G-SERIES GWD MOTOR GRADERS

JOHN DEERE



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

DECIDE HOW WORK GETS DONE

VEEN



DEERE

MANY OPTIONS. CLEAR CHOICE.



WHEN YOU EXPLORE ALL THE OPTIONS, YOU'LL CHOOSE A DEERE GRADER.

Inspired by thoughts and ideas from you, our customers, our latest G-Series Graders take their proven reputation to the next level. More choices, including our Customer Advocate Group-tested dual-joystick controls. Expanded grade-control system options, including SmartGrade models with technology integrated directly into the machine to deliver more accurate grading results. And a smaller, more economical machine, the 622G. Existing models boast increased performance, along with a host of proven features to help you boost productivity and maximize uptime while lowering daily operating costs.



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.

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.

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.

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.

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.

Smarter from day one

Integration into the SmartGrade 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.



DEERE

TAKE CONTROL WITHOUT LIFTING A FINGER



SIZABLE SHIFT

Included on all G and Grade Pro (GP) models with fingertip controls, gate-less shifter builds upon Deere's proven Event-Based Shifting technology to allow operators to directly move the machine from forward to reverse, in any gear, at any time.



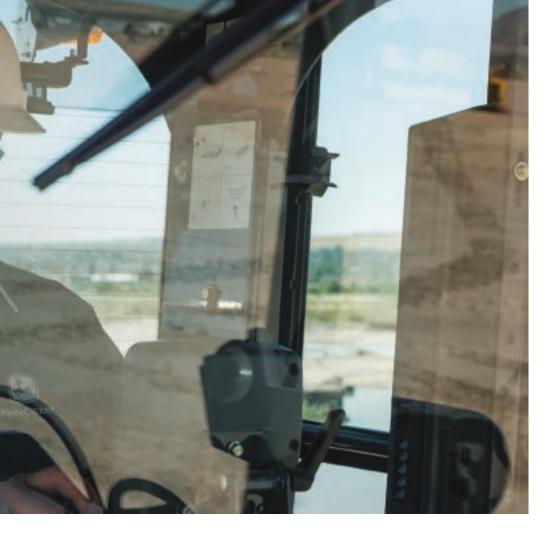
MODEL OF CONTROL

Deere dual-joystick controls, optional on all GP models (not available on G machines), require significantly less wrist motion to articulate the motor grader than competitive joystick controls.



AT YOUR FINGERTIPS

Eight armrest-mounted, fingertipactuated controls, including lever steer, are arranged in the industry-standard pattern on each side of the standard steering wheel. No extra grade-control levers are required. Instead, knobintegrated push buttons provide convenient, fingertip activation.





CHOICE OF CONTROLS:

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

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.

Suite deal

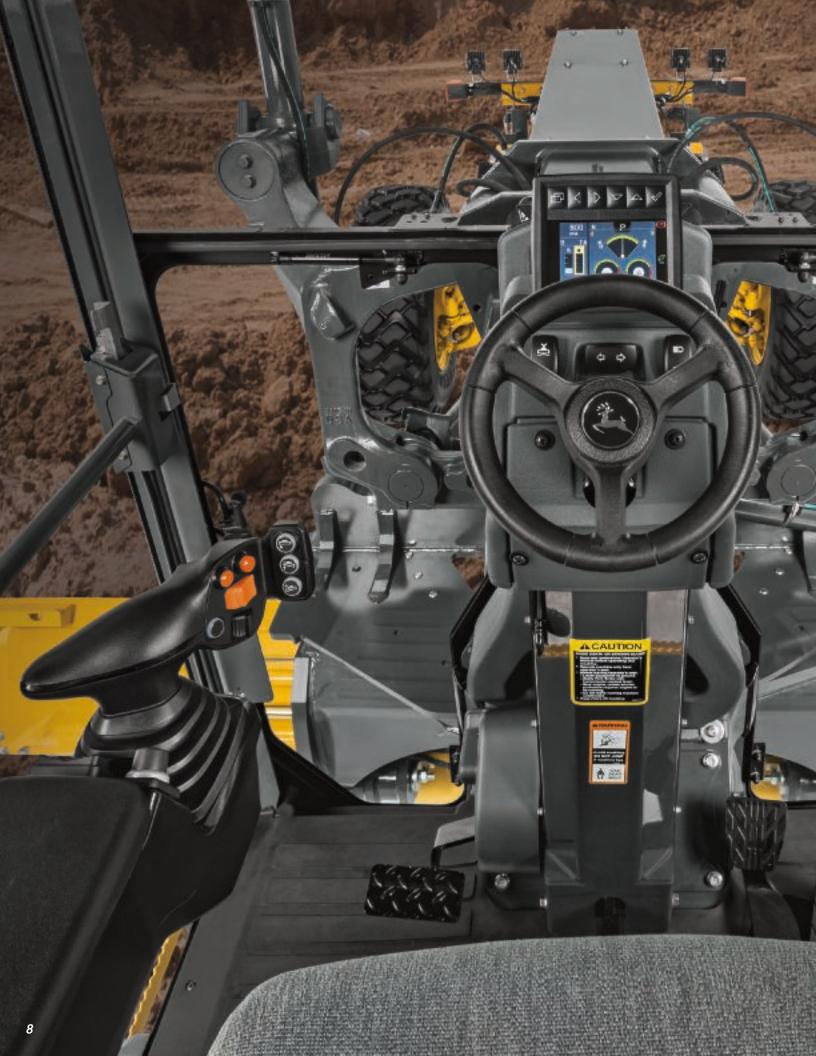
SmartGrade models include a standard Automation Suite (optional on GP models) that streamlines the number of controls needed to perform common tasks. **Auto-Articulation** combines front and rear steering. Use **Blade Flip** to automatically mirror the circle to a preset angle. **Machine Presets** allow operators to activate multiple machine functions, features, and positions with the press of a single button.

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.





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.



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.



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.

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.

Auto shutdown reduces fuel use and wear

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

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.

Get valuable insight with JOHN DEERE WORKSIGHT[™]

The John Deere WorkSight suite of construction technology delivers **Productivity Solutions** to help you get more done, more efficiently. The in-base, five-year JDLink[™] telematics subscription provides machine location, utilization data, and alerts to help you maximize productivity and efficiency. Other productivity solutions including grade-management and payload-weighing options are also available.

To maximize uptime and lower costs, JDLink telematics also enables **John Deere Connected Support.**[™] John Deere's centralized Machine Health Monitoring Center analyzes data from thousands of connected machines, identifies trends, and develops actions to prevent downtime called Expert Alerts. 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.

TIME TO TAKE SIDES.

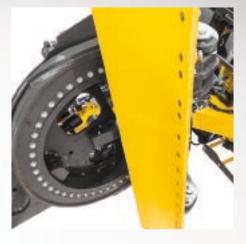


Fast, simple ground-level access

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.

Optional premium circle

This industry-leading design features a fully sealed bearing and pinion, reducing operating costs while delivering 40-percent more torque and 15-percent more speed than a traditional circle. Contractors will benefit from improved accuracy when using a grade-control system by no longer having to compensate for wear in the circle. This is especially impactful when coupled with the innovative John Deere SmartGrade[™] system.





SPECIFICATIONS

Engine	622G/GP		
Manufacturer and Model	John Deere PowerTech [™] PSS 6.8L	John Deere PowerTech™ 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	Full-flow spin-on filter and integral coo
Air Cleaner With Restriction Indicator	Dual element, dry	Dual element, dry	Dual element, dry
*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		ncreases tractive effort and front-end cont	
		os, axial-piston wheel motors, and freewhee	
		and inching capability down to 0 mph; preci	sion mode (propelled by front wheels or
Effective Gears	1–4 forward and reverse		
Precision Mode			
Precision Mode Effective Gears	1–3 forward only		
	1–3 forward only 0.4–8.0 km/h (0.25–5.0 mph)		
Effective Gears Operating Speeds			
Effective Gears	0.4–8.0 km/h (0.25–5.0 mph) 53 cm³ (3.2 cu. in.)		
Effective Gears Operating Speeds Hydrostatic Pumps (2 each)	0.4-8.0 km/h (0.25-5.0 mph)		
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 cu. in.) 38.7:1	'. modulated shift-on-the-oo. Event-Based)	Shiftina (EBS). inchina pedal: independe
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Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 cu. in.) 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	
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Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 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)	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)
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Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 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)	ation and cooling system with 117-L/min. (3 Gear 5 Gear 6 Gear 7	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) 32.3 km/h (20.1 mph)
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Effective Gears Operating Speeds 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	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus ^m transmission reservoir with separate filtr 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 tandems on firm ground, and increases s	ation and cooling system with 117-L/min. (Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl or maneuverability and productivity; crab st	31 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) 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
Effective Gears Operating Speeds 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)	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus [™] transmission reservoir with separate filtr 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, clutco 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. (Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl or maneuverability and productivity; crab st	31 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) 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
Effective Gears Operating Speeds 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)	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus ^m transmission reservoir with separate filtr 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, clutco 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. (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
Effective Gears Operating Speeds 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) Final Drives	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus ^m 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) 77 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 s 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in coordination 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 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
Effective Gears Operating Speeds 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)	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus ^m 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 (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 coor Foot-controlled, hydraulically operated, m	ation and cooling system with 117-L/min. (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
Effective Gears Operating Speeds 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) Final Drives Brakes	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus ^m 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 tandems on firm ground, and increases s 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in coor Foot-controlled, hydraulically operated, m systems effective on all 4 tandem wheels	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 bled, filtered oil nultiple wet-disc brakes sealed in pressurized	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
Effective Gears Operating Speeds 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) Final Drives	0.4–8.0 km/h (0.25–5.0 mph) 53 cm ³ (3.2 cu. in.) 57 cm ³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus ^m 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, clutor 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 coor Foot-controlled, hydraulically operated, m systems effective on all 4 tandem wheels Hydraulically actuated, inboard of tandem	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	 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) 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 d, cooled, filtered oil; both independent filtered oil, multi-disc (ISO 3450)



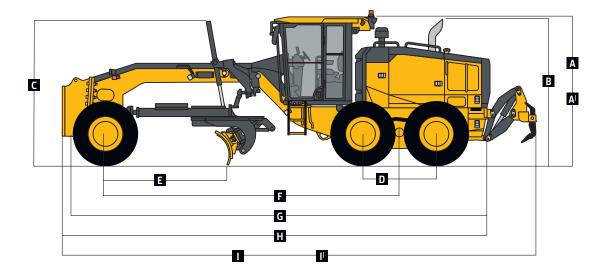


Hydraulics	622G/GP	
Type	Closed-center, pressure-compensated load-sensing (PCLS) variable-displacement niston nump
Maximum Pump Flow	212 L/min. (56 gpm)	,, variable displacement piston pump
Maximum System Pressure	18 961 kPa (2,750 psi)	
Pump Displacement	90 cm ³ (5.5 cu. in.)	
Blade Function	50 cm (5.5 cu. m.)	
	ment of blade-function controls; includes float position; 7 dis	screte 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	(2)	
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	Driving lights; 2 high- and 2 low-beam halogen headlights	; front and rear LED turn signals and marker lights; LED brake
-	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		
Minimum Vertical Section	1445 cm³ (88 cu. in.)	
Average Vertical Section at Saddle	2245 cm³ (137 cu. in.)	
Draft Frame (drawbar)		
	ness with double ball-and-socket pivot connection	
Circle		
Welded construction, heat-treated, machine	ed for flatness	
	Standard Circle	Premium Circle
Circle Diameter	1524 mm (60 in.)	1524 mm (60 in.)
Rotation	360 deg.	360 deg.
Surface	Quick-change bronze or nylon wear inserts	Sealed and lubricated roller element slewing bearing
Pinion/Ring-Gear Connection	Adjustable backlash and open for serviceability	No adjustment; fully sealed and lubricated
Drive	Hydraulic motor and worm gear with positive lock	Hydraulic motor and worm gear with positive lock
Slip Clutch	Option	Standard
	787 mm (31 in.)	
Circle Side Shift (right and left)		787 mm (31 in.)
Moldboard	athuman paintant high and so stud and sound (199	
	ngth; wear-resistant, high-carbon steel and reversible end bit	s; blade side-shift wear system includes quick-change
replaceable wear inserts and quick-adjust ja		
Base Length	3.66 m (144 in.) (12 ft. 0 in.)	
Height (measured along arc, including cutting edge)	610 mm (24 in.)	
5 5	22 mm (0.99 in)	
Thickness	22 mm (0.88 in.)	

Cutting Edge	622G/GP			
Dura-Max [™] through-hardened steel edge	0220/UF			
Thickness	16 mm (0.62 in.)			
Width	152 mm (6 in.)			
Scarifiers				
Starmers	Front		Mid-mount	
Туре	V-type toolbar with 2-pitch positions a	and hydraulic float		NeverGrease [™] pin joints; V-type manual
type	v type toolbar with 2 pitch positions t	ind nydradiie noac	3-pitch positions a	
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)		1.19 m (46.7 in.) (3 f	
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				
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	ı.)
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			
<u> </u>	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	
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 in	ı.)
Operator Station				
Low-profile cab with ROPS (ISO 3471-2008) a	nd EOPS (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
		14R24 on 254-mm 2.08 m (82.0 in.)	(10 in.) Rim	17.5R25 on 356-mm (14 in.) Rim 2.16 m (85.0 in.)
Tires/Wheels	13x24 on 254-mm (10 in.) Rim		(10 in.) Rim	
Tires/Wheels Wheel Tread on Ground	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.)	2.08 m (82.0 in.)	(10 in.) Rim	2.16 m (85.0 in.)
Tires/Wheels Wheel Tread on Ground Overall Width	<i>13x24 on 254-mm (10 in.) Rim</i> 2.08 m (82 in.) 2.49 m (98 in.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	(10 in.) Rim	2.16 m (85.0 in.) 2.64 m (104.0 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle)	<i>13x24 on 254-mm (10 in.) Rim</i> 2.08 m (82 in.) 2.49 m (98 in.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)		2.16 m (85.0 in.) 2.64 m (104.0 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank	<i>13x24 on 254-mm (10 in.) Rim</i> 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)		2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) —	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) — 44.0 L (11.6 gal.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) — 44.0 L (11.6 gal.) 26.0 L (6.9 gal.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 28.4 L (7.5 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) — 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each)	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) — 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) — 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights With Full Fuel Tank, 3.66-m x 610-mm x	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) — 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) — 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x % in.) Cutting	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) — 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.)
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x % in.) Cutting Edges, 14R24 L2 Tires, and 79-kg 175 lb.)	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 31.5 L (8.3 gal.) 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.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) — 44.0 L (11.6 gal.) 26.0 L (6.9 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.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x % in.) Cutting Edges, 14R24 L2 Tires, and 79-kg 175 lb.) Operator	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 31.5 L (8.3 gal.) 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	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) EPA Tier 3/EU Stag	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x 5% in.) Cutting Edges, 14R24 L2 Tires, and 79-kg 175 lb.) Operator Front	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 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 4795 kg (10,572 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) EPA Tier 3/EU Stag 4860 kg (10,713 lb.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II ge IIIA and EPA Tier 2/EU Stage II
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x % in.) Cutting Edges, 14R24 L2 Tires, and 79-kg 175 lb.) Operator Front Rear	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 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 4795 kg (10,572 lb.) 11 995 kg (26,443 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) <i>EPA Tier 3/EU Stag</i> 4860 kg (10,713 lb.) 11 178 kg (24,643 lb	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II ge IIIA and EPA Tier 2/EU Stage II *
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x % in.) Cutting Edges, 14R24 L2 Tires, and 79-kg 175 lb.) Operator Front Rear Total	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 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 4795 kg (10,572 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	EPA Tier 3/EU Stag 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) EPA Tier 3/EU Stag 4860 kg (10,713 lb.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II ge IIIA and EPA Tier 2/EU Stage II *
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x 5% in.) Cutting Edges, 14R24 L2 Tires, and 79-kg 175 lb.) Operator Front Rear Total Typical Operating Weight With Front Push	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 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 4795 kg (10,572 lb.) 11 995 kg (26,443 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) <i>EPA Tier 3/EU Stag</i> 4860 kg (10,713 lb.) 11 178 kg (24,643 lb	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II ge IIIA and EPA Tier 2/EU Stage II *
Tires/WheelsWheel Tread on GroundOverall WidthGround Clearance (front axle)ServiceabilityRefill CapacitiesFuel TankDiesel Exhaust Fluid (DEF) TankCooling SystemEngine Oil With FilterTransmission FluidDifferential HousingTandem Housings (each)Circle GearboxHydraulic ReservoirOperating WeightsWith Full Fuel Tank, 3.66-m x 610-mm x22-mm (12 ft. x 24 in. x 0.88 in.) MoldboardWith 152-mm x 16-mm (6 in. x 5% in.) CuttingEdges, 14R24 L2 Tires, and 79-kg 175 lb.)OperatorFrontRearTotalTypical Operating Weight With Front PushBlock, Rear Ripper/Scarifier, and Other	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 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 4795 kg (10,572 lb.) 11 995 kg (26,443 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) <i>EPA Tier 3/EU Stag</i> 4860 kg (10,713 lb.) 11 178 kg (24,643 lb	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II ge IIIA and EPA Tier 2/EU Stage II *
Tires/WheelsWheel Tread on GroundOverall WidthGround Clearance (front axle)ServiceabilityRefill CapacitiesFuel TankDiesel Exhaust Fluid (DEF) TankCooling SystemEngine Oil With FilterTransmission FluidDifferential HousingTandem Housings (each)Circle GearboxHydraulic ReservoirOperating WeightsWith Full Fuel Tank, 3.66-m x 610-mm x22-mm (12 ft. x 24 in. x 0.88 in.) MoldboardWith 152-mm x 16-mm (6 in. x 5% in.) CuttingEdges, 14R24 L2 Tires, and 79-kg 175 lb.)OperatorFrontRearTotalTypical Operating Weight With Front PushBlock, Rear Ripper/Scarifier, and OtherEquipment	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 57 L (1.5 gal.) 60.5 L (16 gal.) FPA Final Tier 4/EU Stage V 4795 kg (10,572 lb.) 11 995 kg (26,443 lb.) 16 790 kg (37,015 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) – 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) <i>53.0</i> L (14 gal.) <i>EPA Tier 3/EU Stag</i> 4860 kg (10,713 lb.) 11 178 kg (24,643 lb 16 038 kg (35,357 lb	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II ge IIIA and EPA Tier 2/EU Stage II *
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x % 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	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 57.1 L (15 gal.) 60.5 L (16 gal.) FPA Final Tier 4/EU Stage V 4795 kg (10,572 lb.) 11 995 kg (26,443 lb.) 16 790 kg (37,015 lb.) 5438 kg (11,998 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) <i>EPA Tier 3/EU Stag</i> 4860 kg (10,713 lb.) 11 178 kg (24,643 lb 16 038 kg (35,357 lt 5591 kg (12,325 lb.)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II pe IIIA and EPA Tier 2/EU Stage II * .)*
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x 5% 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	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 60.5 L (16 gal.) EPA Final Tier 4/EU Stage V 4795 kg (10,572 lb.) 11 995 kg (26,443 lb.) 16 790 kg (37,015 lb.) 5438 kg (11,998 lb.) 13 662 kg (30,120 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) <i>EPA Tier 3/EU Stag</i> 4860 kg (10,713 lb.) 11 178 kg (24,643 lb 16 038 kg (35,357 lt 5591 kg (12,325 lb.) 12 710 kg (28,020 lb	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II and EPA Tier 2/EU Stage II (* .)* .)*
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x 5% 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 Total	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 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 4795 kg (10,572 lb.) 11 995 kg (26,443 lb.) 16 790 kg (37,015 lb.) 5438 kg (11,998 lb.) 13 662 kg (30,120 lb.) 19 100 kg (42,108 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) — 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.7 L (1.5 gal.) 5.0 L (14 gal.) <i>EPA Tier 3/EU Stag</i> 4860 kg (10,713 lb.) 11 178 kg (24,643 lb 16 038 kg (35,357 lf 5591 kg (12,325 lb.) 12 710 kg (28,020 lb 18 300 kg (40,345 lb)	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II pe IIIA and EPA Tier 2/EU Stage II * .)* b.)*
Tires/Wheels Wheel Tread on Ground Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter 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.) Moldboard With 152-mm x 16-mm (6 in. x 5% 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	13x24 on 254-mm (10 in.) Rim 2.08 m (82 in.) 2.49 m (98 in.) 557 mm (21.9 in.) EPA Final Tier 4/EU Stage V 416.5 L (110 gal.) 22.5 L (6 gal.) 51.0 L (13.5 gal.) 31.5 L (8.3 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 60.5 L (16 gal.) EPA Final Tier 4/EU Stage V 4795 kg (10,572 lb.) 11 995 kg (26,443 lb.) 16 790 kg (37,015 lb.) 5438 kg (11,998 lb.) 13 662 kg (30,120 lb.)	2.08 m (82.0 in.) 2.49 m (98.0 in.)	<i>EPA Tier 3/EU Stag</i> 303 L (80 gal.) 44.0 L (11.6 gal.) 26.0 L (6.9 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 5.3.0 L (14 gal.) <i>EPA Tier 3/EU Stag</i> 4860 kg (10,713 lb.) 11 178 kg (24,643 lb 16 038 kg (35,357 lt 5591 kg (12,325 lb.) 12 710 kg (28,020 lb	2.16 m (85.0 in.) 2.64 m (104.0 in.) 587 mm (23.1 in.) The IIIA and EPA Tier 2/EU Stage II pe IIIA and EPA Tier 2/EU Stage II * .)* b.)*

Option Weights	622G/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.)	0 kg (0 lb.)
with 152-mm x 16-mm (6 in. x 5⁄8 in.) cutting edge	
and 16-mm (¾ in.) hardware	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ⁷ / ₈ in.)	45 kg (99 lb.)
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	
and 16-mm (% in.) hardware	1051 (22111)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ½ in.)	105 kg (231 lb.)
with 152-mm x 16-mm (6 in. x ½ in.) cutting edge and 16-mm (% in.) hardware	
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ½ in.)	157.4 kg (347 lb.)
4.27 m x 610 mm x 22 mm (14 rt. x 24 m. x 78 m.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	157.4 kg (547 lb.)
and 16-mm (% in.) hardware	
Extensions, 610 mm (2 ft.) (right or left)	
For Use With 610-mm (24 in.) Moldboards	116 kg (255 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.)
Circle-Drive Slip Clutch	9 kg (20 lb.)
Circle	
Standard	0 kg (0 lb.)
Premium	289 kg (638 lb.)
Moldboard Impact-Absorption System	43 kg (95 lb.)
Ripper, 3 Shank, No Scarifier	1052 kg (2,319 lb.)
Ripper/Scarifier, Rear Mounted With Hitch and Ripper	1139 kg (2,510 lb.)
Shanks (3)	
Scarifier Shanks With Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
Rear Counterweight With Integral Rear Hitch	727 kg (1,603 lb.)
Rear Hitch	54.4 kg (120 lb.)
Push Block, Front	907 kg (2,000 lb.)
Scarifier	
Front Mount With Teeth (5)	831 kg (1,833 lb.)
Mid-Mount With Teeth (11)	1481 kg (3,265 lb.)
Machine Dimensions	
A Height to Top of Cab	3.18 m (10 ft. 5 in.)
A ^I 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.) 3.05 m (10 ft. 0 in.)
C Height to Top of Blade-Lift Cylinders	1.54 m (5 ft. 1 in.)
D Tandem Axle Spacing E Blade Base	
E blade base	2.57 m (8 ft. 5 in.)

Ontion Weights (and in all	6226/60
Option Weights (continued)	622G/GP
Front Lift Group (Balderson-style)	763 kg (1,682 lb.)
13.00-24, 12 PR G2	-306 kg (-675 lb.)
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.)
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.)
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	13 kg (28 lb.)
Arm- and Headrests	
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)	
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 ^I Overall Length With Scarifier and Ripper	10.59 m (34 ft. 9 in.)
For Overall Width see Tires/Wheels on page 16.	
i or overall what i see thes wheels on page to.	





STEC / CP SPECIFICATIONS

Engine	672G/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	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.)
Net Torque Rise	50%	51%	51%
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 cooler
Air Cleaner With Restriction Indicator	Dual element, dry	Dual element, dry	Dual element, dry
*6WD not available.	Duar element, dry	Dual element, dry	Duar element, dry
Cooling			
Engine Coolant, Extended Life, Rating	37 dag C (34 dag E)		
Powertrain	-57 deg. c (-54 deg. 17		
6-Wheel Drive	Automatic dual path hydrostatic drive: ir	ncreases tractive effort and front-end cont	rol: includes constate left and right
0-Wheel Drive		ps, axial-piston wheel motors, and freewhee	
		and inching capability down to 0 mph; preci	sion mode (propelled by front wheels only
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 ³ (3.2 cu. in.)		
Wheel Motors	57 cm ³ (3.5 cu. in.)		
Final Reduction	38.7:1		
Transmission		, modulated shift-on-the-go, Event-Based	
Gears	transmission reservoir with separate filtr	ration and cooling system with 117-L/min. (3	ligpm) gear pump
Gears			
F 1	0		
Forward	8		
Reverse	8		
Reverse Maximum Travel Speeds	8 No tire slip at 2,180 rpm, 14.0-R24 tires		No tire slip at 2,180 rpm, 14.0-R24 tires
Reverse Maximum Travel Speeds Gear 1	8 No tire slip at 2,180 rpm, 14.0-R24 tires 4.0 km/h (2.5 mph)	Gear 5	16.4 km/h (10.2 mph)
Reverse Maximum Travel Speeds Gear 1 Gear 2	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)	Gear 6	16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)
Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3	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)	Gear 6 Gear 7	16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)
Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4	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)	Gear 6	16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)
Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3	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)	Gear 6 Gear 7	16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)
Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4	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)	Gear 6 Gear 7	16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)
Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle	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	Gear 6 Gear 7	16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)
Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total)	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.	Gear 6 Gear 7	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)
Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction)	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, clutco	Gear 6 Gear 7 Gear 8	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
Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials	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, clutc All-hydraulic power-frame articulation for	Gear 6 Gear 7 Gear 8 :h type can be applied on-the-go; selectabl	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 eering reduces side drift, positions
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	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, clutc All-hydraulic power-frame articulation for	Gear 6 Gear 7 Gear 8 th type can be applied on-the-go; selectabl or maneuverability and productivity; crab st	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 eering reduces side drift, positions
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)	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, clutc All-hydraulic power-frame articulation for tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.)	Gear 6 Gear 7 Gear 8 th type can be applied on-the-go; selectabl or maneuverability and productivity; crab st	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 eering reduces side drift, positions
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)	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, clutc All-hydraulic power-frame articulation for tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.)	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	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 eering reduces side drift, positions
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) Final Drives	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, clutc All-hydraulic power-frame articulation for tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in coordination	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	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
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)	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, clutc All-hydraulic power-frame articulation for tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in coor Foot-controlled, hydraulically operated, r	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 pressuriz	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
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) Final Drives Brakes	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, clutc All-hydraulic power-frame articulation for tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in coor Foot-controlled, hydraulically operated, r systems effective on all 4 tandem wheels	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 pressuriz	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 ed, cooled, filtered oil; both independent
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) Final Drives	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, clutc All-hydraulic power-frame articulation for tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in coor Foot-controlled, hydraulically operated, r systems effective on all 4 tandem wheels Hydraulically actuated, inboard of tandem	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 pressuriz	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 ed, cooled, filtered oil; both independent d filtered oil, multi-disc (ISO 3450)



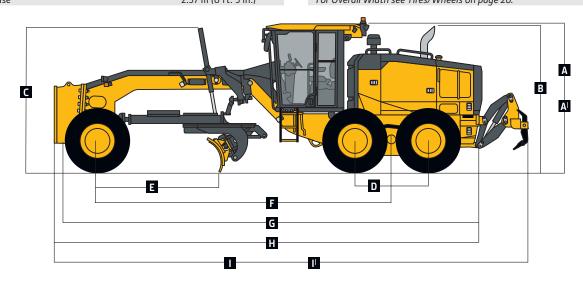


Hydraulics	672G/GP		
Туре	Closed-center, pressure-compensated load-sensing	(PCLS), variable-displacement piston pump	
Maximum Pump Flow	212 L/min. (56 gpm)		
Maximum System Pressure	18 961 kPa (2,750 psi)		
Pump Displacement	90 cm³ (5.5 cu. in.)		
Blade Function			
All-hydraulic, industry-standard lever placer	nent of blade-function controls; includes float positio	n; 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)	2005 mm (02.0 m.) (0 ft. 10 m.)		
Bank Cut Angle (right or left)	90 deg.		
Blade Pull	bo deg.		
At Maximum Operating Weight	22 453 kg (49,500 lb.)		
	22 455 kg (45,500 lb.)		
Electrical			
Solid-state load center and sealed-switch	EDA Final Tion (/ELL Stars)/	EDA Tion 2/ELI Stopp IIIA J EDA Tion 2/ELI CARA	
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 head and hazard warning lights	llights; front and rear LED turn signals and marker lights; LED bra	
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	25 mm (0.05 m.)		
Minimum Vertical Section	1445 cm³ (88 cu. in.)		
Average Vertical Section at Saddle	2245 cm ³ (137 cu. in.)		
Draft Frame (drawbar)	2243 CIII (137 Cu. 111.)		
	ess with double ball-and-socket pivot connection		
Circle			
Welded construction, heat-treated, machine			
	Standard Circle	Premium Circle	
Circle Diameter	1524 mm (60 in.)	1524 mm (60 in.)	
Rotation	360 deg.	360 deg.	
Surface	Quick-change bronze or nylon wear inserts	Sealed and lubricated roller element slewing bearing	
Pinion/Ring-Gear Connection	Adjustable backlash and open for serviceability	No adjustment; fully sealed and lubricated	
Drive	Hydraulic motor and worm gear with positive lock	Hydraulic motor and worm gear with positive lock	
Slip Clutch	Option	Standard	
Circle Side Shift (right and left)	787 mm (31 in.)	787 mm (31 in.)	
Moldboard			
		end bits; blade side-shift wear system includes quick-change	
replaceable wear inserts and quick-adjust ja			
Base Length	3.66 m (144 in.) (12 ft. 0 in.)		
Height (measured along arc, including	610 mm (24 in.)		
cutting edge) Thickness	22 mm (0.88 in.)		

Cutting Edge	672G/GP	
Dura-Max [™] through-hardened steel edge	6/20/0P	
Thickness	16 mm (0.62 in.)	
Width	152 mm (6 in.)	
Scarifiers		A de la companya de l
-	Front	Mid-mount
Туре	V-type toolbar with 2-pitch positions and hydraulic float	Radial linkage, with NeverGrease [™] pin joints; V-type manual 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)	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		
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 Lift	ic float	
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 bitch	
aranei mikage, with never drease 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		
Lift Above Ground	3 (maximum capacity 5) 602 mm (23.7 in.)	None standard (maximum capacity 9) 810 mm (31.9 in.)
		323 mm (31.9 in.)
Maximum Depth	426 mm (16.8 in.)	323 mm (12.7 In.)
Force		
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		
Low-profile cab with ROPS (ISO 3471-2008) a	nd FUPS (ISU 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)	587 mm (23.1 in.)	587 mm (23.1 in.)
Serviceability		
Refill Capacities	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage 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	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 5/8 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 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.)
Maximum Operating Weight	24 948 kg (55,000 lb.)	24 948 kg (55,000 lb.)
maxinan operating weight	_ · · · · · · · · · · · · · · · · · · ·	2. 2. 3. 19 (33)000 (3.)

Option Weights	672G/GP
Moldboards With Through-Hardened Dura-Max Cutting Edge	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x $\%$ in.) with 152-mm x 16-mm (6 in. x $\%$ in.) cutting edge and 16-mm ($\%$ in.) hardware	0 kg (0 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x $\%$ in.) with 203-mm x 19-mm (8 in. x $\%$ in.) cutting edge and 16-mm ($\%$ in.) hardware	45 kg (99 lb.)
3.96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (র in.) hardware	180 kg (396 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ⅛ in.) with 152-mm x 16-mm (6 in. x ⅛ in.) cutting edge and 16-mm (র in.) hardware	105 kg (231 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ⅛ in.) with 203-mm x 19-mm (8 in. x ⅔ in.) cutting edge and 16-mm (র in.) hardware	157.4 kg (347 lb.)
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 $^3\!$	251 kg (554 lb.)
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 $^3\!\!\!/$ in.) cutting edge and 19-mm ($^3\!\!/$ in.) hardware	261 kg (575 lb.)
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)	
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	
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 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.)
Machine Dimensions	
A Height to Top of Cab	3.18 m (10 ft. 5 in.)
A ^I 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.)

	(77) ((77)
Option Weights (continued)	672G/GP
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.)
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.)
Multi-Piece Rims	141.5 Kg (512 lb.)
254 mm x 610 mm (10 in. x 24 in.)	$0 k_{\pi} (0 lb)$
356 mm x 635 mm (14 in. x 25 in.)	0 kg (0 lb.)
	85.3 kg (188 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	13 kg (28 lb.)
Arm- and Headrests	
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)	
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)	5 kg (15 15.)
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 Overall Length With Scarifier and Ripper	10.59 m (34 ft. 9 in.)
For Overall Width see Tires/Wheels on page 20.	





Engine	772G/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	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.)
Net Torque Rise	50%	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		creases tractive effort and front-end cont	
Effective Gears		os, axial-piston wheel motors, and freewhee and inching capability down to 0 mph; preci	
Precision Mode	i / forward and reverse		
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 ³ (3.7 cu. in.)		
Wheel Motors	60 cm ³ (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 117-L/min. (3	
Gears	dansmission reservoir with separate mat		i gpin, gear panp
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		Gear 5	
Gear 2	4.0 km/h (2.5 mph)	Gear 5 Gear 6	16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)
	5.6 km/h (3.5 mph)		•
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		h type can be applied on-the-go; selectabl	
Steering (all models include		r maneuverability and productivity; crab st	5
steering wheel)	tandems on firm ground, and increases si	de-slope stability; return-to-straight cont	rol included in Grade Pro (GP) option
Turning Radius (front steer and articulation)	7.21 m (284 in.) (23 ft. 8 in.)		
Articulation (both right and left)	22 deg.		
Final Drives	Inboard-mounted planetary sealed in coc	oled, filtered oil	
Brakes		nultiple wet-disc brakes sealed in pressuriz	ed, cooled, filtered oil; both independen
Primary and Secondary Brakes		n pivot, self-adjusting, sealed in cooled an	d filtered oil, multi-disc (ISO 3450)
Parking Brake		y released, oil cooled, self-adjusting (ISO 3	

ZZZG/GP SPECIFICATIONS

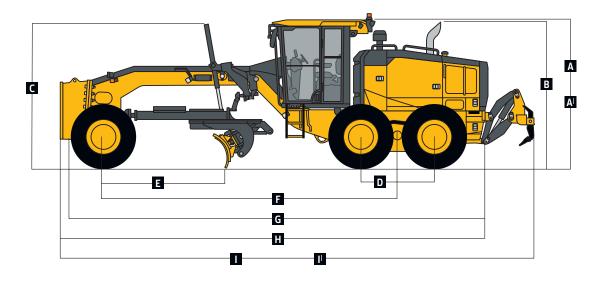


Hydraulics	772G/GP	
Туре	Closed-center, pressure-compensated load-sensing (PC	LS), variable-displacement piston pump
Maximum Pump Flow	212 L/min. (56 gpm)	
Maximum System Pressure	18 961 kPa (2,750 psi)	
Pump Displacement	90 cm³ (5.5 cu. in.)	
Blade Function		
All-hydraulic, industry-standard lever placer	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	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	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		its; front and rear LED turn signals and marker lights; LED brake
Mainframe		
Туре	Welded box construction	
Width (minimum)	307 mm (12.1 in.)	
Height (minimum)	307 mm (12.1 in.)	
Thickness	567 1111 (1211 111)	
Side	16 mm (0.63 in.)	
Top and Bottom Plate	23 mm (0.89 in.)	
Modulus	25 (0.05)	
Minimum Vertical Section	1770 cm ³ (108 cu. in.)	
Average Vertical Section at Saddle	2245 cm ³ (137 cu. in.)	
Draft Frame (drawbar)		
	ness with double ball-and-socket pivot connection	
Circle		
Welded construction, heat-treated, machine	ed for flatness	
Weidea construction, neat-treated, machini	Standard Circle	Premium Circle
Circle Diameter	1524 mm (60 in.)	1524 mm (60 in.)
Rotation	360 deg.	360 deg.
Surface	Quick-change bronze or nylon wear inserts	Sealed and lubricated roller element slewing bearing
Pinion/Ring-Gear Connection	Adjustable backlash and open for serviceability	No adjustment; fully sealed and lubricated
Drive	Hydraulic motor and worm gear with positive lock	Hydraulic motor and worm gear with positive lock
Slip Clutch	Option	Standard
Circle Side Shift (right and left)	787 mm (31 in.)	787 mm (31 in.)
Moldboard		ווויס ווווי סי.
	ngth, wear-resistant, high-carbon steel and reversible end l	hits: hlade side-shift wear system includes quick change
replaceable wear inserts and quick-adjust ja		ons, plade side-sinit wear system includes quick-change
Base Length	3.66 m (144 in.) (12 ft. 0 in.)	
Height (measured along arc, including	610 mm (24 in.)	
cutting edge)	010 mm (2 4 m.)	
Thickness	22 mm (0.88 in.)	
THICKI(C33	22 mm (0.00 m.)	

Cutting Edge	772G/GP			
Dura-Max [™] 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 a	nd hydraulic float	Radial linkage, with 3-pitch positions a	n NeverGrease™ pin joints; V-type manual and hydraulic float
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)		1.19 m (46.7 in.) (3 f	
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				
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	1.)
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	hudenulia flaat, and interpreted hitch			
Parallel linkage, with NeverGrease pin joints,			Scarifier	
Width of Cut	<i>Ripper</i> 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)			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			525 mm (12.5 mm)	
Penetration	9863 kg (21,745 lb.)		_	
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				
Low-profile cab with ROPS (ISO 3471-2008) a	nd FOPS (ISO 3449-2005)			
Tires/Wheels				
	14R24 on 254-mm (10 in.) Rim	17.5R25 on 356-mn	n (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 Fuel Tank	EPA Final Tier 4/EU Stage V		416.5 L (110 gal.)	ge IIIA and EPA Tier 2/EU Stage II
Diesel Exhaust Fluid (DEF) Tank	416.5 L (110 gal.) 22.5 L (6 gal.)		410.5 L (110 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	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 5⁄8 in.) Cutting				
Edges, 14R24 L2 Tires, and 79-kg (175 lb.)				
Operator	EPA Final Tier 4/EU Stage V			ge IIIA and EPA Tier 2/EU Stage II
Front	4939 kg (10,888 lb.)		4944 kg (10,900 lb	
Rear	12 592 kg (27,760 lb.)		11 948 kg (26,340 l	
Total	17 530 kg (38,648 lb.)		16 892 kg (37,240 ll	D.)
Typical Operating Weight With Front Push				
Block, Rear Ripper/Scarifier, and Other				
Equipment Front	6307 kg (13,905 lb.)		6343 kg (13,985 lb.	
Rear	14 193 kg (31,290 lb.)		13 547 kg (13,985 lb.	
Total	20 500 kg (45,195 lb.)		19 890 kg (43,850	
Maximum Operating Weight	24 948 kg (55,000 lb.)		24 948 kg (55,000	
				,

Ontion Maights	772G/GP
Option Weights Moldboards With Through-Hardened Dura-Max	//20/0P
Cutting Edge	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ⁷ / ₄ in.)	0 kg (0 lb.)
with 152-mm x 16-mm (6 in. x % in.) cutting edge	0 kg (0 lb.)
and 16-mm (% in.) hardware	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ½ in.)	45 kg (99 lb.)
with 203-mm x 19-mm (8 in. x ³ / ₄ in.) cutting edge	45 kg (55 lb.)
and 16-mm (% 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 edge	<u> </u>
and 16-mm (¾ in.) hardware	
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x 1/2 in.)	105 kg (231 lb.)
with 152-mm x 16-mm (6 in. x ¾ in.) cutting edge	
and 16-mm (½ in.) hardware	
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ¾ in.)	157.4 kg (347 lb.)
with 203-mm x 19-mm (8 in. x ³ / ₄ in.) cutting edge	
and 16-mm (% in.) hardware	
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 edge	251 kg (554 lb.)
and 16-mm (% in.) hardware	
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. $x \frac{3}{4}$ in.) cutting edge	2011/g (37318.)
and 19-mm (¾ in.) hardware	
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)	
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	
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 Ripper	1139 kg (2,510 lb.)
Shanks (3)	
Scarifier Shanks With Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
	63 kg (139 lb.)
Ripper Shanks and Teeth (2)	
Rear Counterweight With Integral Rear Hitch	727 kg (1,603 lb.)
Rear Counterweight With Integral Rear Hitch Machine Dimensions	
Rear Counterweight With Integral Rear Hitch Machine Dimensions A Height to Top of Cab	3.18 m (10 ft. 5 in.)
Rear Counterweight With Integral Rear Hitch Machine Dimensions A Height to Top of Cab A ^I Height to Top of Full-Height Cab	3.18 m (10 ft. 5 in.) 3.40 m (11 ft. 2 in.)
Rear Counterweight With Integral Rear Hitch Machine Dimensions A Height to Top of Cab A ^I Height to Top of Full-Height Cab B Height to Top of Exhaust	3.18 m (10 ft. 5 in.) 3.40 m (11 ft. 2 in.) 3.10 m (10 ft. 2 in.)
Rear Counterweight With Integral Rear Hitch Machine Dimensions A Height to Top of Cab A ^I Height to Top of Full-Height Cab B Height to Top of Exhaust C Height to Top of Blade-Lift Cylinders	3.18 m (10 ft. 5 in.) 3.40 m (11 ft. 2 in.) 3.10 m (10 ft. 2 in.) 3.05 m (10 ft. 0 in.)
Rear Counterweight With Integral Rear Hitch Machine Dimensions A Height to Top of Cab A ^I Height to Top of Full-Height Cab B Height to Top of Exhaust	3.18 m (10 ft. 5 in.) 3.40 m (11 ft. 2 in.) 3.10 m (10 ft. 2 in.)

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	151.0 Kg (250 lb.)
Front	00 kg (219 lb)
Rear	99 kg (218 lb.)
	141 kg (310 lb.)
Low Cab With Opening Front and Side Windows	14.5 kg (32 lb.)
Premium Air-Suspension, Heated Seat With Adjustable	13 kg (28 lb.)
Arm- and Headrests	() (0))
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)	5 kg (15 lb.)
F Wheelbase	6.16 m (20 ft. 3 in.)
G Overall Length	8.89 m (29 ft. 2 in.)
5	9.69 m (31 ft. 9 in.)
H Overall Length With Scarifier	
I Overall Length With Push Block and Ripper	9.99 m (32 ft. 9 in.)
I Overall Length With Scarifier and Ripper For Overall Width see Tires/Wheels on page 24.	10.59 m (34 ft. 9 in.)





SZZG/GP SPECIFICATIONS

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	5.0E (540 cu. III.)	5.0E (540 cu. m.)	5.0E (540 Cu. III.)
	$102 \ln (2/5 L_{-})$	170 1.14 (240)	170 + W + 240 + -)
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)	194 kW (260 hp)
Gear 4	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.	Each stement, ary	Sea. clement, ary	Sear clement, ary
Cooling			
2	$27 d_{\rm eff} = C \left(\frac{1}{2} \right) d_{\rm eff} = C \left(\frac{1}{2} \right)$		
Engine Coolant, Extended Life, Rating	–37 deg. C (–34 deg. F)		
Powertrain 6-Wheel Drive		creases tractive effort and front-end cont	
	systems with variable-displacement pump 15-position rotary aggressiveness control	os, 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			
Precision Mode Effective Gears	1–3 forward only		
	0.4–8.0 km/h (0.25–5.0 mph)		
Effective Gears			
Effective Gears Operating Speeds	0.4–8.0 km/h (0.25–5.0 mph)		
Effective Gears Operating Speeds Hydrostatic Pumps (2 each)	0.4–8.0 km/h (0.25–5.0 mph) 60 cm³ (3.7 cu. in.)		
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus™	, modulated shift-on-the-go, Event-Based 1 ation and cooling system with 121-L/min. (3	
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus™	, modulated shift-on-the-go, Event-Based 1 ation and cooling system with 121-L/min. (3	
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus [™] transmission reservoir with separate filtr		
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus [™] transmission reservoir with separate filtr		
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus [™] transmission reservoir with separate filtr 8 8		2 gpm) gear pump
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires	ation and cooling system with 121-L/min. (3	2 gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph)	ation and cooling system with 121-L/min. (3	²² gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph)
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph)	ation and cooling system with 121-L/min. (3 Gear 5 Gear 6	⁸² gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph)
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph)	ation and cooling system with 121-L/min. (3 Gear 5 Gear 6 Gear 7	⁸² gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph)
Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph)	ation and cooling system with 121-L/min. (3 Gear 5 Gear 6	⁸² gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph)
Effective Gears Operating Speeds 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	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication	ation and cooling system with 121-L/min. (3 Gear 5 Gear 6 Gear 7	⁸² gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph)
Effective Gears Operating Speeds 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)	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg.	ation and cooling system with 121-L/min. (3 Gear 5 Gear 6 Gear 7	⁸² gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph)
Effective Gears Operating Speeds 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)	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus [™] transmission reservoir with separate filtra 8 8 No tire slip at 2,180 rpm, 17.5-R25 tires 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg.	ation and cooling system with 121-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8	⁸² gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph) 45.0 km/h (28.0 mph)
Effective Gears Operating Speeds 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)	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutc	ation and cooling system with 121-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl	2 gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph) 45.0 km/h (28.0 mph)
Effective Gears Operating Speeds 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	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutc	ation and cooling system with 121-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8	2 gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph) 45.0 km/h (28.0 mph) e manual or automatic differential lock
Effective Gears Operating Speeds 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	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 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 121-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, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph) 45.0 km/h (28.0 mph) e manual or automatic differential lock teering reduces side drift, positions
Effective Gears Operating Speeds 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	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (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, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 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 121-L/min. (3 Gear 5 Gear 6 Gear 7 Gear 8 h type can be applied on-the-go; selectabl ir maneuverability and productivity; crab st	No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph) 45.0 km/h (28.0 mph) e manual or automatic differential lock teering reduces side drift, positions
Effective Gears Operating Speeds 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	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus [™] transmission reservoir with separate filtra 8 8 8 <i>No tire slip at 2,180 rpm, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. 5piral bevel; hydraulically actuated, clutcc 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 121-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, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph) 45.0 km/h (28.0 mph) e manual or automatic differential lock teering reduces side drift, positions
Effective Gears Operating Speeds 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)	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus [™] transmission reservoir with separate filtra 8 8 8 <i>No tire slip at 2,180 rpm, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. 5piral bevel; hydraulically actuated, clutcc 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 121-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	2 gpm) gear pump No tire slip at 2,180 rpm, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph) 45.0 km/h (28.0 mph) e manual or automatic differential lock teering reduces side drift, positions
Effective Gears Operating Speeds 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) Final Drives	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus [™] transmission reservoir with separate filtra 8 8 8 <i>No tire slip at 2,180 rpm, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. 5piral bevel; hydraulically actuated, clutcc All-hydraulic power-frame articulation for tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in coor Foot-controlled, hydraulically operated, r	ation and cooling system with 121-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, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph) 45.0 km/h (28.0 mph) e manual or automatic differential lock teering reduces side drift, positions rol included in Grade Pro (GP) option
Effective Gears Operating Speeds 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)	0.4–8.0 km/h (0.25–5.0 mph) 60 cm ³ (3.7 cu. in.) 60 cm ³ (3.7 cu. in.) 38.7:1 Direct-drive John Deere PowerShift Plus [™] transmission reservoir with separate filtra 8 8 8 <i>No tire slip at 2,180 rpm, 17.5-R25 tires</i> 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutcc All-hydraulic power-frame articulation for tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in coor Foot-controlled, hydraulically operated, r systems effective on all 4 tandem wheels	ation and cooling system with 121-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, 17.5-R25 tires 16.7 km/h (10.4 mph) 23.2 km/h (14.5 mph) 32.1 km/h (20.0 mph) 45.0 km/h (28.0 mph) e manual or automatic differential lock teering reduces side drift, positions rol included in Grade Pro (GP) option ed, cooled, filtered oil; both independen



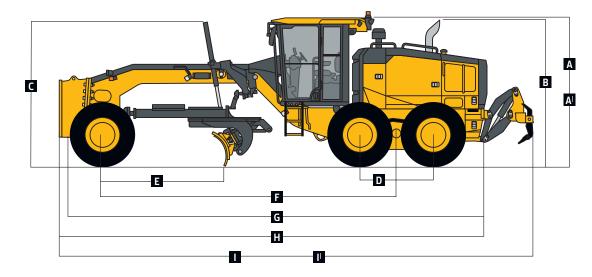


Harden Bar	073C/CD	
Hydraulics	872G/GP	
Туре	Closed-center, pressure-compensated load-sensing (PCLS), variable-displacement piston pump
Maximum Pump Flow	218 L/min. (57.5 gpm)	
Maximum System Pressure	18 961 kPa (2,750 psi)	
Pump Displacement	90 cm³ (5.5 cu. in.)	
Blade Function		
All-hydraulic, industry-standard lever placer	nent of blade-function controls; includes float position; 7 dis	crete 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	005 mm (20.5 m.)	
	()	
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	24 001
Battery Capacity	1.400 CCA	1,400 CCA
, , ,	440 min.	440 min.
Reserve Capacity		
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 headlights; and hazard warning lights	front and rear LED turn signals and marker lights; LED brake
Mainframe		
	Welded box construction	
Type		
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 cm³ (108 cu. in.)	
Average Vertical Section at Saddle	2635 cm ³ (161 cu. in.)	
Draft Frame (drawbar)		
	ess with double ball-and-socket pivot connection	
Circle		
Welded construction, heat-treated, machine	ad for flatness	
		Promium Circlo
	Standard Circle	Premium Circle
Circle Diameter	1524 mm (60 in.)	1524 mm (60 in.)
Rotation	360 deg.	360 deg.
Surface	Quick-change bronze or nylon wear inserts	Sealed and lubricated roller element slewing bearing
Pinion/Ring-Gear Connection	Adjustable backlash and open for serviceability	No adjustment; fully sealed and lubricated
Drive	Hydraulic motor and worm gear with positive lock	Hydraulic motor and worm gear with positive lock
Slip Clutch	Option	Standard
Circle Side Shift (right and left)	787 mm (31 in.)	787 mm (31 in.)
Moldboard		
	ngth, wear-resistant, high-carbon steel and reversible end bits	s: blade side-shift wear system includes quick-change
replaceable wear inserts and quick-adjust ja		,
Base Length	4.27 m (168 in.) (14 ft. 0 in.)	
Height (measured along arc, including	686 mm (27 in.)	
cutting edge)	000 mm (27 m.)	
	$\sum m(1)$	
Thickness	25 mm (1 in.)	

Contract of the second s				
Cutting Edge	872G/GP			
Dura-Max [™] through-hardened steel edge				
Thickness	19 mm (0.75 in.)			
Width	203 mm (8 in.)			
Scarifiers				
	Front		Mid-mount	
Туре	V-type toolbar with 2-pitch positions a	nd hydraulic float	Radial linkage, witl	n NeverGrease™ pin joints
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				
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 x 70 mm (1 x 5 m	••)
Parallel linkage, mechanical pins, and hydrauli	ic float			
Lift	Choat			
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,			C	
	Ripper		Scarifier	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)		2.18 m (86 in.) (7 ft	
Number of Shanks/Teeth	3 (maximum capacity 5)		None standard (ma	iximum 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.)		_	
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	550/65R25 on 432	-mm (17 in) Rim	20.5R25 on 432-mm (17 in.) Rim
Wheel Tread on Ground	2.16 m (85.0 in.)	2.21 m (87.0 in.)		2.32 m (92 in.)
Overall Width	2.64 m (104.0 in.)	2.82 m (111.0 in.)		2.80 m (110 in.)
Ground Clearance (front axle)	587 mm (23.1 in.)	612 mm (24.1 in.)		640 mm (25.2 in.)
Serviceability	507 mm (25.1 m.)	012 11111 (24.1 111.)		040 mm (23.2 m.)
Refill Capacities	EPA Final Tier 4/EU Stage V		EDA Tior 2/ELLStar	e IIIA and EPA Tier 2/EU Stage II
Fuel Tank				e lila dild EFA Hel 27E0 Stuge li
	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				
With Full Fuel Tank, 4.27-m x 686-mm x				
With Full Fuel Tank, 4.27-m x 686-mm x 25-mm (14 ft. x 27 in. x 1.0 in.) Moldboard				
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	EPA Final Tier 4/EU Stage V		EPA Tier 3/EU Stag	e IIIA and EPA Tier 2/EU Stage II
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.)	EPA Final Tier 4/EU Stage V 5110 kg (11,266 lb.)		EPA Tier 3/EU Stag 5119 kg (11,285 lb.)	e IIIA and EPA Tier 2/EU Stage II
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 $\frac{3}{4}$ in.) Cutting Edges, 17.5R25 L2 Tires, and 79-kg (175 lb.) Operator	5110 kg (11,266 lb.)			
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 Front			5119 kg (11,285 lb.)	.)
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 Front Rear Total	5110 kg (11,266 lb.) 12 902 kg (28,444 lb.)		5119 kg (11,285 lb.) 12 254 kg (27,015 lb	.)
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 Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other	5110 kg (11,266 lb.) 12 902 kg (28,444 lb.)		5119 kg (11,285 lb.) 12 254 kg (27,015 lb	.)
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 Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment	5110 kg (11,266 lb.) 12 902 kg (28,444 lb.) 18 012 kg (39,710 lb.)		5119 kg (11,285 lb.) 12 254 kg (27,015 lb 17 372 kg (38,300 lb	.) 5.)
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 Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front	5110 kg (11,266 lb.) 12 902 kg (28,444 lb.) 18 012 kg (39,710 lb.) 6516 kg (14,365 lb.)		5119 kg (11,285 lb.) 12 254 kg (27,015 lb 17 372 kg (38,300 lb 6573 kg (14,490 lb.	.) 5.)
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 Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front Rear	5110 kg (11,266 lb.) 12 902 kg (28,444 lb.) 18 012 kg (39,710 lb.) 6516 kg (14,365 lb.) 15 084 kg (33,255 lb.)		5119 kg (11,285 lb.) 12 254 kg (27,015 lb 17 372 kg (38,300 lb 6573 kg (14,490 lb. 14 152 kg (31,200 lb	.) 5.))
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 Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front Rear Total	5110 kg (11,266 lb.) 12 902 kg (28,444 lb.) 18 012 kg (39,710 lb.) 6516 kg (14,365 lb.) 15 084 kg (33,255 lb.) 21 600 kg (47,620 lb.)		5119 kg (11,285 lb.) 12 254 kg (27,015 lb 17 372 kg (38,300 lb 6573 kg (14,490 lb. 14 152 kg (31,200 lb 20 725 kg (45,690 l)).) b.)
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 Front Rear Total Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front Rear	5110 kg (11,266 lb.) 12 902 kg (28,444 lb.) 18 012 kg (39,710 lb.) 6516 kg (14,365 lb.) 15 084 kg (33,255 lb.)		5119 kg (11,285 lb.) 12 254 kg (27,015 lb 17 372 kg (38,300 lb 6573 kg (14,490 lb. 14 152 kg (31,200 lb)).) b.)

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	2						
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							
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	1139 kg (2,510 lb.)						
Shanks (3)							
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.)						
Machine Dimensions							
A Height to Top of Cab	3.18 m (10 ft. 5 in.)						
A ¹ 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	<u> </u>
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	J ., ,
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	J., ,
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	13 kg (28 lb.)
Arm- and Headrests	<u> </u>
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	J
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	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 ^I Overall Length With Scarifier and Ripper	10.59 m (34 ft. 9 in.)
For Overall Width see Tires/Wheels on page 28.	
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Additional equipment

677 677 777 877 Operator's Stati

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

62	22	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
					Opening front and side windows (standard with Grade Pro)
					Keyless start with multiple security modes
					Fabric air-suspension seat with armrests and headrest
4					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
		•	•	•	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 [®] , auxiliary, and WB ready
					Push-button-activated cruise control

622 672 772 872 Electrical

022	6/2	112	0/2	Electrical
٠	٠		٠	100-amp alternator
				130-amp alternator
				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)
٠	٠	٠	٠	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 1/8 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 1/8 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
				610-mm (24 in.) left- or right-hand extensions for 686-mm (27 in.) moldboard
				Reversible overlay endbits
				Overall Vehicle
٠	٠	٠	٠	JDLink [™] 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,
				budraulic ail and aula and transmission fluids

hydraulic oil, and axle and transmission fluids

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-m (10,000 ft.) 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; 14.0 x 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 through-hardened-steel cutting edges for the 6226, 6726, and 1726, and 17.5 R 635-mm (25 in.) L2, 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.) Dura-Max through-hardened-steel cutting edges for the 872G. Weights include lubricants, coolants, full fuel tanks, and 79-kg (175 lb.) operators.

Additional equipment (continued)

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
				Engine rotary ejector precleaner
				Automatic differential lock
				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
				AutoShift 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
				Automation Suite including Auto-Articulation, Blade Flip, and Machine Presets (standard on SmartGrade [™] models, optional on GP models)
				Auto-Articulation
				Blade Flip
				Machine Presets

677	672	772	872	Front Attachments
				Front push block
				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
•	٠	٠	٠	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
				Cross-slope
				Return to straight
				Grade Control
				SmartGrade
				Mast mounts
				Topcon ready available on G and GP models
				Trimble ready available on G and GP models

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-m (10,000 ft.) 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; 14.0 x 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-Max⁸ through-hardened-steel cutting edges for the 6226, 6726, and 1726, and 1726, G3 in. x 6 in.) Dura-Max through-hardened-steel cutting edges for the 8726. Weights include lubricants, coolants, full fuel tanks, and 79-kg (175 lb.) operators.



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