purpose	474 kg (1,045 lb.)
4.88 m x 686 mm x 25 mm (16 ft. x 27 in. x 1 in.)	137 kg (302 lb.)	Multi-Piece Rims	
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	157 kg (502 lb.)	356 mm x 635 mm (14 in. x 25 in.)	0 kg (0 lb.)
and 19-mm (¾ in.) hardware		432 mm x 635 mm (17 in. x 25 in.)	46 kg (102 lb.)
Extensions, 610 mm (2 ft.) (right or left)		Fenders	
For Use With 686-mm (27 in.) Moldboards	120 kg (265 lb.)	Front	99 kg (218 lb.)
Overlay End Bits, Reversible (one pair)	120 Kg (205 ID.)	Rear	141 kg (310 lb.)
	1051 ((211))	Low Cab With Opening Front and Side Windows	14.5 kg (32 lb.)
For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)	Premium Air-Suspension, Heated Seat With Adjustable	13 kg (28 lb.)
For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)	Arm- and Headrests	
Heavy-Duty Dual-Input Circle-Drive Gearbox	14 kg (31 lb.)	Coolant Heater	4 kg (9 lb.)
Circle-Drive Slip Clutch	9 kg (20 lb.)	Quick Service	11 kg (24 lb.)
Circle		Sound-Absorption Package (machines equipped with Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 kg (31 lb.)
Standard	0 kg (0 lb.)	Secondary Steering	26 kg (58 lb.)
Premium	255 kg (562 lb.)	Beacon Bracket	8 kg (18 lb.)
Moldboard Impact-Absorption System	43 kg (95 lb.)	Fire Extinguisher	14.5 kg (32 lb.)
Ripper/Scarifier, Rear Mounted With Hitch and Ripper	1139 kg (2,510 lb.)	Lighting Packages	14.5 Kg (52 ID.)
Shanks (3)		10 Halogen Lights	4.5 kg (10 lb.)
Scarifier Shanks With Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)	18 Halogen Lights	8 kg (18 lb.)
Ripper Shanks and Teeth (2)	63 kg (139 lb.)	18 LED Lights	7 kg (16 lb.)
Rear Counterweight With Integral Rear Hitch	727 kg (1,603 lb.)	High-Front Light Bar for Snowplowing	20 kg (44 lb.)
Rear Hitch	54.4 kg (120 lb.)	Auxiliary Hydraulic Control Valve Section and Controls	7 kg (15 lb.)
Push Block, Front	1338 kg (2,950 lb.)	Hydraulics for Front-Mounted Equipment	9 kg (19 lb.)
Machine Dimensions	2	Machine Dimensions (continued)	5 (19 (15 10.)
A Height to Top of Cab	3.18 m (10 ft, 5 in.)	F Wheelbase	6.16 m (20 ft, 3 in.)
Height to Top of Full-Height Cab	3.40 m (11 ft, 2 in.)	G Overall Length	8.89 m (29 ft. 2 in.)
B Height to Top of Exhaust	3.13 m (10 ft. 3 in.)	H Overall Length With Scarifier	9.69 m (31 ft. 9 in.)
C Height to Top of Blade-Lift Cylinders	3.05 m (10 ft. 0 in.)	I Overall Length With Push Block and Ripper	9.99 m (32 ft. 9 in.)
D Tandem Axle Spacing	1.54 m (5 ft. 1 in.)	I <sup>I</sup> Overall Length With Scarifier and Ripper	10.59 m (34 ft. 9 in.)
E Blade Base	2.53 m (8 ft, 4 in.)	For Overall Width see Tires/Wheels on page 28.	10.00 11 (04 10. 0 11.)



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.

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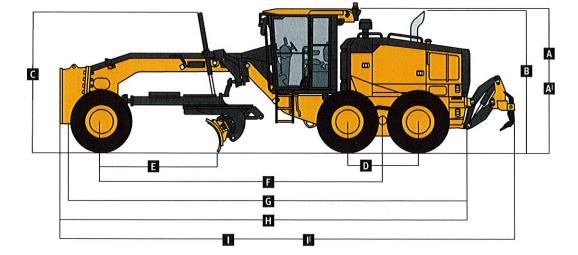
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## 872G/GP

	Option Weights	872G/GP
	Moldboards With Through-Hardened Dura-Max	
	Cutting Edge	
	3.96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.)	–72 kg (–159 lb.)
	with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	
	and 16-mm (¾ in.) hardware	
	4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	0 kg (0 lb.)
	with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	
	and 16-mm (¾ in.) hardware	
	4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	9.5 kg (21 lb.)
	with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	
	and 19-mm (¾ in.) hardware	
	4.88 m x 686 mm x 25 mm (16 ft. x 27 in. x 1 in.)	137 kg (302 lb.)
	with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	
	and 19-mm (¾ in.) hardware	
	Extensions, 610 mm (2 ft.) (right or left)	
	For Use With 686-mm (27 in.) Moldboards	120 kg (265 lb.)
	Overlay End Bits, Reversible (one pair)	
	For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)
	For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)
	Heavy-Duty Dual-Input Circle-Drive Gearbox	14 kg (31 lb.)
	Circle-Drive Slip Clutch	9 kg (20 lb.)
	Circle	01 (011)
	Standard	0 kg (0 lb.)
	Premium	255 kg (562 lb.)
	Moldboard Impact-Absorption System	43 kg (95 lb.)
	Ripper/Scarifier, Rear Mounted With Hitch and Ripper Shanks (3)	1139 kg (2,510 lb.)
	Scarifier Shanks With Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
	Ripper Shanks and Teeth (2)	63 kg (139 lb.)
	Rear Counterweight With Integral Rear Hitch	727 kg (1,603 lb.)
	Rear Hitch	54.4 kg (120 lb.)
	Push Block, Front	1338 kg (2,950 lb.)
ł	Machine Dimensions	1558 kg (2,550 lb.)
	A Height to Top of Cab	3.18 m (10 ft, 5 in,)
	A <sup>I</sup> Height to Top of Full-Height Cab	3.40 m (11 ft. 2 in.)
	B Height to Top of Exhaust	3.13 m (10 ft. 3 in.)
	C Height to Top of Blade-Lift Cylinders	3.05 m (10 ft. 0 in.)
	D Tandem Axle Spacing	1.54 m (5 ft. 1 in.)
	E Blade Base	2.53 m (8 ft. 4 in.)

Option Weights (continued)	872G/GP
Scarifier	
Front Mount With Teeth (5)	831 kg (1,833 lb.)
Mid-Mount With Teeth (11)	1481 kg (3,265 lb.)
Front Lift Group (Balderson-style)	763 kg (1,682 lb.)
Tires	
17.5-R25, Radial, L2 General Purpose	0 kg (0 lb.)
17.5-R25, Radial, G2/L2 Snow	43.5 kg (96 lb.)
17.5-R25, Radial, G3/L3 General Purpose	90 kg (198 lb.)
550/65R25 XLD70 G3/L3 Radial, General Purpose	444 kg (978 lb.)
20.5-R25, Radial, L2 Snow	414 kg (913 lb.)
20.5-R25, Radial, L2 General Purpose	474 kg (1,045 lb.)
Multi-Piece Rims	
356 mm x 635 mm (14 in. x 25 in.)	0 kg (0 lb.)
432 mm x 635 mm (17 in. x 25 in.)	46 kg (102 lb.)
Fenders	•
Front	99 kg (218 lb.)
Rear	141 kg (310 lb.)
Low Cab With Opening Front and Side Windows	14.5 kg (32 lb.)
Premium Air-Suspension, Heated Seat With Adjustable Arm- and Headrests	13 kg (28 lb.)
Coolant Heater	4 kg (9 lb.)
Quick Service	11 kg (24 lb.)
Sound-Absorption Package (machines equipped with Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 kg (31 lb.)
Secondary Steering	26 kg (58 lb.)
Beacon Bracket	8 kg (18 lb.)
Fire Extinguisher	14.5 kg (32 lb.)
Lighting Packages	
10 Halogen Lights	4.5 kg (10 lb.)
18 Halogen Lights	8 kg (18 lb.)
18 LED Lights	7 kg (16 lb.)
High-Front Light Bar for Snowplowing	20 kg (44 lb.)
Auxiliary Hydraulic Control Valve Section and Controls	7 kg (15 lb.)
Hydraulics for Front-Mounted Equipment	9 kg (19 lb.)
Machine Dimensions (continued)	2
F Wheelbase	6.16 m (20 ft. 3 in.)
G Overall Length	8.89 m (29 ft, 2 in.)
H Overall Length With Scarifier	9.69 m (31 ft. 9 in.)
I Overall Length With Push Block and Ripper	9.99 m (32 ft. 9 in.)
I <sup>I</sup> Overall Length With Scarifier and Ripper	10.59 m (34 ft. 9 in.)
For Overall Width see Tires (Wheels on page 29	

For Overall Width see Tires/Wheels on page 28.



## Additional equipment

Key: ● Standard ▲ Optional or special See your John Deere dealer for further information.

622	672	772	872	Operator's Station
•	•	•	•	Low-profile ROPS/FOPS cab with HVAC (ROPS ISO 3471 / FOPS SAE 3449 Level II)
•			•	Low-profile ROPS/FOPS cab utilizing laminated glass with fixed lower front and side opening windows
•			<b></b>	Opening front and side windows (standard with Grade Pro)
•	•	•	•	Keyless start with multiple security modes
•	•	•	•	Fabric air-suspension seat with armrests and headrest
•	•	•	•	Premium heated, leather/fabric, high-wide-back, air-suspension seat with armrests (standard with Grade Pro)
•	•	•	•	Sealed-switch module with function indicators
•	•	•	•	Electric rear-window defroster
•	•	•	٠	Upper front windshield washers with intermittent wipers
	•	•	•	Upper rear windshield washers with intermittent wipers
				Lower front intermittent wiper and washer
				Powered cab precleaner
				Decelerator pedal
		•	•	Flip-down, right- and/or left-hand cab beacon with bracket
•	•	•	•	Cab prewired for beacon, radio, and auxiliary circuit
•	•	•	•	Front window sun visor
				Retractable rear sunshade
•	•	•	•	Rearview mirrors, exterior (2) (SAE J985)
				Heated exterior mirrors (2) (SAE J985)
				Fire extinguisher
•	•	•	•	High-resolution rear camera with dedicated in-cab monitor (in some markets)
		•	•	High-resolution front/rear-camera combination with dedicated in-cab monitor
•	•	•	•	Retractable seat belt, 76 mm (3 in.) (SAE 386)
				AM/FM radio with auxiliary and Weather Band (WB)
				AM/FM radio with Bluetooth <sup>®</sup> , auxiliary, and WB ready
•	•	•	•	Push-button-activated cruise control

622	672	772	872	Electrical	
•	•	•	•	100-amp alternator (Tier 3/Stage IIIA and Tier 2/ Stage II)	
•	•	•	•	130-amp alternator (FT4/Stage V [optional for Tier 3/ Stage IIIA and Tier 2/Stage II])	
				200-amp alternator (FT4/Stage V)	
•	•	•	•	Batteries (2), 1,400 CCA with 440-min. reserve capacity	
	•	•	•	Left-hand engine compartment service-check light	
				Right-hand engine compartment service-check light	
•	•	•	•	Transporting lights (4 halogen)	
				Grading lights (10 halogen lights)	
				Deluxe grading lights (18 halogen lights)	
				Premium grading lights (18 LED lights)	
				Tall front snowplow light bar	
•	•	•	•	Multifunction/multi-language diagnostic LCD color monitor	
•	•	•	•	Reverse warning alarm (SAE J994)	
•	•	•	•	LED brake and turn lights	
				Moldboard	
				Patented pre-stressed, high strength, wear resistant:	
•	•	•		3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x % in.)	
				3.96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.)	
•				4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x % in.)	
			٠	4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	
				4.88 m x 686 mm x 25 mm (16 ft. x 27 in. x 1 in.)	
•	•	•	•	Quick-change and jackscrew-adjustable moldboard side-shift extreme-duty wear inserts	
•	•	•		610-mm (24 in.) left- or right-hand extensions for 610-mm (24 in.) moldboard	
		<b></b>	<b></b>	610-mm (24 in.) left- or right-hand extensions for 686-mm (27 in.) moldboard	
				Reversible overlay endbits	
				Overall Vehicle	
•	٠	•	٠	JDLink <sup>™</sup> wireless communication system (available in specific countries; see your dealer for details)	
•	•	•	•	Ground-level fuel and diesel exhaust fluid (DEF) filling	
	-	-	-	Fluid-sampling ports for engine oil and coolant,	

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.
Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions specified per ISO9249. No derating is required up to 3050-m1(0.000 fL) altitude. Specifications and design subject to change withhout notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard equipment; 14.0 x610-mm (24 in.) 12 PR G2, Bias tires and 3.66-m x 610-mm x 22-mm (12 ft. x24 in. x% in.) high-strength, wear-resistant moldboards with 16-mm (25 in. x 61 in.) Dura-Max<sup>3</sup> through-hardened-steel cutting edges for the 6226, 672G, and 772G, and 772G, and 725. mn (25 in.), Z. Radial tires and 4.27-m x 688-mm x 25-mm (14 ft. x 27 in. x 1 in.) high-strength, wear-resistant moldboards with 16-mm x 152-mm (0.63 in. x 6 in.) full ft. x 27 in. x 688-mm x 25-mm (14 ft. x 27 in. x 1 in.) high-strength, wear-resistant moldboards with 16-mm x 152-mm (0.63 in. x 6 in.) for the 872G. Weights include lubricants, coolants, full fuel tanks, and 79-kg (175 lb.) operators.

# Additional equipment (continued)

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Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

622	672	772	872	Overall Vehicle (continued)	
•	•	•	•	Vandal-protection locking for: Cab doors / Top tank radiator-access door / Engine coolant surge tank / Hydraulic reservoir cap / Battery-disconnect switch / Ground-level electrical master disconnect switch / Fuel-tank door and cap / Toolbox	
•	•	•	•	Environmental drains with hoses for engine, transmission, hydraulic, differential fluids, and engine coolant	
	•	•	•	Hydraulically driven cool-on-demand reversing fan	
•	•	•	•	Banked easy-access vertical spin-on filters for hydraulic, transmission, and axle fluids	
٠	•	•	٠	Engine rotary ejector precleaner	
•	•	•	•	Automatic differential lock	
•	•	•	۲	Engine-stall prevention and auto shutdown	
				Adjustable rotary engine precleaner (FT4/Stage V)	
		•	•	Heavy-duty air cleaner (FT4/Stage V)	
•	•	•		Single-input circle drive	
				Single-input circle drive with slip clutch	
			•	Heavy-duty dual-input circle drive without slip clutch	
				Heavy-duty dual-input circle drive with slip clutch	
				Premium circle	
				Auto-Shift transmission	
				Auto-Shift PLUS transmission	
				Blade-impact-absorption system	
				Front and/or rear wheel fenders	
				Quick-service bank for transmission, hydraulic, engine oil, and engine coolant fluid changes	
				Secondary steering	
				Sound-absorption package (Tier 3/Stage IIIA and Tier 2/Stage II)	
				Wheel chocks	
				Automation (standard on SmartGrade <sup>™</sup> models, optional on GP models)	
				Automation Suite	
				Auto-Articulation	
				Auto-Gain for Cross Slope	
				Auto-Pass	
				Blade Flip	
				Machine Presets	
				Machine-Damage Avoidance	

622	672	772	872	Front Attachments
				Front push block
A Martin State and A Market and A Ma Market and A Market an A Market and A Market and A Market and A Market and A Market A Market and A Market A Market and A Market and A Market and A Market and A		V-type front scarifier with float position, 5 shanks		
				Mid-mount scarifier with float position, 11 shanks
				Front Balderson-style lift group with float position
				Front-mounted dozer blades
				Rear Attachments
•	•	•	•	Full bottom guard with access panel and side guards for rear vehicle protection
•	•	•	•	Rear-mounted ripper/scarifier combination with rear hitch and pin, 3 ripper shanks
				Rear counterweight with rear hitch and pin
				Rear hitch and pin
				Extra scarifier shanks (9) with teeth for rear ripper scarifier
			•	Extra ripper shanks (2) with teeth for rear ripper/ scarifier
				Grade Pro (GP) Option
•	•	•	•	Low-profile GP cab with opening lower front and side windows
•	•	•	•	Low-profile GP cab utilizing laminated glass with fixed lower front and side opening windows
•	•	•	•	Premium heated, leather/fabric, high-wide-back, air-suspension seat with armrests
				Dual-joystick controls
				Fingertip armrest-mounted controls including steering lever
•	•	•	•	Steering wheel
•	٠	•	•	Cross slope
•	•	•	•	Return to straight
				Grade Control
				SmartGrade available on GP models
				Mast mounts
				Topcon ready available on G and GP models
				Trimble ready available on G and GP models

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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. Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions specified per ISO9249. No detating is required up to 3050-m I00,000 ft. J altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard equipment; 14. 0x 610-mm (24 in.) 12 PR G2, Bias tires and 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x ½ in.) high-strength, wear-resistant moldboards with 16-mm x 152-mm (0.63 in. x 6 in.) Dura-Max<sup>4</sup> through-hardened-steel cutting edges for the 622G, 672G, and 772G; and 17.5 R 635-mm (25 in.) L 2, Radial tires and 4.27-m x 688-mm x 25-mm (14 ft. x 27 in. x 1n.) high-strength, wear-resistant moldboards with 16-mm x 152-mm (0.63 in. x 6 in.) Dura-Max through-hardened-steel cutting edges for the 872G. Weights include lubricants, coolants, full fuel tanks, and 79-kg (175 lb.) operators.





JohnDeere.com/graders

# IN YOUR WORLD, DECIDE HOW YOUR WORK GETS DONE.

### Take control with more options

Inspired by input from customers like you, John Deere G-Series Motor Graders include a host of innovative options like dual-joystick controls and exclusive automation advantages on Grade Pro (GP) models. Factory-integrated SmartGrade<sup>™</sup> configurations. And Precision mode on six-wheel-drive machines. The smaller, more economical 620G and 622G deliver practical power at up to 10-percent fuel savings over their larger siblings. We give you the power of choice to match your application. So you can choose to **Run Your World.** 



### 672G MOTOR GRADER with 6WD

27-Dec-2023

Code Description



QTY

List Price (USD)

8450T	672G MOTOR GRADER with 6WD	1	\$514,436.00
	672G Standard Equipment		
	VEHICLE COOLING: Swing-Out, Cool-On-Demand, Hydraulic Fan (32 In.) Enclosed Engine Fan and Fan Drive Guarding (Conforms to ISO 3457) Heavy Duty Aluminum Coolers for Transmission, Axle, Hydraulic, Fuel, Charge Air, Engine Coolant Surge Tank Cool-Gard II Extended Life Engine Coolant -34 Degrees F (-37 Degrees C)	Radiator and A/C	Condenser.
	TRANSMISSION: John Deere Powershift Plus Direct Drive, Countershaft Powershift Event Based Shifting (EBS) - Load Sensing Electronic Shift Modulation Over speed Protection Quick Disconnect Pressure Ports Matched 8 Forward and 8 Reverse Speeds Industry Standard U-Shape Shift Pattern Transmission Neutral Lock with Park Start Safety Switch Rubber Isolation Mounting to Reduce Noise and Vibration Independent Oil Reservoir, Filtration and Cooling System with: 31 GPM Transmission Gear Pump 2000 Hour Vertical Spin-On Filter		
	DUAL-PATH HYDROSTATIC 6WD: Variable Displacement Pumps Axial Piston Drive Motors Operator Selected Aggressiveness Control Operator Controlled Inching Capability Operational In Gears 1-7 Forward and Reverse Precision Mode in 1-3 Forward		
	AXLE, BRAKES AND TANDEMS: Teammate II Axle Planetary Single Reduction Final Drives Internal Self-Adjusting Maintenance Free Wet Multi-Disk Brakes Inboard of Tander Continuous Pressurized Filtered Oil Cooled Brakes Independent Oil Reservoir, Filtration and Cooling System with: 6.7 GPM Axle Gear Pump 2000 Hour Vertical Spin-On Filter Primary and Secondary Service Brakes (Conforms to ISO 3450) Automatic Differential Lock with Override Automatic Spring-Applied Hydraulic Released Parking Brake (Conforms to SAE J10 Slip Resistant Platforms on Tandems		
	OPERATORS STATION: Low ROPS/FOPS Air Conditioned Cab (Conforms ROPS ISO 3471 / FOPS ISO 3449 L Rubber Isolation Frame Mounted Keyless Start with Multiple Security Modes Anti-Skid 3 Step Cab Access	evel II)	

#### Code Description

Fabric Air Suspension Seat with Armrests and Headrest 3 In., (76 mm) Seat Belt w/Retractors (Conforms to SAE J386) Tilt Wheel and Control Console with 5 Lock to Lock Power Steering Electronic Throttle Control with Auto / Manual Modes ECO Mode: limits engine rpms to 1900 in gears 1-5 15 Amp (24 V to 12 V W/ Continuous 10 amps) Converter and (2) Power Ports (1)Interior and (2)Exterior Mounted Rearview Mirrors (Conforms to SAE J985) Air Vents on all Front and side Tinted Windows **Fixed Lower Front Tinted Window** Rear Window Electric Defroster Laminated Upper Front Tinted Window w/ Sun Shade Band Upper Front and Rear Windshield Washers with Intermittent Wipers Molded Floor Mat Coat Hook Universal RH & LH Mounting Bracket Cooler/Lunch Box Storage with Cup Holder **Operator**?s Manual Storage Front Sun Visor ELECTRICAL: 24 Volt System Alternator (dependent on engine emission and optional equipment) Bypass Start Safety Cover on Starter All Light and Wiper Switches have Solid State Electrical Power Distribution System Batteries (2), 1400 CCA with 440 Minute Reserve Capacity **Positive Terminal Battery Covers** Ground Level Electrical Master Disconnect Switch Electric Fuel Shut off Switch Transporting Lights w/LED Signal and Marker Lights (4 Halogen Transport lights) Transporting Lights (4 Halogen Transport Lights). Includes LED turn signals on front frame, LED rear turn signals mounted on rear grille, front and rear LED marker lights, LED brake lights and LED hazard warning lights. Cab Pre-Wired (10 amp) for Beacon, Radio and Auxiliary Circuit Electric Forward Warning Horn (Conforms to ISO 9533) Back up Warning Alarm (Conforms to ISO 9533) Sealed Switch Module with Function Indicators Multi-Function / Multi-Language LCD Color Monitor includes: DIGITAL INSTRUMENTS ANALOG Display: Hydraulic Oil Temperature Engine Coolant Temperature Transmission Oil Temperature Rear Steer Articulation Angle **Fuel Level** DEF Level (FT4 Only) **DIGITAL Display: Engine RPM** Transmission Gear Indicator Hour Meter Speedometer

#### Code Description

### Odometer

Outside Ambient Temperature Integrated Job Timer and Stop Watch INDICATOR LIGHTS for Standard and Selected Options INDICATOR LIGHTS for Amber Caution and Red Stop OPERATOR WARNING MESSAGES BUILT-IN DIAGNOSTICS: Diagnostic Code Details Sensor Values Calibrations MENU DISPLAY: Codes Machine Settings Diagnostics Monitor Settings

#### HYDRAULIC SYSTEM:

PCLS (Pressure Compensating Load Sensing) Hydraulic System Independent Hyd. Reservoir with Sight Glass Independent Main Hydraulic filtration cooling system with: 56 GPM Main Hydraulic Axial Piston Pump O-Ring Face Seal Connectors Float control included with blade lifts 2000 Hour Vertical Spin-On Filter

#### STRUCTURE:

Main Frame with: Double Ball-N-Socket Pivot Connection Snow Wing Ready Frame Midmount Scarifier Ready Grade Control Mount Ready Tapered Roller Bearing in Bottom Articulation Joint Tapered Roller Bearing King Pins on Front Axle Lift Eyes Tiedowns (20) NeverGrease Pin Joints for Saddle Linkage, Blade Tilt, Rear Steering and Lean Cylinders

MOLDBOARD: Patented Pre-Stressed 12 Ft. x 24 In. x 7/8 In. (3.66 M x 610 mm x 22 mm) Moldboard with: 6 In. x 5/8 In. (152 x 16 mm) Cutting Edge with 5/8 in. Reversible End Bits Quick Change Circle Wear Inserts (All Nylon) Quick Change and Adjustable Heavy Duty Moldboard Side Shift Wear Inserts Single Input Circle Drive Gearbox (non-slip)

OVERALL VEHICLE: Left Side Daily Service

Description	211	
Engine and Service Compartment Lights		
Hinged Engine Side Shields		
Tool Box with Tray		
Articulation Joint Grease Bank		
Articulated frame with Safety (ISO 10570) locking pin		
Radiator Surge Tank Access Panel		
Bottom/Side Guards with Access Panels		
(6) D.O.T. (392&393) Permanent Tie Downs for transport		
Single Key Locks for Entire Vehicle		
Ground Level Fuel Tank Filling (FT4 Only)		
Fluid Sampling Ports for Engine Oil, Engine Coolant, Hydraulic, Axle and Tra	Insmission Oils	
Vandal Protection Locking for:		
Service Compartments		
Cab Doors		
Radiator Surge Tank Access Door		
DEF Tank Door and Cap (FT4 Only)		
Hydraulic Reservoir Cap		
*Battery Disconnect Switch		
Fuel Tank Door and Cap		
Tool Box		
Fuel tank, 110 gallon (416 L)		
Environmental Drains with Hoses for Engine, Transmission, Hydraulic, Axle	Oils and Engine Coolant	
Remote Filter Bank for Hydraulic, Transmission and Axle Oils	ons and Engine coolant	
Vehicle Side Reflectors		
Venicle Side Reflectors		
672G MOTOR GRADER with 6WD	1	\$514,436.00
Engine	Pasic Factor	y Options - Required
Ligite	Dasic Factor	y Options - Required
John Deere PowerTech Plus 9.0L meets Tier 3 / EU Stage IIIA emissions		No Added Cost
For use in areas where EPA Tier 3/EU Stage IIIA is required. Requires severe duty		
filter code 1420.Requires engine exhaust code 1820.Variable-Geometry		
TurbochargerCooled Exhaust Gas RecirculationCharge Air Cooler (Air to Air)4		
Valves / CylinderWet Sleeve Cylinder LinersECO ModeProgrammable Auto-		
ShutdownAutomatic Starter Overload Protection Electronically Controlled HPCR Fuel Delivery SystemElectric Fuel Priming System10-Micron Primary Fuel		
Filter/Water Separator, 500 hour2-Micron Final Fuel Filter, 500 hourInline Fuel		
StrainerSpin-on Oil Filter, 500 hourAuto-Tensioned Serpentine Belt Under		
Hood Dual Element Air Cleaner with Restriction IndicatorEngine Intake Rotary		
Ejector PrecleanerSelf Draining Muffler with Curved Stack		
250 Net Peak hp		
p		
		<b>*</b> 50 (40.00
John Deere PowerTech PSS 9.0L meets EPA FT4 Emissions		\$58,613.00
For use only in areas where EPA Final Tier 4 is required.Requires engine exhaust		
code 1830 or 1840. Automatic Exhaust Filter Regeneration Automatic Hydraulic		
code 1830 or 1840. Automatic Exhaust Filter Regeneration Automatic Hydraulic		

8450T

1120

1140

Code	Description	QTY	List Price (USD)
	CylinderWet Sleeve Cylinder LinersECO ModeAuto-Idle and Programmable Auto-ShutdownAutomatic Starter Overload Protection Electronically Controlled HPCR Fuel Delivery System, B20 Biodiesel CompatibleElectric Fuel Priming System10-Micron Primary Fuel Filter/Water Separator, 500 hour2- Micron Final Fuel Filter, 500 hourInline Fuel StrainerSpin-on Oil Filter, 500 hourOil crankcase filter, LifetimeAuto-Tensioned Serpentine Belt Under Hood Dual Element Air Cleaner with Restriction IndicatorEngine Intake Rotary Ejector Precleaner 255 Net Peak hp		
	Exhaust	Basic Factor	y Options - Required
1820	Engine Exhaust with Flat Black Muffler for 9.0L Requires engine code 1112 or 1120.		No Added Cost
1830	Engine Exhaust W/ Flat Black Stack (FT4 or Stage V only) Requires engine code 1140.		No Added Cost
1840	Engine Exhaust W/ Chrome Stack (FT4 or Stage V only) Requires engine code 1140.		\$760.00
	Fuel Filtration	Basic Factor	y Options - Required
1410	Standard Fuel & Water Filtration		No Added Cost
1420	Severe Duty Fuel & Water Filtration System For use where fuel quality is questionable and/or additional water separation is required. Filter base contains fuel heater.		\$571.00
	Quick Service Group	Basic Factor	y Options - Required
1310	Quick Service Group		\$727.00

Code	Description	QTY	List Price (USD)
1320	No Quick Service Group		No Added Cost
	Machine Configuration	Basic Factor	y Options - Required
1010	Standard Antler Rack Hydraulic Controls		(\$21,630.00)
1020	Armrest Fingertip Controls		No Added Cost
	Grade Pro Armrest Controls Include: * Fingertip controls with industry standard control pattern * Automated Cross Slope control with exclusive Auto-Gain * Integrated grade control (Contact TOPCON, Trimble, or Leica for full install requirements) * Return-to-Straight * Armrest steering control AND conventional steering wheel Requires alternator code 1220 or 1240 and cab code 5060 or 5070. Includes seat code 6140 and grade pro controls code 6650.		
1030	Dual Joystick Controls Grade Pro Armrest Controls Include: * Automated Cross Slope control with exclusive Auto-Gain * Integrated grade control (Contact TOPCON, Trimble, or Leica for full install requirements) * Return-to-Straight * Armrest steering control AND conventional steering wheel Requires alternator code 1220 or 1240 and cab code 5060 or 5070. Includes seat code 6140 and grade pro controls code 6650.		No Added Cost
	Operator's Station	Basic Factor	y Options - Required
	ROPS/FOPS Air Conditioned Cab		
5020	Low Cab w/ Fixed Lower Front and Side Windows		No Added Cost

Code	Description	QTY List Price (USD)
5025	Low Cab w/ Fixed Lower Front and Side Opening Windows	\$1,003.00
5030	Low Cab w/ Lower Front and Side Opening Windows Includes Roof Wiring Harness for Lighting, Beacon, Precleaner and Heated Mirrors	\$1,344.00
5035	Low Cab w/ Fixed Lower Front and Side Opening Windows, Laminated Glass The advantage of laminated glass is that it resists shattering and strongly resists penetration by impacting objects.	\$3,339.00
5060	Grade Pro Low Cab w/ Lower Front and Side Opening Windows Requires configuration code 1020 or code 1030 and seat code 6140. Requires (1) T244325 bracket to optionally move monitor to the RH door post.	No Added Cost
5070	Grade Pro Low Cab w/ Fixed Lower Front and Side Opening Windows, Laminated Glass Requires configuration code 1020 or code 1030 and seat code 6140.Requires (1) T244325 bracket to optionally move monitor to the RH door post.The advantage of laminated glass is that it resists shattering and strongly resists penetration by impacting objects.	\$2,368.00
	Camera	Basic Factory Options - Required
8830	Rear Camera (R4) Rear view camera with a dedicated monitor	No Added Cost
8835	Front & Rear Camera (R4)	\$2,704.00
	Mirrors	Basic Factory Options - Required
8210	Exterior Mounted Rearview Mirrors	No Added Cost

Code	Description	QTY List Price (USD)
8220	Heated Exterior Mounted Rearview Mirrors	\$616.00
	Radio	Basic Factory Options - Required
8410	AM/FM Radio with Aux and Weather Band (WB)	\$1,063.00
8415	Premium AM/FM Radio with Bluetooth, Aux and Weather Band (WB).	\$1,638.00
8420	No Radio	No Added Cost
	Washer and Wiper	Basic Factory Options - Required
8310	Lower Front Intermittent Wiper & Washer	\$725.00
8320	Less Lower Front Window Wiper & Wiper	No Added Cost
	Cab Air Precleaner	Basic Factory Options - Required
6010	Powered Cab Air Precleaner Powered Cab Precleaner pre-filters outside air to significantly extend cab filter life.	\$1,000.00
6030	No Powered Cab Air Precleaner	No Added Cost

Code	Description	QTY	List Price (USD)
	Seat	Basic Factor	y Options - Required
6120	Standard Fabric Air Suspension Seat with Armrests and Headrest For use with cab codes 5020, 5025, 5030 & 5035		No Added Cost
6130	Premium Heated, Leather/Fabric, High-Wide Back, Air Suspension Seat with Armrests For use with cab codes 5020, 5025, 5030 & 5035. This seat does not include a headrest. If a headrest is desired, please order AT361342 from service parts.		\$802.00
6140	Grade Pro Premium Heated, Leather/Fabric, High-Wide Back Air Suspension Seat For use with cab codes 5060 & 5070. This seat does not include a headrest. If a headrest is desired, please order AT361342 from service parts.		No Added Cost
	Sound Absorption Package	Basic Factor	y Options - Required
8720	No Sound Absorption Package		No Added Cost
	Hydraulic Controls - Right Side	Basic Factor	y Options - Required
	Standard Hydraulic Controls Industry standard manual hydraulic controls. Includes valves, control levers, and plu	mbina.	
6510	Base Hydraulics - 4 Function Controls Requires configuration code 1010. Base Functions: Rear Steer, Circle Side shift, Wheel Lean & RH Blade Lift w/ Float.	5	No Added Cost

Code	Description	QTY	List Price (USD)
6520	Base Hydraulics w/ 1 Auxiliary Function Control		\$1,799.00
	Requires configuration code 1010. Base functions plus 1 function w/float control - front plumbing and hoses for Scarifier or auxiliary application. For use with front scarifier.		
6525	Mid Mount Scarifier Base Hydraulics w/ 1 Auxiliary Function Control		\$2,039.00
	Requires Mid Mount Scarifier code 6730 and configuration code 1010. Midmount scarifier base hydraulics with 1 auxiliary function control with float control for mid mount scarifier. For use with mid mount scarifier.		
6530	Base Hydraulics w/ 2 Auxiliary Function Controls		\$3,394.00
	Requires configuration code 1010. Base functions plus 2 functions w/float control - front plumbing and hoses for Scarifier and/or auxiliary application. For use with front scarifier.		
6540	Base Hydraulics w/ 3 Auxiliary Function Controls		\$4,987.00
	Requires code 1010. Base Functions plus 3 functions-(2) with and (1) w/o float control, front plumbing and hoses for Scarifier and/or auxiliary application. For use with front scarifier.		
	Grade Pro Controls		
	1020 - Finger-tip armrest mounted controls, consistent with the industry stand lever steering plus the traditional steering wheel. All Auxiliary codes include fr except code 6595.		
	1030 - Dual Joystick armrest mounted controls. Includes armrest mounted level wheel. All Auxiliary codes include front and rear plumbing for each function experience.		raditional steering
6550	Grade Pro Base Controls		No Added Cost
	Requires code 1020 OR 1030 Includes the following Base Hydraulic Functions: Rear Steer Circle Side shift Wheel Lean Right and Left hand Blade Lift w/ Float Circle Rotate Blade Side Shift Blade Tilt Speed-sensitive Lever Steer (also includes traditional steering wheel)		

Code	Description	QTY	List Price (USD)
6526	Grade Pro Controls for Mid Mount Scarifier w/1 Auxiliary Function Control Requires codes 1020 OR 1030 AND Mid Mount Scarifier code 6730. Includes base functions plus mid-mount scarifier/auxiliary hoses that run to front of machine Fingertip controls include right hand lever control		\$2,039.00
6555	Grade Pro Controls for Rear Ripper or 1 Rear Auxiliary Function Requires code 1020 OR 1030 Includes Base functions plus 1 rear auxiliary function w/float control - Rear plumbing and hoses for Ripper or auxiliary application. Fingertip controls include left hand lever control		\$1,801.00
6560	Grade Pro Controls for Front Scarifier or 1 Front Auxiliary Function Requires code 1020 OR 1030 Include Base functions plus 1 front auxiliary function w/float control - front plumbing and hoses for Scarifier and/or auxiliary application. Fingertip controls include right hand lever control		\$1,801.00
6580	Grade Pro Controls w/1 Front Auxiliary Function AND 2 Rear Auxiliary Functions Requires code 1020 OR 1030Includes Base functions plus 3 auxiliary - 1 front and 2 rear auxiliary functions w/ float control and rear plumbing for Scarifier / Ripper and/or front, mid or rear auxiliary applications.Fingertip controls include left AND right hand lever control4 independent proportional rollers are reconfigurable for auxiliary functions.		\$5,395.00
6585	Grade Pro Controls w/1 Front Auxiliary Function AND 1 Rear Auxiliary Function Requires code 1020 OR 1030Includes Base functions plus 2 auxiliary - 1 front and 1 rear auxiliary functions w/ float control and plumbing for Scarifier / Ripper applications.Fingertip controls include left AND right hand lever control4 independent proportional rollers are reconfigurable for auxiliary functions.		\$3,638.00
6590	Grade Pro Controls w/1 Front Auxiliary Function AND 3 Rear Auxiliary Functions Requires code 1020 OR 1030 Includes Base functions plus 4 auxiliary - 1 front and 3 rear auxiliary functions w/ float control and rear plumbing for Scarifier / Ripper and/or front, mid or rear auxiliary applications. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.		\$7,194.00
6595	Grade Pro Controls w/3 Front Auxiliary Function AND 3 Rear Auxiliary Functions Requires code 1020 OR 1030Includes Base functions plus 6 auxiliary - 3 front and 3 rear with float control on 4 functions, and front and rear plumbing for 2 functions each.Fingertip controls include left AND right hand lever control4 independent proportional rollers are reconfigurable for auxiliary functions.		\$10,790.00

Code	Description	QTY	List Price (USD)
	Hydraulic Controls - Left Side	Basic Factor	y Options - Required
	Industry standard manual hydraulic controls. Includes valves, control levers, and plu	mbing.	
	Standard Hydraulic Controls		
	Industry standard manual hydraulic controls. Includes valves, control levers, and plu	mbing.	
6610	Base Hydraulics- 4 Function Controls		No Added Cost
	Requires code 1010. Base Functions: LH Blade Lift w/ Float, Blade Side shift, Circle Rotate, Blade Tilt.		
6620	Base Hydraulics w/ 1 Auxiliary Function Control		\$1,582.00
	Requires code 1010. Base Functions plus 1 function w/float control and lines for Ripper or auxiliary application. For Use with Rear Ripper/Scarifier Combination.		
6630	Base Hydraulics w/2 Auxiliary Function Control		\$3,193.00
	Requires code 1010. Base functions plus 2 functions w/float control and lines for Ripper and/or auxiliary application. For Use with Rear Ripper/Scarifier Combination.		
6640	Base Hydraulics w/ 3 Auxiliary Function Control		\$4,786.00
	Requires code 1010. Base Functions plus 3 functions-(2) with and (1) w/o Float Control, and lines for Ripper and/or auxiliary application. For Use with Rear Ripper/Scarifier Combination.		
	Grade Pro Controls		
6650	Grade Pro Controls - Left Side		No Added Cost
	Requires code 1020 or code 1030. Accompanies GRADE PRO CONTROLS - RIGHT SIDE order code selection.		
	Shipping Preparation	Basic Factor	y Options - Required

Code	Description	QTY	List Price (USD)
8510	Air Conditioner Refrigerant Charged		No Added Cost
	Grade Control Factory Base Kits	Basic Factor	y Options - Required
	The following options are for GP graders only and require code 1020 or 1030. Se grade control ready kits	e field attachments	for G (code 1010)
2500	Topcon Grade Control Base Kit for GP Graders		\$7,467.00
	Base kit is factory installed and includes additional brackets & wiring harnesses that further enhance and simplify the addition of a Topcon Grade Control System. Requires code 1020 or 1030		
2530	Trimble Earthworks Grade Control Base Kit for GP Graders		\$7,467.00
	Supports the latest Trimble Earthworks system and includes factory installation of all harnesses and brackets on the machine and inside the cab to reduce the install time of an aftermarket Trimble Earthworks system.		
	Not compatible with the previous Trimble GCS900 system. Requires additional main components to be sourced from Trimble distributor for fully functional Earthworks system.		
2575	No Grade Control Base Kit Installed		No Added Cost
	Grade Control System	Basic Factor	y Options - Required
2740	SMARTGRADE 3D GNSS MASTLESS GRADE CONTROL		\$79,600.00
	Requires code 1020 or 1030. Not compatible with grade control factory base kits. Example: Topcon Ready (2500) Mastless 3D GNSS grade control system fully integrated into the cab and structures. Consists of Topcon UR-1 radio that is capable of doing both UHF and 915 MHz, sensors, in-cab display and Topcon software compatible with Topcon file formats. Includes Automation Suite (Auto-Articulation, Blade Flip, Machine Preset, and Auto-Pass) and Machine Damage Avoidance. SmartGrade option includes Premium Circle option 2850. After selecting SmartGrade, 2850 will be automatically selected.		
2775	No Topcon 3D GPS Grade Control System installed		No Added Cost

Code	Description	QTY List Price (USD
	Hydraulic Oil	Basic Factory Options - Required
5815	Hydrau Broad ambient operating temperatures. Operating range: -25°C to 50°C	No Added Cos
5830	-13°F to 122°F Hydrau XR	\$791.00
	Optional factory fill. Broad ambient operating temperatures. Operating range: -40°C to 40°C -40°F to 104°F Intended for colder climates, provides all-season capability. Required for Russia.	
5835	Cold Weather Package with Hydrau XR Only available on 6WD 9L models. Recommended for use in cold climates, provides all-season capability Includes cold weather, high pressure hoses from the articulation joint to the HFWD engagement valve and Hydrau XR factory hydraulic fill with an ambient operating temperature range of -40°C to 40°C (-40°F to 104°F) Auto-selects the following cold weather options which are required in the package Heated cab mirrors (8220) Lower front cab wipers (8310) Dual 100 amp alternators (1240) Auto-shift (5510) or Auto-shift Plus (5515) Ether start aid (9370) 9L engine block heater (9360)	\$791.00
	Hydraulic Pump Disconnect	Basic Factory Options - Required
1610	Hydraulic Pump Disconnect Required with engine code 1140.Required for Russia.	\$203.00
	Machine Connectivity	Basic Factory Options - Required

Code	Description	QTY	List Price (USD)
	Machine connectivity functions require cellular coverage. Usage of JDLink System require terms of the John Deere Telematics System Contract.	es customei	's acceptance of the
	Option availability limited by specific geographical regions. Please refer to region specific ordering codes.	price page	s for appropriate
1741	No JDLink Ultimate		(\$1,232.00)
170K	JDLink™		No Added Cost
	Includes integrated cab wiring harness, antenna, and JDLink Modem (MTG).		
	JDLink connectivity is enabled separately through the JDLink website. Connectivity service is subject to country availability.		
170R	JDLink <sup>™</sup> Satellite		\$3,000.00
	Includes integrated cab wiring harness, antenna, JDLink Modem's (Cellular MTG & Satellite MTG).		
	JDLink connectivity is enabled separately through the JDLink website. Connectivity service is subject to country availability.		
	Blade Impact Absorption System Ba	asic Factory	Options - Required
1910	Blade Impact Absorption System		\$3,912.00
	Protects Moldboard and draft frame from impacts with Stationary objects		
1920	No Blade Impact Absorption System		No Added Cost
	Moldboards with Dura-Max <sup>™</sup> Cutting Edges and End Bits Ba	asic Factory	Options - Required
2010	12 Ft. x 24 In. x 7/8 In. (3.66M x 610mm x 22mm) w/ 6 In. x 5/8 In. (152 x 16mm) Cutting Edge & in. (16mm) Hardware	k 5/8	No Added Cost
2020	12 Ft. x 24 In. x 7/8 In. (3.66M x 610mm x 22mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & in. (16mm) Hardware	k 5/8	\$454.00

Code	Description	QTY	List Price (USD)
2050	14 Ft. x 24 In. x 7/8 In. (4.27M x 610mm x 22mm) w/ 6 In. x 5/8 In. (152 x 16mm) Cutting Edge in. (16mm) Hardware	e & 5/8	\$1,538.00
2060	14 Ft. x 24 In. x 7/8 In. (4.27M x 610mm x 22mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge in. (16mm) Hardware	e & 5/8	\$1,781.00
2070	14 Ft. x 27 In. x 1 In. (4.27M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & (16mm) Hardware Requires engine code 1120 or 1140.	k 5/8 in.	\$2,268.00
2080	14 Ft. x 27 In. x 1 In. (4.27M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & (19mm) Hardware Requires engine code 1120 or 1140.	k 3/4 in.	\$2,320.00
	CIRCLE	Basic Facto	ory Options - Required
2810	Single Input Gearbox without Slip Clutch		No Added Cost
2820	Single Input Gearbox with Slip Clutch Slip clutch protects circle, circle drive gearbox and draft frame from damage		\$3,124.00
	when end of moldboard comes in contact with stationary objects. Slip clutch is integral to the circle drive gearbox assembly and allows the circle frame to rotate, avoiding damage to the machine, when the end of the moldboard comes in contact with an immovable object.		
2830	Heavy Duty Dual Input Gearbox without Slip Clutch		\$1,787.00
	Heavy duty dual input gearbox is an industry exclusive and provides significant improvements in circle drive component durability. The heavy duty dual input circle drive gearbox provides comparable circle torque and circle rotate speed as the single input circle drive gearbox. The heavy duty dual input circle drive gearbox will significantly enhance uptime for the customer and is recommended for applications that frequently use the circle rotate function while under heavy load.		
2840	Heavy Duty Dual Input Gearbox with Slip Clutch		\$4,911.00
	Heavy duty dual input gearbox is an industry exclusive and provides significant		

Description	QTY	List Price (USD)
improvements in circle drive component durability. The heavy duty dual input circle drive gearbox provides comparable circle torque and circle rotate speed as the single input circle drive gearbox. The heavy duty dual input circle drive gearbox will significantly enhance uptime for the customer and is recommended for applications that frequently use the circle rotate function while under heavy load.		
Slip clutch protects circle, circle drive gearbox and draft frame from damage when end of moldboard comes in contact with stationary objects. Slip clutch is integral to the circle drive gearbox assembly and allows the circle frame to rotate, avoiding damage to the machine, when the end of the moldboard comes in contact with an immovable object.		
Premium Circle		\$23,690.00
Replaces the circle gearbox drive and circle with a fully sealed bearing. Customers will benefit from lower operating costs with no wear inserts to replace or maintain over the life of the machine. Maintenance takes just minutes by greasing the bearing every 500 hours. A 40% increase in circle torque and 15% increase in circle speed compared to the traditional gearbox will reduce cycle times and improve productivity. Grade control customers will appreciate the smoothness and tightness of the circle increasing accuracy without having to shim inserts. Included with SmartGrade for the most innovative and effective Grade Control System in the industry. Slip Clutch is included at no additional cost.		
Alternator	Basic Factory	y Options - Required
130 amp Alternator		\$446.00
Requires engine code 1140.		
Dual 100 Amp Alternators (200 Amp total)		\$1,032.00
Requires engine code 1140.		
Lighting	Basic Factor	y Options - Required
For raised front lights order code 9270 Tall Front Light Bar.		
All lighting packages include LED turn signals on front frame, LED rear turn signa LED marker lights, LED brake lights and LED hazard warning lights.	ils mounted on rear	grille, front and rear
	<ul> <li>improvements in circle drive component durability. The heavy duty dual input circle drive gearbox provides comparable circle torque and circle rotate speed as the single input circle drive gearbox. The heavy duty dual input circle drive gearbox will significantly enhance uptime for the customer and is recommended for applications that frequently use the circle rotate function while under heavy load.</li> <li>Slip clutch protects circle, circle drive gearbox and draft frame from damage when end of moleboard comes in contact with stationary objects. Slip clutch is integral to the circle drive gearbox assembly and allows the circle frame to rotate, avoiding damage to the machine, when the end of the moldboard comes in contact with a fully sealed bearing. Customers will benefit from lower operating costs with no wear inserts to replace or maintain over the life of the machine.</li> <li>Maintenance takes just minutes by greasing the bearing every 500 hours. A 40% increase in circle torque and 15% increase in circle speed compared to the traditional gearbox will educe cycle times and improve productivity. Grade control customers will appreciate the smoothness and tightness of the circle increasing accuracy without having to shim inserts. Included with SmartGrade for the most innovative and effective Grade Control System in the industry.</li> <li>Slip Clutch is included at no additional cost.</li> <li><b>Dual 100 Amp Alternator</b> (200 Amp total)</li> <li>Requires engine code 1140.</li> <li>Lighting</li> </ul>	Improvements in circle drive component durability. The heavy duty dual input         circle drive gearbox provides comparable circle torque and circle rotate speed         as the single input circle drive gearbox. The heavy duty dual input circle drive         gearbox will significantly enhance uptime for the customer and is         recommended for applications that frequently use the circle rotate function         while under heavy load.         Slip clutch protects circle, circle drive gearbox and draft frame from damage         when end of moldboard comes in contact with stationary objects. Slip clutch is         Premium Circle         Replaces the circle garbox drive and circle with a fully sealed bearing.         Customers will benefit from lower operating costs with no wear inserts to         replace or maintain ouver the life of the machine.         Maintenance takes just minutes by greasing the bearing very 500 hours.         A 40% increase in circle torque and 15% increase in circle speed compared to         the traditional gearbox will reduce cycle limes and improve productivity.         Grade control customers will appreciate the smoothness and tightness of the         circle for the most innovative and effective Grade Control System in the         industry.         Slip Clutch is included at no additional cost.         Alternator         Requires engine code 1140.         Dual 100 Amp Alternators (200 Amp total) <t< td=""></t<>

Code	Description	QTY	List Price (USD)
	rear grill.		
7130	Grading Lights (10 Halogen Lights)		\$825.00
	Includes light code 7110 Transporting Lights plus (4) additional work lights (2 - bottom cab, 2 - mid-frame).		
7160	Deluxe Grading Lights (18 Halogen Lights)		\$1,513.00
	Includes light code 7130 Grading Lights plus (8) additional work lights (4 - corner cab, 2 - front cab, and 2 - right-side cab roof).		
7180	Premium Grading Lights (18 LED Lights)		\$4,471.00
	Same lighting locations as light code 7160 Deluxe Grading Lights, all Premium Grading Lights are LED.		
	Converter	Basic Facto	ry Options - Required
8110	24-to-12 Volt Converter (15 amps peak / 10 amps continuous)		No Added Cost
8120	24-to-12 Volt Converter (30 amps peak / 25 amps continuous)		\$508.00
	Recommend code 8120 for additional 12 volt needs, such as business band or CB radios		
	Front Attachments	Basic Facto	ry Options - Required
6710	Front Push Block		\$4,758.00
	2,950 lbs.		
6720	Front Scarifier		\$10,258.00
	Includes Front Hydraulics, plumbing and hoses Scarifier with 2 pitch positions and 9 shank pockets		
	Five 1 x 3 inch Scarifier Shanks w/teeth If additional shanks are desired order (1) each of T6Y5230 Tooth, T114792		

Code	Description	QTY	List Price (USD)
6730	Mid-Mount Scarifier with Integrated Front Push Plate Requires hydraulic code 6525 or 6526 Mid-Mount Scarifier with Push Block Can not be used with Front Scarifier. Not for use with Front Fenders Code 7810. Recommend Rear Counterweight for better machine balance.		\$18,287.00
6740	Balderson Style Front Lift Group Requires hydraulic code 6520, 6530, 6540, 6560, 6580, 6585, 6590, or 6595. (2) AT367896 Mating Hooks from Parts are available to convert old front attachments to the Bladerson-style lift group.		\$8,699.00
6750	Less Front Attachment		No Added Cost
6770	Front-Mounted Dozer Blade, 97 in. x 37.6 in. (2464 mm x 955 mm) Requires hydraulic controls on the right side with a minimum 1 front auxillary function. Requires 14.0 24 or 14.0 R24 tires		\$11,209.00
6780	Front-Mounted Dozer Blade, 105 in. x 37.6 in. (2667 mm x 955 mm) Requires hydraulic controls on the right side with a minimum 1 front auxillary function. Requires 14.0 24, 14.0 R24, 17.5 25, or 17.5 R 25 tires.		\$11,418.00
	Rear Attachments	Basic Facto	ry Options - Required
6810	Rear Mounted Ripper/Scarifier Combination with Rear Hitch and Pin Includes Rear mounted Ripper/Scarifier with rear hitch and pin. NeverGrease Pin Joints. Three 2 x 5 in. Ripper Shanks w/teeth. Does not include Scarifier Shanks w/teeth (offered in code 9430: (9) Extra Scarifier Shanks w/Teeth For Rear Ripper/Scarifier) Can not be used with codes 6550, 6560 or 6610. Recommend Front Push Block (or other front equipment) for proper weight distribution and performance.		\$20,184.00
6820	Rear Counterweight with Rear Hitch and Pin 1600 lbs.(725.7 kg.) Rear Counterweight. Recommend for use with Front / Mid Scarifier.		\$3,010.00

Code	Description	QTY List Price (USD)
6830	Rear Hitch and Pin Not for use with Rear Ripper/Scarifier.	\$581.00
6850	No Rear Attachment	No Added Cost
	Transmission	Basic Factory Options - Required
5510	Autoshift Transmission	\$2,060.00
5515	Autoshift Plus Transmission Auto-Shift Plus allows operators to seamlessly transition from a stop to full speed without shifting or using the inching pedal. This is achieved by modulating the torque through the transmission, instead of the transmission acting as a direct drive.	\$3,090.00
5520	Manual Shift Transmission (no Autoshift)	No Added Cost
	Transmission Solenoid Guard	Basic Factory Options - Required
5710	Transmission Solenoid Valve Guard Required with engine code 1140. Required for Russia. Recommended for snow plowing applications	\$230.00
	Wheels and Tires	Basic Factory Options - Required
	Tire selection should be made with consideration for the machine weight and all (OEM and aftermarket). Each tire has a maximum load rating that is not to be exce load ratings of the tires without first consulting the local tire supplier could result warranty. Max load rating is shown next to each tire size and type below Each selection includes a set of 6 tire/rim assemblies. NOTE: If a No Brand Preference code is selected a 9000 code in the Attachment- automatically be selected as well. This is required to enable the factory to source	eeded. Failure to abide by the t in nullification of the tire Order as Desired section will

4419	Galaxy	\$23,258.00
4417	Bridgestone VUT	\$24,439.00
4416	Michelin XGLA2	\$25,726.00
4918	No Brand Preference	\$22,313.00
	14.0R24 G2/L2 Single Star Radial Tires With 3 Piece Rims	
4316	Firestone SGG	\$19,166.00
	14.0-24 16 PR G2 Bias Tires With 3 Piece Rims	
	Radial: 14.0R24 radial tire, maximum per tire load 8050 lbs. 17.5R25 radial tire, maximum per tire load 8048 lbs. 20.5R25 radial tire, maximum per tire load 10,200 lbs. 550/65R25 radial tire maximum per tire load 10,055 lbs. Radial Tires: Recommended for puncture resistance, fuel economy and increased traction.	
	13.0-24 16 ply tire, maximum per tire load 7160 lbs. 14.0-24 16 ply tire, maximum per tire load 8040 lbs. 17.5-25 16 ply tire, maximum per tire load 7380 lbs.	
	Bias Ply: 13.0-24 12 ply tire, maximum per tire load 6000 lbs. 14.0-24 12 ply tire, maximum per tire load 6800 lbs. 17.5-25 12 ply tire, maximum per tire load 6400 lbs.	
	All Tires are tubeless unless stated differently. All wheels on 6WD models are 3 piece rims.	

Code	Description	QTY	List Price (USD)
	14.0R24 G2/L2 Single Star Radial Snow Tires With 3 Piece Rims		
4426	Michelin SnoPlus		\$30,742.00
	17.5-25 16 PR G2/L2 Bias Tires With 3 Piece Rims		
4516	Firestone SGG		\$23,390.00
	17.5R25 L2 Single Star Radial Tires With 3 Piece Rims		
4924	No Brand Preference		\$24,938.00
4615	Bridgestone VKT		\$28,991.00
4616	Michelin XTLA		\$30,058.00
4617	Bridgestone VUT		\$28,330.00
4629	Galaxy		\$26,093.00

Code	Description	QTY List Price (USD)
	17.5R25 G3/L3 Single Star Radial Tires With 3 Piece Rims	
4626	Michelin XHA2	\$33,800.00
	17.5R25 G2/L2 Single Star Radial Tires With 3 Piece Rims	
4636	Michelin SnoPlus	\$35,445.00
4637	Bridgestone Snow Wedge	\$33,420.00
4920	No Brand Preference	\$32,243.00
	LESS WHEELS AND TIRES	
4000	Less Tires & Wheels Not available for Russia.	No Added Cost
	Fenders	Basic Factory Options - Required
7810	Front Fenders	\$2,339.00
7820	No Front Fenders	No Added Cost

Code	Description	QTY	List Price (USD)
	Operator's Manual and Decals	Basic Factory	Options - Required
2605	English Manual W/ English Labels & Decals		No Added Cost
2615	French Manual W/ French Labels & Decals		No Added Cost
2635	English Manual W/ No Text Labels & Decals		No Added Cost
	Optional		
	Cold Start Packages	Field Installed Atta	chments - Optional
9360	Engine Block Heater Recommended for use on machines that will be operating above 8,000 feet (2440 meters) in altitude, and/or colder than 0 degrees F (-18 degrees C). Includes all weather receptacle conveniently located at ground level Requires: Code 1610 Hydraulic Pump Disconnect		\$376.00
9370	Ether Starting Aid		\$516.00
	Requires 9.0L engine, codes 1112, 1120 or 1140 Cannot be used with code 9340, Engine Air Intake Manifold Pre-Heater		
	Ether is not included.		
9620	Cold Weather Control Valve Covers Plastic covers that mount below the cab, shielding the control valve from snow and slowing down hydraulic heat loss in winter. Requires code 1010 standard hydraulics.		\$224.00
	Air Cleaner	Field Installed Atta	chments - Optional

Code	Description	QTY List Price (USD)
9380	Heavy Duty Air Cleaner - 9.0L 14 in	\$1,091.00
	Engine code 1140 only 15% larger capacity	
9395	Adjusting Rotary Ejector Precleaner	\$601.00
	Requires code 9380 Ability to raise engine pre-cleaner to improve air filter performance.	
	Sun Protection	Field Installed Attachments - Optional
9130	Rear Retractable Sun Shade	\$244.00
	Miscellaneous	Field Installed Attachments - Optional
9210	Decelerator	\$328.00
	Grade Control System	Field Installed Attachments - Optional
9215	AUTOMATION SUITE	\$4,500.00
	Requires code 1020 or 1030. Includes Auto-Articulation, Blade Flip, Machine Preset, and Auto-Pass.	
9225	BLADE FLIP	\$1,500.00
	Requires code 1020 or 1030. Enables the operator to automatically circle the blade to a preset angle by double tapping the circle rotate control.	

Code	Description	QTY	List Price (USD)
	Requires code 1020 or 1030. Single button on the SSM activates multiple functions (Return-to-Straight, Auto-shift, lights, etc.). Configurable in monitor. Now includes auto Blade Stow.		
9235	AUTO ARTICULATION		\$2,000.00
	Requires code 1020 or 1030. Automatically articulates the grader when steering the front wheels. Can be turned on and off by the SSM. Can be operated in forward only or forward and reverse.		
9250	AUTO PASS		\$1,500.00
	Requires code 1020 or 1030. Auto Pass reduces operator input of repetitive functions at the beginning and end of grading passes. Auto Pass is programmable through the monitor. At the beginning of a pass, options include lowering the blade to a pre- determined elevation and enabling SmartGrade automatically (if equipped). At the end of a pass, options include raising the blade, automatically engaging blade flip (if equipped) to rotate the blade to a pre- determined angle, and stowing the ripper. Joystick controls enable beginning of pass and end of pass capabilities. Fingertip controls enable beginning of pass capabilities only.		
	Automation	Field Installed At	tachments - Optional
9245	Machine Damage Avoidance Requires code 1020 or 1030		\$4,000.00
	Prevents the moldboard from contacting the tires, cab and cab steps. In addition, prevents the saddle linkage from contacting the top of the draft frame. Operator can override as needed.		
	Moldboard and Circle Additional Equipment	Field Installed At	tachments - Optional
9450	Reversible Overlay End Bits		\$580.00
	Not available for Russia.		
9460	Left Hand Moldboard Extension, 2 foot in length		\$2,518.00
	By selecting this option, the 2 foot extension is automatically sized (height, thickness and hardware size) to match the moldboard. Requires moldboard code 2060, 2070, 2080 or 2081. Not available with 9465 (right hand moldboard extension) on the same machine.		

Code	Description	QTY	List Price (USD)
	Not available for Russia.		
9465	Right Hand Moldboard Extension, 2 foot in length		\$2,518.00
	By selecting this option, the 2 foot extension is automatically sized (height, thickness and hardware size) to match the moldboard. Requires moldboard code 2060, 2070, 2080 or 2081. Not available with 9460 (left hand moldboard extension) on the same machine.		
	Lighting	Field Installed At	tachments - Optional
9270	Tall ( 26in.(660mm) higher than Standard Frame Lights) Front Snow Plow Light Bar		\$384.00
	Not for use with code 6730 Mid Mount Scarifier.		
9271	Front & Rear Light Extensions (Non-EU Countries)		\$419.00
	Includes rear license plate bracket & light		
9273	Right Side Engine Compartment Work Light		\$254.00
9275	License Plate Bracket and Light		\$174.00
9276	Front License Plate Bracket		\$40.00
	Bracket is mounted to the front center of the operator station roof. Does not include a light		
	Beacon Lighting	Field Installed At	tachments - Optional
9290	Flip Down Cab Beacon Bracket (RH)		\$171.00
	Order codes 9290 and 9295 for dual beacon brackets.		
9295	Flip Down Cab Beacon Bracket (LH)		\$171.00
	Order codes 9290 and 9295 for dual beacon brackets.		

Code	Description	QTY List Price (USD)
9298	Beacon with Flip Down Cab Beacon Bracket (RH) Includes beacon and bracket. Order codes 9298 and 9299 for dual beacons.	\$735.00
9299	Beacon with Flip Down Cab Beacon Bracket (LH) Includes beacon and bracket. Order codes 9298 and 9299 for dual beacons.	\$735.00
	Scarifier and Ripper Attachments	Field Installed Attachments - Optional
9430	(9) Extra Scarifier Shanks w/Teeth For Rear Ripper/Scarifier Requires Code 6810 Ripper/Scarifier.	\$1,648.00
9440	(2) Extra Ripper Shanks w/Teeth For Rear Ripper/Scarifier Requires Code 6810 Ripper/Scarifier.	\$1,391.00
	Fire Extinguisher	Field Installed Attachments - Optional
9220	5.0 lbs. multi purpose (ABC) Dry Chemical Fire Extinguisher	\$141.00
	Signs	Field Installed Attachments - Optional
9280	Slow Moving Vehicle (SMV) Sign	\$93.00
	Miscellaneous	Field Installed Attachments - Optional
9625	Secondary Steering: FT4 / SV machines only - electric motor system	\$5,118.00

Code	Description	QTY	List Price (USD)
9630	Secondary Steering: Stage 2 / Tier 3 machines only - accumulator system		\$4,677.00
9820	Wheel Chocks		\$715.00
	Wheels and Tires Fie	eld Installed At	tachments - Optional
9246	Spare Tire and Rim - 14.0R24 Galaxy G2/L2 Single Star Radial Tire With 3 Piece Rim		\$3,031.00
	Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine.		
9426	Spare Tire and Rim - 14.0R24 Michelin SnoPlus Single Star Radial Snow Tire With 3 Piece F	Rim	\$4,256.00
	Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine.		
9615	Spare Tire and Rim - 17.5R25 BRIDGESTONE VUT SINGLE STAR RADIAL TIRE W/3 PC RIM		\$3,734.00
	Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine		
9616	Spare Tire and Rim - 17.5R25 Michelin XTLA Single Star Radial Tire With 3 Piece Rim		\$4,222.00
	Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine.		
9247	Spare Tire and Rim - 17.5R25 Galaxy G2/L2 Single Star Radial Tire With 3 Piece Rim		\$3,492.00
	Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine.		
9636	Spare Tire and Rim - 17.5R25 Michelin SnoPlus Single Star Radial Snow Tire With 3 Piece R	Rim	\$4,919.00
	Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine.		

Code	Description	QTY List Price (USD)
9718	14.0R24 G2/L2 1 STAR NO BRAND PREFERRED WITH 3PC RIM	No Added Cost
9720	17.5R25 G2/L2 1 STAR SNOW NO BRAND PREFERRED WITH 3PC RIM	No Added Cost
9724	17.5R25 L2 1 STAR NO BRAND PREFERRED WITH 3PC RIM	No Added Cost
	Fenders	Field Installed Attachments - Optional
9005	Rear Wheel Fenders 18.75 in.(476mm) Rear Wheel Fenders Fenders are not for use with 550 tires. Fenders can only be used with chains that are designed for 3" of radial clearance and 1.75" of sidewall clearance. Use of Tire chains permitted in accordance with SAE J683, and requires removal of front mud flap on rear fenders.	\$3,819.00
	Operator's Manual and Decals	Field Installed Attachments - Optional
9330	Finish Paint Less Decals For use when custom paint is required Decals packaged with machine.Some decals installed.	No Added Cost
	Attachments	
	Grade Control	Field Installed Attachments - Optional

Code	Description	QTY	List Price (USD)
	Note: This software can only be purchased through JDPoint. For installation instructions refer to BYT12216 available through online Bookstore Suggested list price only.		
AT497134	Software, Auto Articulation (JDPoint Service Part)		\$1,647.24
	Requires code 1020 or 1030. Automatically articulate the grader when steering the front wheels. Can be turned on and off by the SSM. Can be operated in forward only or forward and reverse. S/N 693168 and newer Note: This software can only be purchased through JDPoint. For installation instructions refer to BYT11065 available through online Bookstore. Suggested list price only.		
AT524673	<ul> <li>Software, Auto Pass (JDPoint Service Part)</li> <li>Auto Pass reduces operator input of repetitive functions at the beginning and end of grading passes and is programmable through the monitor. Beginning of pass options include: lowering the blade to a pre-determined elevation and enabling SmartGrade automatically (if equipped). End of pass options include: raising the blade, automatically engaging blade flip (if equipped) to rotate the blade to a pre-determined angle, and stowing the ripper. Joystick controls enable beginning of pass and end of pass capabilities. Fingertip controls enable beginning of pass capabilities only.</li> <li>Note: This software can only be purchased through JDPoint. For installation instructions refer to BYT12214 available through online Bookstore. Suggested list price only.</li> </ul>		\$1,294.26
AT497132	Software, Blade Flip (JDPoint Service Part) Requires code 1020 or 1030. Enables the operator to automatically circle the blade to a preset angle by double tapping the circle rotate control. S/N 693168 and newer. Note: This software can only be purchased through JDPoint. For installation instructions refer to BYT11064 available through online Bookstore. Suggested list price only.		\$1,294.26
AT497135	<ul> <li>Software, Machine Presets (JDPoint Service Part)</li> <li>Requires code 1020 or 1030.</li> <li>Single button on the SSM activates multiple functions (Return-to-Straight, Auto-shift, lights, etc.). Configurable in monitor. Now includes auto Blade Stow.</li> <li>S/N 693168 and newer.</li> <li>Note: This software can only be purchased through JDPoint.</li> <li>For installation instructions refer to BYT11066 available through online Bookstore.</li> <li>Suggested list price only.</li> </ul>		\$1,294.26

Code	Description	QTY	List Price (USD)
AT497136	Software, Automation Suite (JDPoint Service Part) Requires code 1020 or 1030 Includes Auto-Articulation, Auto-Pass, Blade Flip and Machine Preset. S/N 693168 and newer Note: This software can only be purchased through JDPoint. For installation instructions refer to BYT11067 available through online Bookstore Suggested list price only.		\$3,765.12
BYT10506	TopCon Grade Control Ready Installed for G models, JRB or Paladin Installed G (antler rack) machines only (requires code 1010). Includes installation of parallel EH valves.		\$27,136.00
BYT10476	Trimble Grade Control Ready Installed for G Models, JRB or Paladin Installed G(Antler Rack) machines only. Includes installation of parallel EH valves.		\$22,613.00
	Overall Vehicle	Field Installed Att	achments - Optional
AT542931	S2/T3 Air Compressor Field Kit Software (JDPoint Service Part)		See Parts
BYT10417	Front Wheel Fenders - 6WD 18.75 in.(476mm) Front Wheel Fenders Not for use with 550 Tires. Use of Tire chains permitted in accordance with SAE J683. S/N 678818 and after.		\$2,224.00
AT400762	Rear Wheel Fenders 18.75 in.(476mm) Rear Wheel Fenders Fenders are not for use with 550 tires. Fenders are not recommended for use with tires chains and are designed for a maximum of 3" of radial clearance and 1.75" of sidewall clearance. Use of Tire chains is permitted in accordance with SAE J683.		\$5,420.00
AT345815	Front Wheel Fenders 18.75 in.(476mm) Front Wheel Fenders Not for use with 550 Tires. Use of Tire chains permitted in accordance with SAE J683. S/N 678817 and before.		\$1,913.00
AT399789	Single LED work light with symmetric lens Replacement for both 12V & 24V work and drive lamps.		\$434.00

Code	Description	QTY	List Price (USD)
BYT11475	Secondary Steering Field Kit - FT4, S5		\$2,312.00
	Compatible with all Stage 5 units and FT4 serial number: 706229 +. Please order/download AT514472 Software from JD Point.		
BYT12858	Air Compressor Field Kit - S2, T3 with Installation		\$9,009.00
	S2/T3 serial number: 693169 – current. Includes Installation by Paladin Custom Works Requires AT542931 software ordered through JDPoint.		
BYT12158	Secondary Steering Field Kit - S2, T3		\$2,312.00
	S2/T3 serial number: 678818 - 706228 (average installation, 12.0 hours)		
AT367585	Secondary Steering - S2, T3, iT4		\$2,312.00
	Average installation, 12.0 hours. S/N 678817 and before.		
AT408630	Beacon Strobe kit		\$242.00
	Light Only		
AT399788	Single LED work light with high beam lens		\$434.00
	Replacement for both 12V & 24V work and drive lamps.		
BYT12247	Air Compressor Field Kit - S2, T3		\$4,274.00
	S2/T3 serial number: 693169 - current Parts only. Does not include installation. For parts & installation see BYT12858		
BYT12165	Secondary Steering Field Kit - FT4		\$2,312.00
	FT4 serial number: 678818 - 706228 (average installation, 12.0 hours)		
AT370909	Slow Moving Vehicle Emblem for all T3, IT4 and FT4 Machines		\$125.00
BYT10458	RH Beacon Bracket		\$166.00
BYT10457	Heated Mirror		\$208.00

Description	QTY	List Price (USD)
LH Beacon Bracket		\$166.00
Powertrain	Field Installed Attach	ments - Optional
Auto Shift Plus (JDPoint Service Part) Auto-shift Plus allows operators to seamlessly transition from a stop to full speed without shifting or using the inching pedal. This is achieved by modulating the torque through the transmission, instead of the transmission acting as a direct drive. Note: This software can only be purchased through JDPoint. For installation instructions refer to BYT12224 available through online Bookstore.		\$2,279.00
Autoshift Transmission Field Kit See JDPoint for pricing		\$1,537.00
S2/T3 Auto Shift Plus Harness - Field Kit Required for S/N 678818-711395 Please visit JD Point to order software AT524675		\$218.00
FT4/S5 Auto Shift Plus Harness - Field Kit Required for S/N 678818-711395 Please visit JD Point to order software AT524675		\$218.00
Operator Environment	Field Installed Attach	ments - Optional
Rear Camera Field Kit (S2/T3) S/N 678817 and before.		\$2,617.00
Dual Joystick to Fingertip Control Conversion Kit S/N 678818 and after		\$5,576.00
	LH Beacon Bracket         Powertrain         Auto Shift Plus (JDPoint Service Part)         Auto-shift Plus allows operators to seamlessly transition from a stop to full speed without shifting or using the inching pedal. This is achieved by modulating the torque through the transmission, instead of the transmission acting as a direct drive.         Note: This software can only be purchased through JDPoint. For instillation instructions refer to BYT12224 available through online Bookstore.         Suggested list price only.         Auto Shift Plus Harness - Field Kit         Required for S/N 678818-711395         Please visit JD Point to order software AT524675         FT4/S5 Auto Shift Plus Harness - Field Kit         Required for S/N 678818-711395         Please visit JD Point to order software AT524675         Coperator Environment         Rear Camera Field Kit (S2/T3)         S/N 678817 and before.         Dual Joystick to Fingertip Control Conversion Kit	LH Beacon Bracket         Powertrain       Field Installed Attach         Auto Shift Plus (JDPoint Service Part)       Auto-shift Plus (JDPoint Service Part)         Auto-shift Plus (JDPoint Service Part)       Auto-shift Plus lows operators to seamlessly transition from a stop to full speed without shifting ou using the inching pedal. This is achieved by modulating the torque through the transmission, instead of the transmission acting as direct drive.         Note: This software can only be purchased through JDPoint.       For installation instructions refer to BY112224 available through online Bookstore.         Suggested list price only.       Suttoshift Transmission Field Kit         See_JDPoint for pricing       Set JD Point to order software AT524675         FT4/S5 Auto Shift Plus Harness - Field Kit       Required for S/N 678818-111395         Please visit JD Point to order software AT524675       Field Installed Attach         Rear Carnera Field Kit (S2/T3)       S/N 678817 and before.         Dual Joystick to Fingertip Control Conversion Kit       Set

Code	Description	QTY List Price (USD)
BYT10509	Slope Meter Field Kit For G models only, not compatible with GP. Requires code 1010.	\$58.00
BYT10366	GP Armrest Extension Field Kit Extends GP armrests up 100 MM forward. Widens armrests up to 20 mm each side.	\$329.00
BYT10358	Fingertip Control to Dual Joystick Conversion Kit S/N 678818 and after	\$5,576.00
	Rear Attachments	Field Installed Attachments - Optional
BYT10801	Rear Mounted Ripper/Scarifier Combination Rear Mounted Ripper/Scarifier Combination Includes rear mounted ripper/ scarifier with rear hitch and pin, three 2 x 5 inch ripper shanks, cylinders and hoses for rear ripper/scarifier. When not equipped with front mounted equipment, requires ripper hydraulics. Cannot be used with rear hitch. Requires 5th section valve code 6620 or order AT458173. Average installation, 8 hours.	\$15,218.00
AT415551	Rear Scarifier Shanks (9) Includes nine (9) each of shanks, retainers, and holders.	\$1,295.00
	Moldboard & Circle	Field Installed Attachments - Optional
AT341306	Moldboard Extension, 27X 24 X 5/8 In. Left Hand 5/8 in. (16mm) thick Includes 3/4 in. (19mm) Hardware Cutting Edge is not included.	\$3,080.00
AT307732	Moldboard Extension, 27 X 24 X 5/8 In. Left Hand 5/8 in. (16mm) thick Includes 5/8 in. (17mm) Hardware Cutting Edge is not included.	\$3,080.00
AT307733	Moldboard Extension, 27 X 24 X 5/8 In. Right Hand	\$3,080.00

Code	Description	QTY	List Price (USD)
	5/8 in. (16mm) thick Includes 5/8 in. (17mm) Hardware. Cutting Edge is not included.		
AT341307	Moldboard Extension, 27 X 24 X 5/8 In. Right Hand 5/8 in. (16mm) thick Includes 3/4 in. (19mm) Hardware Cutting Edge is not included.		\$3,080.00
BYT10145	Dual Input Circle Drive Gearbox (with Slip Clutch) for Grade Pro Controls		\$7,129.00
	Protects circle, circle drive gearbox and draft frame from damage when end of moldboard comes in contact with stationary objects. Slip clutch is integral to the circle drive assembly and utilizes a wet clutch system. Cannot be used with code 2220 inserts. For use with G-series (code 1020 OR 1030 "Grade Pro" Electro Hydraulic Controls).		
AT307731	Moldboard Extension, 24 x 24 x 5/8 In. Right Hand		\$3,080.00
	5/8 in. (16mm) thick Includes 5/8 in. (17mm) Hardware) Cutting Edge is not included. - Also available for D-series machines		
AT307730	Moldboard Extension, 24 X 24 x 5/8 in. Left Hand		\$3,080.00
	5/8 in. (16mm) thick. Includes 5/8 in. (17mm) Hardware Cutting Edge is not included. - Also available for D-series machines		
BYT12036	Dual Circle Drive Kit		\$6,652.00
BYT12180	GP Blade Impact - Field Kit		\$3,827.00
BYT12181	GX Blade Impact - Field Kit		\$4,155.00
	Hydraulics	Field Installed Atta	chments - Optional

Code	Description	QTY List Price (USD)
BYT12183	Grade Pro EH Controls Hydraulics Auxiliary Section For only Grade Pro G-Series Graders. Requires mini joystick and or dual control levers.	\$1,702.00
BYT12182	5 Function valve section and linkage Left Kit Includes detented float. Installation instructions T213708	\$974.00
BYT12189	5 Function valve section and linkage Right Kit Includes detented float. Installation instructions T213708	\$1,199.00
BYT12190	One Hand Blade Lift with Control Valve Kit To convert two-handed blade lift controls to one-handed controls on the right side, when the machine is NOT already equipped with a RH 5th function valve. Installation instructions T213709.	\$1,285.00
BYT12184	6 Function valve section and linkage Left Kit	\$984.00
BYT12192	7 Function valve section and linkage Right Kit	\$885.00
BYT12191	6 Function valve section and linkage Right Kit	\$1,265.00
BYT12185	7 Function valve section and linkage Left Kit	\$885.00
	Front Attachments	Field Installed Attachments - Optional
AT363681	Front Push Block 2,950 lbs.	\$7,061.00
BYT12160	Front Balderson-Style Lift - Field Kit	\$9,373.00

Code	Description	QTY	List Price (USD)
BYT12163	Front Larger Dozer Blade - Field Kit		\$12,021.00
BYT12159	Front Scarifier - Field Kit		\$9,845.00
BYT12162	Front Dozer Blade - Field Kit		\$11,803.00

Manufacturer's Suggested List Price shown. Retail prices may vary by dealer. Unless stated otherwise, taxes, freight, setup, delivery and other dealer specific charges not included in the pricing. Options/items noted with anything other than price will have additional costs. Pricing, availability, and specifications subject to change without notice. Special program pricing may be available on certain models. See dealer for details. Prices shown are in U.S. dollars and valid only in the U.S.



# STANDARD WARRANTY FOR NEW JOHN DEERE CONSTRUCTION, COMPACT CONSTRUCTION (CCE) FORESTRY, AND UTILITY PRODUCTS – US & CANADA

- Construction & Forestry Products: 12 months/unlimited hours (whichever occurs first) Full Machine Standard Warranty
- Compact Construction Equipment (CCE) Products: 24 months or 2000 hours (whichever occurs first) Full Machine Standard Warranty
- C&E Series Pull-Type Scrapers: 6 months Full Machine Standard Warranty
- DC & DE Pull-Type Scrapers: 12 months Full Machine Standard Warranty
- Scraper Tractors: 24 Months or 2000 Hours (whichever occurs first) Full Machine Standard Warranty
- Forestry Attachments: 12 Months or 2000 Hours (whichever occurs first) Full Machine Standard Warranty

The "Standard Warranty" is part of the warranty protection package available from John Deere Construction & Forestry Company (John Deere Limited in Canada) ("John Deere") to purchasers of new John Deere products ("product"):

**STANDARD Warranty** is John Deere's standard new product warranty, described in this document, provided at no additional charge to the purchaser.

**EXTENDED Warranty** is a separate repair contract made available by John Deere for purchasers who wish to complement their Standard Warranty coverage. Complete Extended Warranty details, including coverage options and limitations, are set forth in the Application for Extended Warranty, which is available from authorized John Deere dealers.

STRUCTURALL Warranty applies to certain structural components as listed below and as described in this document.

**FACTORY-INSTALLED UNDERCARRIAGE Warranty** applies to certain undercarriage components as listed below and as described in this document.

# A. STANDARD WARRANTY - GENERAL PROVISIONS

John Deere will repair or replace, at its option, any parts (except those specified below) of a new John Deere product that, as delivered to the original retail purchaser(s), are defective in material or workmanship. Performance of this warranty will be free of charge for parts and labor, except as otherwise stated below. Standard Warranty applies only to purchases from John Deere and authorized John Deere dealers and, except as otherwise provided in the next sentence and section L below, is extended only to the original retail purchaser of the product. Remaining Standard Warranty applicable to a used John Deere product is transferred to a -subsequent purchaser of the product only if the subsequent purchaser requests a transfer from an authorized John Deere dealer before the product's Standard Warranty expires. Coverage begins on the date of delivery of the product to the original retail purchaser. For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. Warranty statements required by law covering engine emissions-related parts and components are found on a separate written warranty certificate provided to the purchaser at the time of the original retail purchase.

#### B. WHAT IS COVERED BY STANDARD WARRANTY

All parts of a new John Deere product (except those noted in Sections D and E below) are covered during the Standard Warranty period set out above.

#### C. EXCLUSIVE REMEDY

The repair or replacement of covered parts or components that are defective, as provided in Sections A, B, D.2 and D.3 herein, shall be the purchaser's exclusive remedy for any defect in the product. However, if after repeated attempts such repair or replacement fails to correct the performance problem caused by the defect, the purchaser's sole remedy shall be a refund of the amount paid for the product (in exchange for a return of the product), excluding any transportation charges, license fees, taxes and insurance premiums, and less a reasonable allowance for use of the product prior to its return. In no event will the dealer, John Deere or any company affiliated with John Deere be liable for any incidental or consequential damages, including but not limited to loss of profits, rental of substitute equipment or other commercial loss. Correction of defects in the manner provided above shall constitute fulfillment of

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all liabilities of the Dealer, John Deere, or any company affiliated with John Deere to the purchaser or any other person, whether based upon contract, tort, strict liability, or otherwise. This limitation does not apply to claims for personal injury.

## A. ITEMS COVERED SEPARATELY -

- 1. <u>Standard Warranty</u> does not apply to batteries, radios, tires, cameras, or to Cummins, MTU or Detroit Diesel Engines installed in John Deere products, which are covered by separate written warranties.
- 2. <u>Factory-Installed Undercarriage Warranty</u> covers all non-rubberized factory-installed undercarriage wear components for 3 years or 4,000 hours from the date of delivery to the original retail purchaser, whichever occurs first (unless terminated earlier under Section F, below). For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. In addition to the items listed in section E below, Factory-Installed Undercarriage Warranty does not cover: failures due to wear, machine application, maintenance practices, or improper machine configuration; removal and installation labor; transportation or hauling costs; unapproved parts; non-wear items; and rubberized undercarriage components such as rubber tracks. Warranty claims will be pro-rated based upon wear of the failed component and whether track shoe width is approved by John Deere. Factory-Installed Undercarriage Warranty does not apply to Scraper Tractors.
- 3. <u>StructurALL Warranty</u> for new John Deere Products (except Compact Excavators & Loaders, Skid-Steer Loaders, Compact Track Loaders, Scraper Tractors, Pull-Type Scrapers, and Forestry Attachments, which are not eligible for StructurALL Warranty) begins at the date of delivery to the original retail purchaser and ends (unless terminated earlier under Section F, below) after three (3) years, or 10,000 hours (whichever occurs first). For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. StructurALL Warranty applies only to the following structural components listed below as installed on the product at the time of original manufacture. If a particular component is not listed below it is not covered by StructurALL Warranty.

Arm; Articulation Joint (incl. pins & bushings); Bin Frame; Boom; Carbody; C-Frame\*; Circle Frame; Coupler (John Deere built ONLY); Dipperstick; Draft Frame; Engine Frame; Equipment Frame; Grapple Arch and Grapple Boom; Loader Arm; Loader Frame; Mainframe; Moldboard Lift Arm; Pushbeam, NeverGrease™ Pin Joints [Includes steering pin and bushing joints (standard equipment), roller elements (roller bearings) in bucket to boom joints and sliding elements (bushing) for boom and linkage joints (optional equipment)]; Rollover Protection Structure (ROPS); Side Frame; Swing Frame; Track Frame; Undercarriage Frame; X-Frame; Z-bar loader linkage (including bell crank and bucket driver link); Specialty booms and arms marketed as "heavy duty" by John Deere.

*Items Covered by StructurALL for Cut-to-Length Forestry Machines*: Front frame (welded assembly); Rear frame (welded assembly); Crane king post with basement; Middle joint frame; Cabin swing frame; Main Boom

StructurALL Warranty does not apply to:

- Any product used primarily in extreme duty or severe duty applications such as but not limited to: demolition and wrecking, chemical plant (including fertilizer plants), salt mines, steel mill, land fill and transfer stations, scrap handling, scarifying and other applications that are similarly destructive or similarly heavy duty except specialty booms and arms as stated in Section D.3 above.
- 2. C-Frames on Crawlers equipped with root rakes or used in forestry applications unless equipped with an "extreme duty" reinforcement package.
- 3. Cut-to-Length Forestry Heads and Slash Bundler Units.
- 4. Crawlers equipped with optional side booms.
- 5. Cut-to-Length Forestry, Excavator, and Log Loader swing bearings.
- 6. Motor Graders equipped with front- or rear-mounted snow wings.

# A. ITEMS NOT COVERED -

John Deere is NOT responsible for the following:

- 1. Freight.
- 2. Adjustments to compensate for wear, for periodic maintenance or adjustments that result from normal wear and tear.
- 3. Damage caused by unapproved adjustments (electronic or mechanical) to machine or machine components outside of published specifications including but not limited to engine, hydraulic components and relief valves.
- 4. Program updates, calibrations, and pressure adjustments.
- 5. Additional Labor Time Above Dealer Labor Rate.
- 6. Additional Cleaning Above Dealer Labor Rate.
- 7. Rental Fees.
- Depreciation or damage caused by normal wear or application, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, lack of proper protection during storage, vandalism, negligence, collision, expenses to seek reinstatement of warranty following theft or loss of Product, or otheraccidents.
- 9. Premiums charged for Overtime Labor.
- 10. Transportation to and from the dealership.
- 11. Travel time, mileage, or service calls by the dealer.
- 12. Non-John Deere components or modifications, Rotobec grapples, and attachments installed aftermarket.
- 13. Shop supplies and maintenance items such as, but not limited to: filters, fuels, oil, hydraulic fluid, lubricants, coolants, conditioners, shop towels, cleaners and degreasers.
- 14. Torn, cut, or worn hoses.
- 15. Wear items, such as, but not limited to: body liner, belts, blades, bulbs, lubricated joints (including pins and bushings), dry brakes, brake linings, dry clutch linings, saw blades, chains, skidder grapple shocks, color marking nozzles, and articulation bumpers.
- 16. Items such as cutting-edge parts, delimbing knives, bucket teeth and rubber track are not warranted for depreciation or damage caused by normal wear, lack of proper maintenance, misuse, failure to follow operating instructions, the elements or accident.
- 17. Any defect in a non-covered component, or damage to or failure of a covered component caused by a defect in a noncovered component.
- 18. Secondary damage which occurs from continued operation of a product after recognition of the occurrence of a failure.
- 19. Parts supplied by or repairs, maintenance or modifications performed by someone other than an authorized John Deere dealer, including any damage caused by such use of parts, repairs, maintenance, or modifications not performed by an authorized John Deere dealer.
- 20. The use of "track type" tire chains on Feller Bunchers and Skidders is an unapproved modification. Warranty will be void on these machines using "track type" tire chains.
- 21. Topping off fluids when fluid levels fall in the range between low and full
- 22. Parts/Kits not ordered on machine and installed aftermarket. These parts will be covered by any applicable parts warranty.
- 23. Attachments installed aftermarket i.e., Winch not installed at factory.
- 24. Custom options installed outside the factory i.e., G.R. Manufacturing option packages.
- 25. Used Products (except as otherwise provided in section L below).
- 26. Lost or stolen Products.

## **B. TERMINATION OF WARRANTY-**

John Deere is relieved of its obligations under Standard Warranty, StructurALL Warranty, Factory-Installed Undercarriage Warranty and/or Extended Warranty if:

- 1. The product is modified or altered in ways not approved by John Deere; or
- 2. Any unapproved or improperly sized attachment is installed on the product. Approval and attachment size shall be at John Deere's sole discretion. (Consult dealer prior to installing attachments or product modification).
- 3. The product is moved outside the US and/or Canada.

# A. PARTS REPLACED UNDER WARRANTY -

Only new or remanufactured parts or components furnished or approved by John Deere, will be used if John Deere elects to repair the product. If any such part or component is defective in material or workmanship when installed in the product, John Deere will repair or replace, as it elects, such defective part or component, provided the defect is reported to an authorized John Deere dealer within 90 days of installation or before expiration of the applicable Standard Warranty, Factory-Installed Undercarriage Warranty and/or StructurALL Warranty whichever is later.

## **B. TELEMATICS**

NOTICE: Products may be equipped with telematics hardware and software ("Telematics") that transmit data to John Deere/ Dealer. Purchaser may deactivate Telematics at <u>www.jdlink.com</u>.

Notwithstanding Purchaser's right, title or interest in the Products, Purchaser agrees that John Deere and Dealer (their affiliates, successors and assigns), without further notice to Purchaser have the right to:

- 1. Access, use, collect and disclose any data generated by, collected by, or stored in, Products or any hardware or devices interfacing with Products ("Machine Data");
- Access Machine Data directly through data reporting devices integrated within, or attached to, Products, including Telematics ("Data Reporting Systems"); and
- 3. Update the Data Reporting Systems software from time to time. Machine Data will only be used in accordance with John Deere's Machine Data Policy, located at <a href="https://www.johnDeere.com/MachineDataPolicy">www.johnDeere.com/MachineDataPolicy</a>.

## C. OBTAINING WARRANTY SERVICE -

To obtain warranty service, the purchaser must request warranty service from a John Deere dealer authorized to sell the product to be serviced. When making such a request, the purchaser must present evidence of the product's delivery date, make the product available at the dealer's place of business, and inform the dealer in what way the purchaser believes the product to be defective. Standard Warranty, Factory-Installed Undercarriage Warranty and/or StructurALL Warranty repairs may be made in the field if the purchaser and servicing dealer so desire. However, John Deere will not be responsible for any charges (such as dealer travel time, mileage or extra labor) that would not have been incurred had the product been repaired at the dealer's place of business.

## D. NO IMPLIED WARRANTY, CONDITIONS OR OTHER REPRESENTATION -

Where permitted by law, neither John Deere nor any company affiliated with it makes any warranties, representations, conditions or promises, express or implied, as to the quality, performance, or freedom from defect of its products, other than those set forth in this document and **NO IMPLIED WARRANTY OF MERCHANTABILITY, CONDITIONS OR FITNESS IS MADE**.

#### E. NO DEALER WARRANTY -

The selling dealer makes no warranty of its own on any item covered by this warranty and makes no warranty on other items unless the dealer delivers to the purchaser a separate written warranty certificate specifically warranting the item. The dealer has no authority to make any representation or promise on behalf of John Deere, or to modify the terms or limitations of this warranty in any way.

#### F. USED JOHN DEERE PRODUCTS ONLY -

John Deere will transfer remaining Standard Warranty, Factory-Installed Undercarriage Warranty and/or StructurALL Warranty to the purchaser of a used John Deere construction and/or forestry product that has been used for less than the full warranty-period provided at the product's original retail purchase. This transfer is not effective until change of ownership is registered by a John Deere dealer. ALL THE TERMS, INLCUDING LIMITATIONS AND EXCLUSIONS, OF THE JOHN DEERE STANDARD WARRANTY, FACTORY-INSTALLED UNDERCARRIAGE WARRANTY, AND/OR STRUCTURALL WARRANTY ORIGINALLY PROVIDED FOR THE PRODUCT REMAIN IN EFFECT AND APPLICABLE.





Company ID Number: 513478

#### THE E-VERIFY PROGRAM FOR EMPLOYMENT VERIFICATION MEMORANDUM OF UNDERSTANDING

## ARTICLE I

## PURPOSE AND AUTHORITY

This Memorandum of Understanding (MOU) sets forth the points of agreement between the Department of Homeland Security (DHS) and <u>Warrior Tractor & Equipment Co., Inc.</u> (Employer) regarding the Employer's participation in the Employment Eligibility Verification Program (E-Verify). This MOU explains certain features of the E-Verify program and enumerates specific responsibilities of DHS, the Social Security Administration (SSA), and the Employer. E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of the Employment Eligibility Verification Form (Form I-9). For covered government contractors, E-Verify is used to verify the employment eligibility of all newly hired employees and all existing employees assigned to Federal contracts or to verify the entire workforce if the contractor so chooses.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). Authority for use of the E-Verify program by Federal contractors and subcontractors covered by the terms of Subpart 22.18, "Employment Eligibility Verification", of the Federal Acquisition Regulation (FAR) (hereinafter referred to in this MOU as a "Federal contractor with the FAR E-Verify clause") to verify the employment eligibility of certain employees working on Federal contracts is also found in Subpart 22.18 and in Executive Order 12989, as amended.

#### ARTICLE II

#### **FUNCTIONS TO BE PERFORMED**

#### A. RESPONSIBILITIES OF SSA

1. SSA agrees to provide the Employer with available information that allows the Employer to confirm the accuracy of Social Security Numbers provided by all employees verified under this MOU and the employment authorization of U.S. citizens.

2. SSA agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. SSA agrees to provide the Employer with names, titles, addresses, and telephone numbers of SSA representatives to be contacted during the E-Verify process.

3. SSA agrees to safeguard the information provided by the Employer through the E-Verify program procedures, and to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security Numbers and for evaluation of the E-Verify program or such other persons or entities who may be authorized by SSA as governed

www.dhs.gov/E-Verify





Company ID Number: 513478

To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 888-464-4218.

Employer Warrior Tractor of	& Equipment C	o., Inc.	
Stanley McCracken			
Name (Please Type or Print)		Title	
Electronically Signed		03/01/2012	
Signature		Date	
Department of Homeland Secu	rity – Verificatio	n Division	
population of nonicialia cool	any vermeation		
<b>USCIS</b> Verification Division			
Name (Please Type or Print)		Title	
Electronically Signed		03/01/2012	
Signature		Date	
Infor	mation Require	d for the E-Verify Program	
		j · · · g	
Information relating to yo	ur Company		
internation relating to ye	al company.		
Company Name	e:Warrior Tractor &	k Equipment Co., Inc.	
Company Facility Addres	S:6801 McFarland	Bivd	
	Manthemant AL OF	470	
	Northport, AL 35	476	
Company Alternate			
Address:	P O Box 412		
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	Northport, AL 35	476	
County or Parish:	TUSCALOOSA		
Employer Identification			
Employer Identification Number:	630588737		
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## Company ID Number: 513478

North American Industry Classification Systems Code:	423
Administrator:	Warrior Tractor and Equipment Co., Inc.
Number of Employees:	100 to 499
Number of Sites Verified for:	1
Are you verifying for more the first tendencing the section of the	han 1 site? If yes, please provide the number of sites verified for
• ALABAMA	1 site(s)

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name:	Stanley N McCracken			
 Telephone Number:	(205) 339 - 0300	Fax Number:	(205) 333 - 0101	
E-mail Address:	wte024@warriortractor.com			

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