G-SERIES 6WD

MOTOR GRADERS

JOHN DEERE

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

DECIDE HOW WORK GETS DONE


MORE CONTROL OPTIONS
+
MORE GRADE-CONTROL PROVIDERS
ONE

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. 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.

More horsepower and torque

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

Power for the job

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

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.

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 jobsite attachments.

Grade-control system ready

Adding a favorite grade-control system is quick and noninvasive. Grade Pro (GP) models are factory equipped with bulkhead connectors, sensor mounts, electrical wiring harnesses, integrated controls, and universal moldboard-mast mounts. GP models now also include Leica as well as Topcon and Trimble options installed at the factory.

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.

GRADE-CONTOL SYSTEM READY

OPTIONAL FROM THE FACTORY

TAKE CONTROL

WITHOUT LIFTING A FINGER

SIZABLE SHIFT

Included on all G and Grade Pro (GP) models with fingertip controls, the 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, fingertip-actuated 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, knobs integrated into the 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

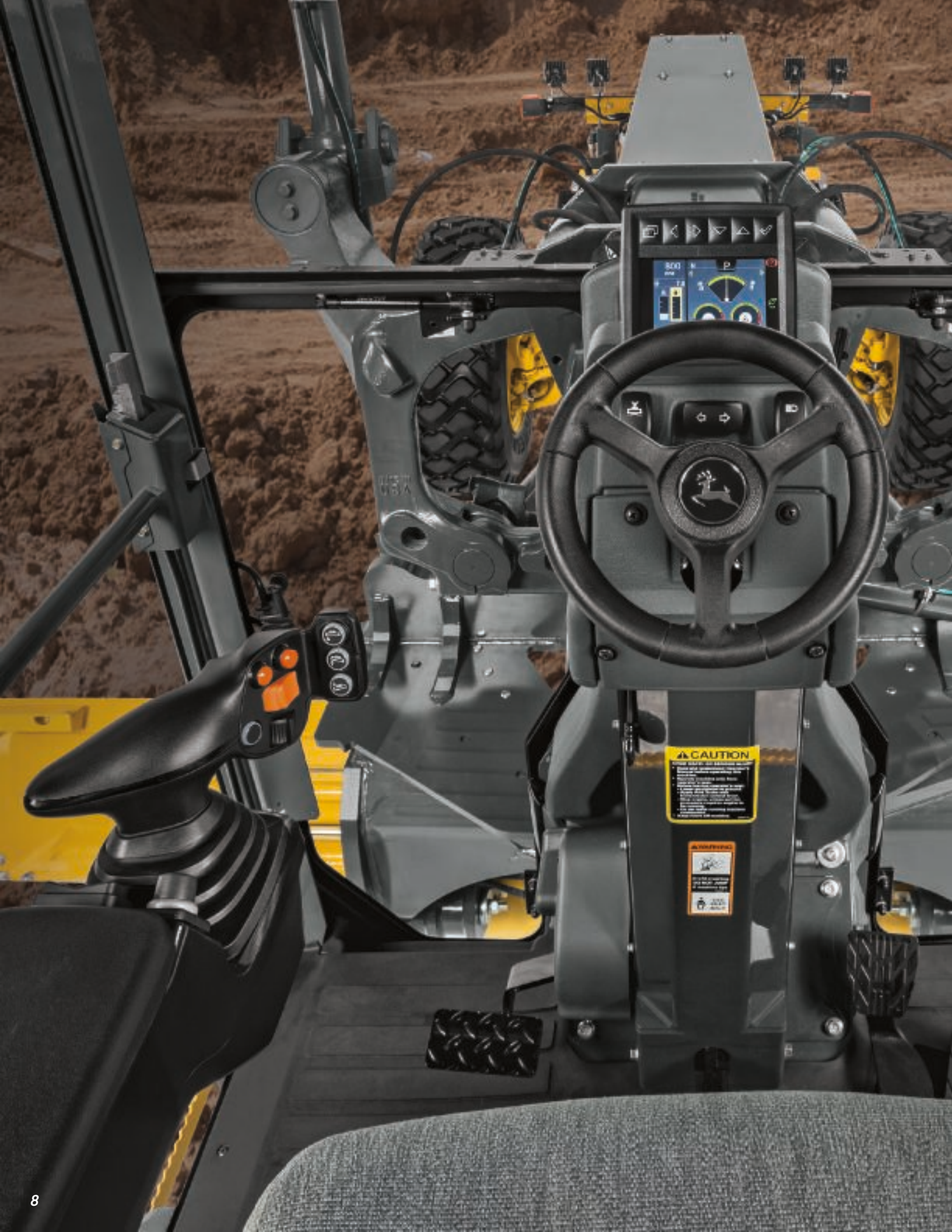
Instead of twisting the controller, actuate both the articulation and circle-rotate functions using proportional roller switches.

Return-to-straight

Return-to-straight automatically straightens an articulated frame at the touch of a button, 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.


CAUTION

EXPANSIVE VISIBILITY

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, now also including the parking brake, for more convenient access and easier operation.

Streamlined access to vital info

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

NO TIME TO LO

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. When you know how they're built, you'll run these Deere.

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. Optional reversible fan makes for quick core cleanout in high-debris applications.

Auto shutdown reduces fuel use and wear

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

Keep downtime down with

JOHN DEERE ULTIMATE UPTIME

John Deere Ultimate Uptime, featuring John Deere WorkSight™, is a customizable support solution available exclusively from your Deere dealer. This flexible offering maximizes equipment availability with standard John Deere WorkSight capabilities that can help prevent future downtime and speed repairs when needed. In addition to the base John Deere WorkSight features, our dealers work with you to build an uptime package that meets the specific needs of your machine, fleet, project, and business, including customized maintenance and repair agreements, onsite parts availability, extended warranties, fluid sampling, response-time guarantees, and more.

Get valuable insight with

JOHN DEERE WORKSIGHT

John Deere WorkSight is an exclusive suite of telematics solutions that increases uptime while lowering operating costs. At its heart, JDLink™ machine monitoring provides real-time utilization data and alerts to help you maximize productivity and efficiency while minimizing downtime. Remote diagnostics enable your dealer to read codes and record performance data without a trip to the jobsite.

TIME TO TAKE SIDES.

Fast, simple ground-level access

All daily service points, including fuel, are grouped on the left side for quick and convenient ground-level access. On the right side, maintenance personnel will appreciate the easy-access hydraulic, transmission, and differential filter bank.

622G / GP SPECIFICATIONS

Engine	622G/GP	
Manufacturer and Model	John Deere PowerTech™ Plus 6.8L	John Deere PowerTech™ 6.8L
Non-Road Emission Standard	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Cylinders	6	6
Displacement	6.8L (414 cu. in.)	6.8L (414 cu. in.)
Net Engine Power		
Gear 1	123 kW (165 hp)	123 kW (165 hp)
Gear 2	131 kW (175 hp)	134 kW (180 hp)
Gear 3	142 kW (190 hp)	138 kW (185 hp)
Gear 4	149 kW (200 hp)	138 kW (185 hp)
Gear 5	149 kW (200 hp)*	138 kW (185 hp)*
Gear 6	153 kW (205 hp)*	138 kW (185 hp)*
Gear 7	157 kW (210 hp)*	138 kW (185 hp)*
Gear 8	157 kW (210 hp)*	138 kW (185 hp)*
Net Peak Torque	915 Nm (675 lb.-ft.)	831 Nm (613 lb.-ft.)
Net Torque Rise	36%	44%
Aspiration	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled
Lubrication	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler
Air Cleaner with Restriction Indicator	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	Automatic dual-path hydrostatic drive; increases tractive effort and front-end control; includes separate left and right systems with variable-displacement pumps, axial-piston wheel motors, and freewheel at transport speeds; operator-selectable 15-position rotary aggressiveness control and inching capability down to 0 mph; precision mode (propelled by front wheels only)	
Effective Gears	1–4 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	Direct-drive John Deere PowerShift Plus™, modulated shift-on-the-go, Event-Based Shifting (EBS), inching pedal; independent transmission reservoir with separate filtration and cooling system with 117-L/min. (31 gpm) gear pump	
Gears		
Forward	8	
Reverse	8	
Maximum Travel Speeds	*No tire slip at 2,180 rpm, 14.0-R24 tires*	
Gear 1	4.0 km/h (2.5 mph)	
Gear 2	5.6 km/h (3.5 mph)	
Gear 3	7.7 km/h (4.8 mph)	
Gear 4	10.9 km/h (6.8 mph)	
Gear 5	16.4 km/h (10.2 mph)	
Gear 6	23.2 km/h (14.4 mph)	
Gear 7	32.3 km/h (20.1 mph)	
Gear 8	45.5 km/h (28.3 mph)	
Front Axle	Heavy-duty welded fabrication	
Oscillation (total)	32 deg.	
Wheel Lean Angle (each direction)	20 deg.	
Differentials	Spiral bevel; hydraulically actuated, clutch type can be applied on-the-go; selectable manual or automatic differential lock	
Steering (all models include steering wheel)	All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side-slope stability; return-to-straight control 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 cooled, filtered oil	
Brakes	Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in pressurized, cooled, filtered oil; both independent systems effective on all 4 tandem wheels	
Primary and Secondary Brakes	Hydraulically actuated, inboard of tandem pivot, self-adjusting, sealed in cooled and filtered oil, multi-disc (ISO 3450)	
Parking Brake	Automatically spring applied, hydraulically released, oil cooled, self-adjusting (ISO 3450)	

622G / GP *SPECIFICATIONS*

Hydraulics	**622G/GP**
Type	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 cm^3 (5.5 cu. in.)
Blade Function	
All-hydraulic, industry-standard lever placement of blade-function controls; includes float position; 7 discrete saddle positions	
Blade Range	
Lift Above Ground	490 mm (19.3 in.)
Blade Side Shift (right or left)	683 mm (26.9 in.)
Pitch at Ground Line	
Forward	42 deg.
Back	5 deg.
Shoulder Reach Outside Wheels (frame straight, right or left)	2083 mm (82.0 in.) (6 ft. 10 in.)
Bank Cut Angle (right or left)	90 deg.
Blade Pull	
At Maximum Operating Weight	20 412 kg (45,000 lb.)
Electrical	
Solid-state load center and sealed-switch module	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*
Voltage	24 volt
Number of Batteries	2
Battery Capacity	950 CCA
Reserve Capacity	190 min.
Amp-Hour Rating	110 amp-hour
Alternator Rating	
Base	100 amp
Optional	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	
Type	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 cm^3 (88 cu. in.)
Average Vertical Section at Saddle	2245 cm^3 (137 cu. in.)
Draft Frame (drawbar)	
Welded box construction machined for flatness with double ball-and-socket pivot connection equipped with quick-change replaceable wear inserts	
Circle	
Welded construction, heat-treated, machined for flatness, equipped with quick-change replaceable wear inserts	
Circle Diameter	1524 mm (60 in.)
Rotation	360 deg.
Drive	Hydraulic motor and worm gear with positive lock
Circle Side Shift (right and left)	787 mm (31 in.)
Moldboard	
High-strength, pre-stressed for higher strength; wear-resistant, high-carbon steel and reversible end bits; blade side-shift wear system includes quick-change replaceable wear inserts and quick-adjust jackscrew system	
Base Length	3.66 m (144 in.) (12 ft. 0 in.)
Height (measured along arc, including cutting edge)	610 mm (24 in.)
Thickness	22 mm (0.88 in.)
Cutting Edge	
Dura-Max™ through-hardened steel edge	
Thickness	16 mm (0.62 in.)
Width	152 mm (6 in.)

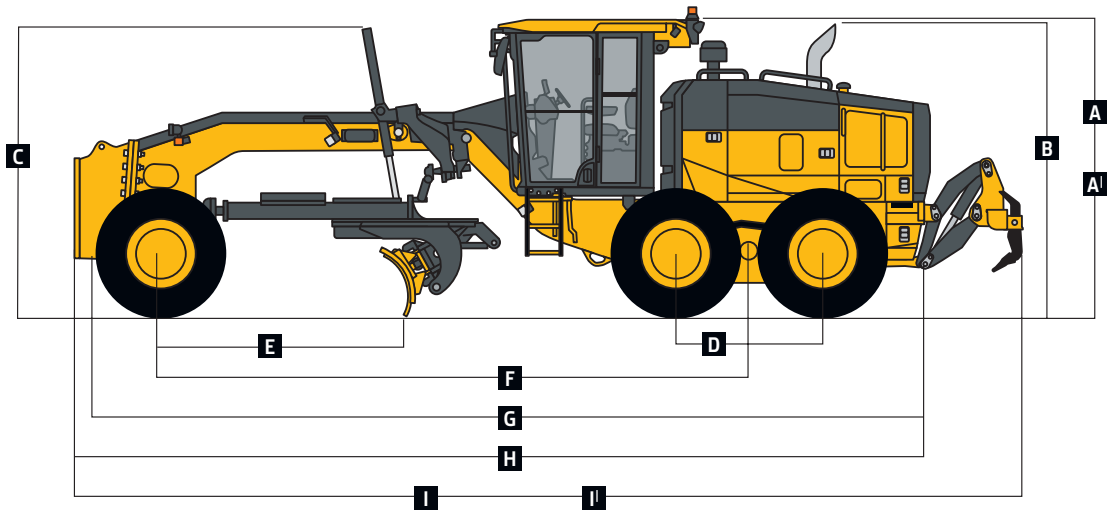
622G/GP

Scarifiers	622G/GP		
	Front	*Mid-mount*	
Type	V-type toolbar with manual 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 hydraulic float			
Lift			
Above Ground (top of tube)	1864 mm (73.4 in.)		
Range	988 mm (38.9 in.)		
Rear Ripper/Scarifier			
Parallel linkage, with NeverGrease pin joints, hydraulic float, and integrated hitch			
	Ripper	*Scarifier*	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)	2.18 m (86 in.) (7 ft. 2 in.)	
Number of Shanks/Teeth	3 (maximum capacity 5)	None standard (maximum capacity 9)	
Lift Above Ground	602 mm (23.7 in.)	810 mm (31.9 in.)	
Maximum Depth	426 mm (16.8 in.)	323 mm (12.7 in.)	
Force at Typical FT4 Weight			
Penetration	9488 kg (20,918 lb.)	—	
Pry-Out	12 358 kg (27,246 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) and FOPS (ISO 3449-2005)			
Tires/Wheels			
	13x24 on 254-mm (10 in.) Rim	*14R24 on 254-mm (10 in.) Rim*	*17.5R25 on 356-mm (14 in.) Rim*
Wheel Tread on Ground	2.08 m (82 in.)	2.08 m (82.0 in.)	2.16 m (85.0 in.)
Overall Width	2.49 m (98 in.)	2.49 m (98.0 in.)	2.64 m (104.0 in.)
Ground Clearance (front axle)	557 mm (21.9 in.)	587 mm (23.1 in.)	587 mm (23.1 in.)
Serviceability			
Refill Capacities	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*		
Fuel Tank	303 L (80 gal.)		
Cooling System	44.0 L (11.6 gal.)		
Engine Oil with Filter	26.0 L (6.9 gal.)		
Transmission Fluid	28.4 L (7.5 gal.)		
Differential Housing	38.0 L (10 gal.)		
Tandem Housings (each)	74.0 L (19.5 gal.)		
Circle Gearbox	5.7 L (1.5 gal.)		
Hydraulic Reservoir	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.) Moldboard with 152-mm x 16-mm (6 in. x ⅝ in.) Cutting Edges, 13-24 Bias L2 Tires, and 79-kg (175 lb.) Operator	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*		
Front	4844 kg (10,680 lb.)		
Rear	11 167 kg (24,620 lb.)		
Total	16 012 kg (35,300 lb.)		
Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment			
Front	5579 kg (12,300 lb.)		
Rear	12 701 kg (28,000 lb.)		
Total	18 280 kg (40,300 lb.)		
Maximum Operating Weight	22 680 kg (50,000 lb.)		

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 ⅞ in.) with 152-mm x 16-mm (6 in. x ⅝ in.) cutting edge and 16-mm (⅝ in.) hardware	0 kg (0 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ⅞ in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	45 kg (99 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ⅞ in.) with 152-mm x 16-mm (6 in. x ⅝ in.) cutting edge and 16-mm (⅝ in.) hardware	105 kg (231 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ⅞ in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	157.4 kg (347 lb.)
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.)
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 Shanks (3)	1139 kg (2,510 lb.)
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.)
Front Lift Group (Balderson-style)	763 kg (1,682 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 (9.0L engine)	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.)

Option Weights *(continued)*	622G/GP
Tires	
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	77 kg (169 lb.)
Rear	141 kg (310 lb.)
Low Cab with Opening Front and Side Windows	14.5 kg (32 lb.)
Premium Air-Suspension, Heated Seat with Adjustable Arm- and Headrests	13 kg (28 lb.)
Coolant Heater	4 kg (9 lb.)
Quick Service	11 kg (24 lb.)
Sound-Absorption Package (machines equipped with Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 kg (31 lb.)
Secondary Steering	26 kg (58 lb.)
Beacon Bracket	8 kg (18 lb.)
Fire Extinguisher	14.5 kg (32 lb.)
Lighting Packages	
10 Halogen Lights	4.5 kg (10 lb.)
16 Halogen Lights	7 kg (16 lb.)
18 Halogen Lights	8 kg (18 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.



672G / GP SPECIFICATIONS

Engine	672G/GP			
Manufacturer and Model	John Deere PowerTech™ Plus 9.0L	John Deere PowerTech™ 9.0L	John Deere PowerTech Plus 6.8L	John Deere PowerTech 6.8L
Non-Road Emission Standard	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Cylinders	6	6	6	6
Displacement	9.0L (548 cu. in.)	9.0L (548 cu. in.)	6.8L (414 cu. in.)	6.8L (414 cu. in.)
Net Engine Power				
Gear 1	138 kW (185 hp)	138 kW (185 hp)	131 kW (175 hp)	131 kW (175 hp)
Gear 2	149 kW (200 hp)	149 kW (200 hp)	134 kW (180 hp)	134 kW (180 hp)
Gear 3	160 kW (215 hp)	160 kW (215 hp)	146 kW (195 hp)	138 kW (185 hp)
Gear 4	168 kW (225 hp)	168 kW (225 hp)	153 kW (205 hp)	138 kW (185 hp)
Gear 5	172 kW (230 hp)	172 kW (230 hp)	149 kW (200 hp)*	138 kW (185 hp)*
Gear 6	179 kW (240 hp)	179 kW (240 hp)	153 kW (205 hp)*	138 kW (185 hp)*
Gear 7	187 kW (250 hp)	187 kW (250 hp)	157 kW (210 hp)*	138 kW (185 hp)*
Gear 8	179 kW (240 hp)*	179 kW (240 hp)*	160 kW (215 hp)*	138 kW (185 hp)*
Net Peak Torque	1248 Nm (920 lb.-ft.)	1248 Nm (920 lb.-ft.)	915 Nm (675 lb.-ft.)	831 Nm (613 lb.-ft.)
Net Torque Rise	54%	54%	33%	44%
Aspiration	Turbocharged, charge-air cooled		Turbocharged, charge-air cooled	
Lubrication	Full-flow spin-on filter and integral cooler		Full-flow spin-on filter and integral cooler	
Air Cleaner with Restriction Indicator	Dual element, dry	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	Automatic dual-path hydrostatic drive; increases tractive effort and front-end control; includes separate left and right systems with variable-displacement pumps, axial-piston wheel motors, and freewheel at transport speeds; operator-selectable 15-position rotary aggressiveness control and inching capability down to 0 mph; precision mode (propelled by front wheels only)			
Effective Gears	1–7 forward and reverse (9.0L engines) / 1–4 forward and reverse (6.8L engines)			
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	Direct-drive John Deere PowerShift Plus™, modulated shift-on-the-go, Event-Based Shifting (EBS), inching pedal; independent transmission reservoir with separate filtration and cooling system with 117-L/min. (31 gpm) gear pump			
Gears				
Forward	8			
Reverse	8			
Maximum Travel Speeds	*No tire slip at 2,180 rpm, 14.0-R24 tires*			
Gear 1	4.0 km/h (2.5 mph)			
Gear 2	5.6 km/h (3.5 mph)			
Gear 3	7.7 km/h (4.8 mph)			
Gear 4	10.9 km/h (6.8 mph)			
Gear 5	16.4 km/h (10.2 mph)			
Gear 6	23.2 km/h (14.4 mph)			
Gear 7	32.3 km/h (20.1 mph)			
Gear 8	45.5 km/h (28.3 mph)			
Front Axle	Heavy-duty welded fabrication			
Oscillation (total)	32 deg.			
Wheel Lean Angle (each direction)	20 deg.			
Differentials	Spiral bevel; hydraulically actuated, clutch type can be applied on-the-go; selectable manual or automatic differential lock			
Steering (all models include steering wheel)	All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side-slope stability; return-to-straight control 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 cooled, filtered oil			
Brakes	Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in pressurized, cooled, filtered oil; both independent systems effective on all 4 tandem wheels			
Primary and Secondary Brakes	Hydraulically actuated, inboard of tandem pivot, self-adjusting, sealed in cooled and filtered oil, multi-disc (ISO 3450)			
Parking Brake	Automatically spring applied, hydraulically released, oil cooled, self-adjusting (ISO 3450)			

672G / GP SPECIFICATIONS

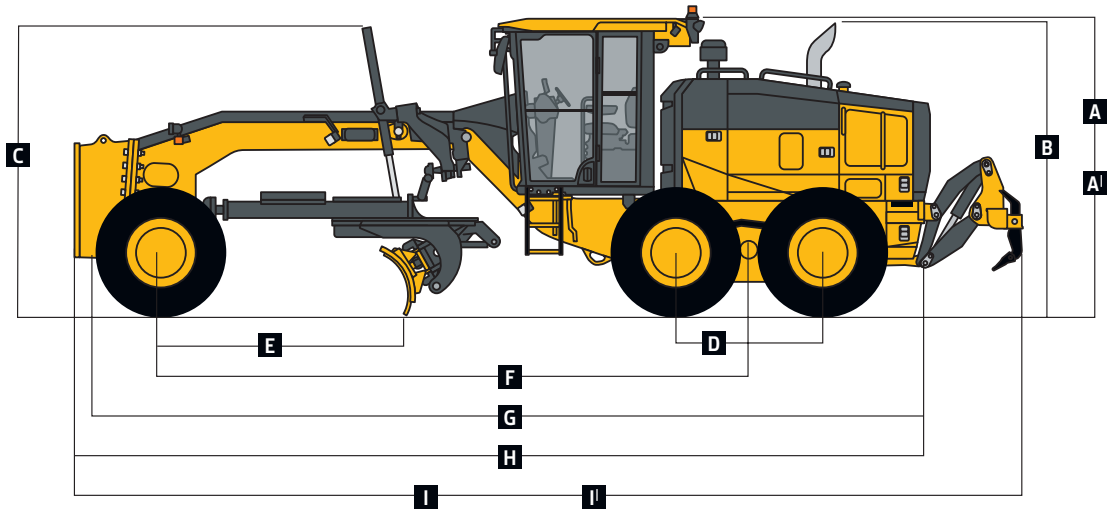
Hydraulics	672G/GP
Type	Closed-center, pressure-compensated load-sensing (PCLS), variable-displacement piston pump
Maximum Pump Flow	212 L/min. (56 gpm)
Maximum System Pressure	18 961 kPa (2,750 psi)
Pump Displacement	90 cm^3 (5.5 cu. in.)
Blade Function	
All-hydraulic, industry-standard lever placement of blade-function controls; includes float position; 7 discrete saddle positions	
Blade Range	
Lift Above Ground	490 mm (19.3 in.)
Blade Side Shift (right or left)	683 mm (26.9 in.)
Pitch at Ground Line	
Forward	42 deg.
Back	5 deg.
Shoulder Reach Outside Wheels (frame straight, right or left)	2083 mm (82.0 in.) (6 ft. 10 in.)
Bank Cut Angle (right or left)	90 deg.
Blade Pull	
At Maximum Operating Weight	22 453 kg (49,500 lb.)
Electrical	
Solid-state load center and sealed-switch module	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*
Voltage	24 volt
Number of Batteries	2
Battery Capacity	1,400 CCA
Reserve Capacity	440 min.
Amp-Hour Rating	224 amp-hour
Alternator Rating	
Base	100 amp
Optional	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	
Type	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 cm^3 (88 cu. in.)
Average Vertical Section at Saddle	2245 cm^3 (137 cu. in.)
Draft Frame (drawbar)	
Welded box construction machined for flatness with double ball-and-socket pivot connection equipped with quick-change replaceable wear inserts	
Circle	
Welded construction, heat-treated, machined for flatness, equipped with quick-change replaceable wear inserts	
Circle Diameter	1524 mm (60 in.)
Rotation	360 deg.
Drive	Hydraulic motor and worm gear with positive lock
Circle Side Shift (right and left)	787 mm (31 in.)
Moldboard	
High-strength, pre-stressed for higher strength; wear-resistant, high-carbon steel and reversible end bits; blade side-shift wear system includes quick-change replaceable wear inserts and quick-adjust jackscrew system	
Base Length	3.66 m (144 in.) (12 ft. 0 in.)
Height (measured along arc, including cutting edge)	610 mm (24 in.)
Thickness	22 mm (0.88 in.)
Cutting Edge	
Dura-Max™ through-hardened steel edge	
Thickness	16 mm (0.62 in.)
Width	152 mm (6 in.)

672G/GP

Scarifiers	672G/GP	
	Front	*Mid-mount*
Type	V-type toolbar with manual 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 hydraulic float		
Lift		
Above Ground (top of tube)	1864 mm (73.4 in.)	
Range	988 mm (38.9 in.)	
Rear Ripper/Scarifier		
Parallel linkage, with NeverGrease pin joints, hydraulic float, and integrated hitch		
	Ripper	*Scarifier*
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)	2.18 m (86 in.) (7 ft. 2 in.)
Number of Shanks/Teeth	3 (maximum capacity 5)	None standard (maximum capacity 9)
Lift Above Ground	602 mm (23.7 in.)	810 mm (31.9 in.)
Maximum Depth	426 mm (16.8 in.)	323 mm (12.7 in.)
Force at Typical FT4 Weight		
Penetration	9712 kg (21,411 lb.)	—
Pry-Out	13 671 kg (30,139 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) and FOPS (ISO 3449-2005)		
Tires/Wheels		
	14R24 on 254-mm (10 in.) Rim	*17.5R25 on 356-mm (14 in.) Rim*
Wheel Tread on Ground	2.08 m (82.0 in.)	2.16 m (85.0 in.)
Overall Width	2.49 m (98.0 in.)	2.64 m (104.0 in.)
Ground Clearance (front axle)	587 mm (23.1 in.)	587 mm (23.1 in.)
Serviceability		
	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II	
Refill Capacities	*9.0L engine*	*6.8L engine*
Fuel Tank	416.5 L (110 gal.)	416.5 L (110 gal.)
Cooling System	48.5 L (12.8 gal.)	44 L (11.6 gal.)
Engine Oil with Filter	28.0 L (7.4 gal.)	26.0 L (6.9 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	53.0 L (14 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 ⅝ in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*	
Front	4826 kg (10,640 lb.)	
Rear	11 814 kg (26,045 lb.)	
Total	16 640 kg (36,685 lb.)	
Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment		
Front	5970 kg (13,162 lb.)	
Rear	13 330 kg (29,388 lb.)	
Total	19 300 kg (42,550 lb.)	
Maximum Operating Weight	24 948 kg (55,000 lb.)	

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 ⅞ in.) with 152-mm x 16-mm (6 in. x ⅝ in.) cutting edge and 16-mm (⅝ in.) hardware	0 kg (0 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ⅞ in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	45 kg (99 lb.)
3.66 m x 686 mm x 25 mm (12 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	126 kg (277 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 (⅝ in.) hardware	180 kg (396 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ⅞ in.) with 152-mm x 16-mm (6 in. x ⅝ in.) cutting edge and 16-mm (⅝ in.) hardware	105 kg (231 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ⅞ in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (⅝ 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 ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	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 ¾ in.) cutting edge and 19-mm (¾ 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.)
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.)

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	
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	77 kg (169 lb.)
Rear	141 kg (310 lb.)
Low Cab with Opening Front and Side Windows	14.5 kg (32 lb.)
Premium Air-Suspension, Heated Seat with Adjustable Arm- and Headrests	13 kg (28 lb.)
Coolant Heater	4 kg (9 lb.)
Quick Service	11 kg (24 lb.)
Sound-Absorption Package (machines equipped with Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 kg (31 lb.)
Secondary Steering	26 kg (58 lb.)
Beacon Bracket	8 kg (18 lb.)
Fire Extinguisher	14.5 kg (32 lb.)
Lighting Packages	
10 Halogen Lights	4.5 kg (10 lb.)
16 Halogen Lights	7 kg (16 lb.)
18 Halogen Lights	8 kg (18 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 20.	



772G / GP SPECIFICATIONS

Engine	772G/GP	
Manufacturer and Model	John Deere PowerTech™ Plus 9.0L	John Deere PowerTech™ 9.0L
Non-Road Emission Standard	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Cylinders	6	6
Displacement	9.0L (548 cu. in.)	9.0L (548 cu. in.)
Net Engine Power		
Gear 1	153 kW (205 hp)	153 kW (205 hp)
Gear 2	164 kW (220 hp)	164 kW (220 hp)
Gear 3	175 kW (235 hp)	175 kW (235 hp)
Gear 4	183 kW (245 hp)	183 kW (245 hp)
Gear 5	187 kW (250 hp)	187 kW (250 hp)
Gear 6	194 kW (260 hp)	194 kW (260 hp)
Gear 7	201 kW (270 hp)	201 kW (270 hp)
Gear 8	194 kW (260 hp)*	194 kW (260 hp)*
Net Peak Torque	1300 Nm (959 lb.-ft.)	1300 Nm (959 lb.-ft.)
Net Torque Rise	57%	57%
Aspiration	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled
Lubrication	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler
Air Cleaner with Restriction Indicator	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	Automatic dual-path hydrostatic drive; increases tractive effort and front-end control; includes separate left and right systems with variable-displacement pumps, axial-piston wheel motors, and freewheel at transport speeds; operator-selectable 15-position rotary aggressiveness control and inching capability down to 0 mph; precision 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)	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 Shifting (EBS), inching pedal; independent transmission reservoir with separate filtration and cooling system with 117-L/min. (31 gpm) gear pump	
Gears		
Forward	8	
Reverse	8	
Maximum Travel Speeds	*No tire slip at 2,180 rpm, 14.0-R24 tires*	
Gear 1	4.0 km/h (2.5 mph)	
Gear 2	5.6 km/h (3.5 mph)	
Gear 3	7.7 km/h (4.8 mph)	
Gear 4	10.9 km/h (6.8 mph)	
Gear 5	16.4 km/h (10.2 mph)	
Gear 6	23.2 km/h (14.4 mph)	
Gear 7	32.3 km/h (20.1 mph)	
Gear 8	45.5 km/h (28.3 mph)	
Front Axle	Heavy-duty welded fabrication	
Oscillation (total)	32 deg.	
Wheel Lean Angle (each direction)	20 deg.	
Differentials	Spiral bevel; hydraulically actuated, clutch type can be applied on-the-go; selectable manual or automatic differential lock	
Steering (all models include steering wheel)	All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side-slope stability; return-to-straight control 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 cooled, filtered oil	
Brakes	Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in pressurized, cooled, filtered oil; both independent systems effective on all 4 tandem wheels	
Primary and Secondary Brakes	Hydraulically actuated, inboard of tandem pivot, self-adjusting, sealed in cooled and filtered oil, multi-disc (ISO 3450)	
Parking Brake	Automatically spring applied, hydraulically released, oil cooled, self-adjusting (ISO 3450)	

772G / GP *SPECIFICATIONS*

Hydraulics	**772G/GP**
Type	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 cm^3 (5.5 cu. in.)
Blade Function	
All-hydraulic, industry-standard lever placement of blade-function controls; includes float position; 7 discrete saddle positions	
Blade Range	
Lift Above Ground	490 mm (19.3 in.)
Blade Side Shift (right or left)	683 mm (26.9 in.)
Pitch at Ground Line	
Forward	42 deg.
Back	5 deg.
Shoulder Reach Outside Wheels (frame straight, right or left)	2083 mm (82.0 in.) (6 ft. 10 in.)
Bank Cut Angle (right or left)	90 deg.
Blade Pull	
At Maximum Operating Weight	22 453 kg (49,500 lb.)
Electrical	
Solid-state load center and sealed-switch module	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*
Voltage	24 volt
Number of Batteries	2
Battery Capacity	1,400 CCA
Reserve Capacity	440 min.
Amp-Hour Rating	224 amp-hour
Alternator Rating	
Base	100 amp
Optional	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	
Type	Welded box construction
Width (minimum)	307 mm (12.1 in.)
Height (minimum)	307 mm (12.1 in.)
Thickness	
Side	16 mm (0.63 in.)
Top and Bottom Plate	23 mm (0.89 in.)
Modulus	
Minimum Vertical Section	1770 cm^3 (108 cu. in.)
Average Vertical Section at Saddle	2245 cm^3 (137 cu. in.)
Draft Frame (drawbar)	
Welded box construction machined for flatness with double ball-and-socket pivot connection equipped with quick-change replaceable wear inserts	
Circle	
Welded construction, heat-treated, machined for flatness, equipped with quick-change replaceable wear inserts	
Circle Diameter	1524 mm (60 in.)
Rotation	360 deg.
Drive	Hydraulic motor and worm gear with positive lock
Circle Side Shift (right and left)	787 mm (31 in.)
Moldboard	
High-strength, pre-stressed for higher strength, wear-resistant, high-carbon steel and reversible end bits; blade side-shift wear system includes quick-change replaceable wear inserts and quick-adjust jackscrew system	
Base Length	3.66 m (144 in.) (12 ft. 0 in.)
Height (measured along arc, including cutting edge)	610 mm (24 in.)
Thickness	22 mm (0.88 in.)
Cutting Edge	
Dura-Max™ through-hardened steel edge	
Thickness	16 mm (0.62 in.)
Width	152 mm (6 in.)

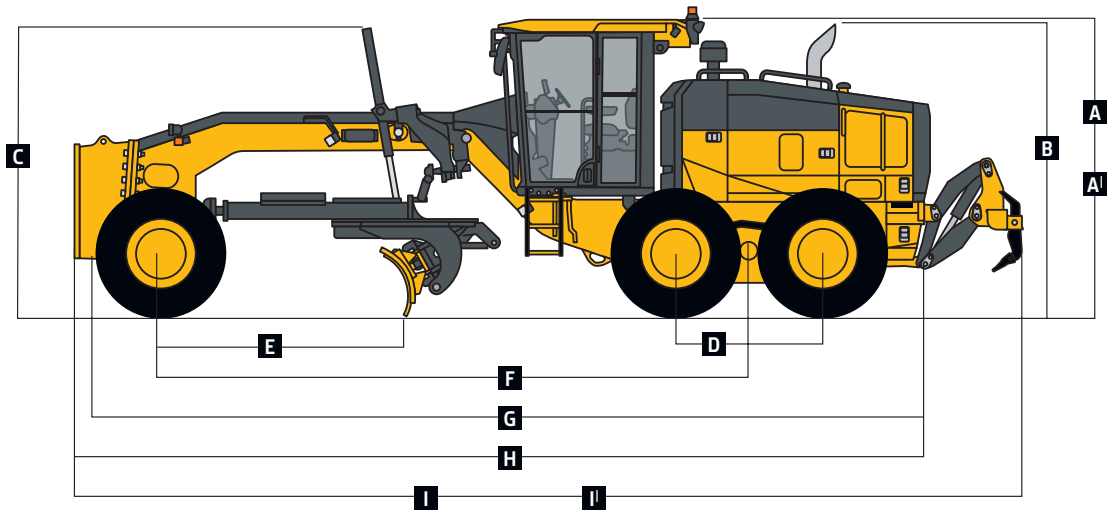
772G/GP

Scarifiers	772G/GP		
	Front	*Mid-mount*	
Type	V-type toolbar with manual 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 hydraulic float			
Lift			
Above Ground (top of tube)	1864 mm (73.4 in.)		
Range	988 mm (38.9 in.)		
Rear Ripper/Scarifier			
Parallel linkage, with NeverGrease pin joints, hydraulic float, and integrated hitch			
	Ripper	*Scarifier*	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)	2.18 m (86 in.) (7 ft. 2 in.)	
Number of Shanks/Teeth	3 (maximum capacity 5)	None standard (maximum capacity 9)	
Lift Above Ground	602 mm (23.7 in.)	810 mm (31.9 in.)	
Maximum Depth	426 mm (16.8 in.)	323 mm (12.7 in.)	
Force at Typical FT4 Weight			
Penetration	9781 kg (21,564 lb.)	—	
Pry-Out	13 991 kg (30,845 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) and FOPS (ISO 3449-2005)			
Tires/Wheels			
	14R24 on 254-mm (10 in.) Rim	*17.5R25 on 356-mm (14 in.) Rim*	*550/65R25 on 432-mm (17 in.) Rim*
Wheel Tread on Ground	2.08 m (82.0 in.)	2.16 m (85.0 in.)	2.21 m (87.0 in.)
Overall Width	2.49 m (98.0 in.)	2.64 m (104.0 in.)	2.77 m (109.0 in.)
Ground Clearance (front axle)	587 mm (23.1 in.)	587 mm (23.1 in.)	612 mm (24.1 in.)
Serviceability			
Refill Capacities	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*		
Fuel Tank	416.5 L (110 gal.)		
Cooling System	48.5 L (12.8 gal.)		
Engine Oil with Filter	27.0 L (7.1 gal.)		
Transmission Fluid	28.4 L (7.5 gal.)		
Differential Housing	38.0 L (10 gal.)		
Tandem Housings (each)	74.0 L (19.5 gal.)		
Circle Gearbox	5.7 L (1.5 gal.)		
Hydraulic Reservoir	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 ⅝ in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*		
Front	4930 kg (10,869 lb.)		
Rear	11 937 kg (26,317 lb.)		
Total	16 867 kg (37,185 lb.)		
Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment			
Front	6177 kg (13,618 lb.)		
Rear	13 427 kg (29,602 lb.)		
Total	19 604 kg (43,220 lb.)		
Maximum Operating Weight	24 948 kg (55,000 lb.)		

Option Weights	772G/GP
Moldboards with Through-Hardened Dura-Max Cutting Edge	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ⅞ in.) with 152-mm x 16-mm (6 in. x ⅝ in.) cutting edge and 16-mm (⅝ in.) hardware	0 kg (0 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ⅞ in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	45 kg (99 lb.)
3.66 m x 686 mm x 25 mm (12 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	126 kg (277 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 (⅝ in.) hardware	180 kg (396 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ⅞ in.) with 152-mm x 16-mm (6 in. x ⅝ in.) cutting edge and 16-mm (⅝ in.) hardware	105 kg (231 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x ⅞ in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (⅝ 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 ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	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 ¾ in.) cutting edge and 19-mm (¾ 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.)
Moldboard Impact-Absorption System	43 kg (95 lb.)
Ripper/Scarifier, Rear Mounted with Hitch and Ripper Shanks (3)	1139 kg (2,510 lb.)
Scarifier Shanks with Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
Ripper Shanks and Teeth (2)	63 kg (139 lb.)
Rear Counterweight with Integral Rear Hitch	727 kg (1,603 lb.)
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.)

Option Weights *(continued)*	772G/GP
Rear Hitch	54.4 kg (120 lb.)
Push Block, Front	1338 kg (2,950 lb.)
Scarifier	
Front Mount with Teeth (5)	831 kg (1,833 lb.)
Mid-Mount with Teeth (11)	1481 kg (3,265 lb.)
Front Lift Group (Balderson-style)	763 kg (1,682 lb.)
Tires	
14.00-24, 12 PR G2	– 220.4 kg (– 486 lb.)
17.5-25, 12 PR G2/L2	– 106 kg (– 234 lb.)
14.00-R24, Radial, G2/L2 General Purpose	0 kg (0 lb.)
14.00-R24, Radial, G2/L2 Snow	40.8 kg (90 lb.)
17.5-R25, Radial, L2 General Purpose	51.7 kg (114 lb.)
17.5-R25, Radial, G2/L2 Snow	95.3 kg (210 lb.)
17.5-R25, Radial, G3/L3 General Purpose	141.5 kg (312 lb.)
550/65R25 XLD70 G3/L3 Radial, General Purpose	495.3 kg (1,092 lb.)
Multi-Piece Rims	
254 mm x 610 mm (10 in. x 24 in.)	0 kg (0 lb.)
356 mm x 635 mm (14 in. x 25 in.)	85.3 kg (188 lb.)
432 mm x 635 mm (17 in. x 25 in.)	131.6 kg (290 lb.)
Fenders	
Front	77 kg (169 lb.)
Rear	141 kg (310 lb.)
Low Cab with Opening Front and Side Windows	14.5 kg (32 lb.)
Premium Air-Suspension, Heated Seat with Adjustable Arm- and Headrests	13 kg (28 lb.)
Coolant Heater	4 kg (9 lb.)
Quick Service	11 kg (24 lb.)
Sound-Absorption Package (machines equipped with Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 kg (31 lb.)
Secondary Steering	26 kg (58 lb.)
Beacon Bracket	8 kg (18 lb.)
Fire Extinguisher	14.5 kg (32 lb.)
Lighting Packages	
10 Halogen Lights	4.5 kg (10 lb.)
16 Halogen Lights	7 kg (16 lb.)
18 Halogen Lights	8 kg (18 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 24.



872G / GP SPECIFICATIONS

Engine	872G/GP	
Manufacturer and Model	John Deere PowerTech™ Plus 9.0L	John Deere PowerTech™ 9.0L
Non-Road Emission Standard	EPA Tier 3/EU Stage IIIA	EPA Tier 2/EU Stage II
Cylinders	6	6
Displacement	9.0L (548 cu. in.)	9.0L (548 cu. in.)
Net Engine Power		
Gear 1	168 kW (225 hp)	168 kW (225 hp)
Gear 2	179 kW (240 hp)	179 kW (240 hp)
Gear 3	190 kW (255 hp)	190 kW (255 hp)
Gear 4	198 kW (265 hp)	198 kW (265 hp)
Gear 5	201 kW (270 hp)	201 kW (270 hp)
Gear 6	209 kW (280 hp)	209 kW (280 hp)
Gear 7	209 kW (280 hp)	209 kW (280 hp)
Gear 8	209 kW (280 hp)*	209 kW (280 hp)*
Net Peak Torque	1329 Nm (980 lb.-ft.)	1329 Nm (980 lb.-ft.)
Net Torque Rise	48%	48%
Aspiration	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled
Lubrication	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler
Air Cleaner with Restriction Indicator	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	Automatic dual-path hydrostatic drive; increases tractive effort and front-end control; includes separate left and right systems with variable-displacement pumps, axial-piston wheel motors, and freewheel at transport speeds; operator-selectable 15-position rotary aggressiveness control and inching capability down to 0 mph; precision 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)	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 Shifting (EBS), inching pedal; independent transmission reservoir with separate filtration and cooling system with 121-L/min. (32 gpm) gear pump	
Gears		
Forward	8	
Reverse	8	
Maximum Travel Speeds	*No tire slip at 2,180 rpm, 14.0-R24 tires*	
Gear 1	3.9 km/h (2.4 mph)	
Gear 2	5.6 km/h (3.5 mph)	
Gear 3	7.9 km/h (4.9 mph)	
Gear 4	10.9 km/h (6.8 mph)	
Gear 5	16.7 km/h (10.4 mph)	
Gear 6	23.3 km/h (14.5 mph)	
Gear 7	32.2 km/h (20.0 mph)	
Gear 8	45.0 km/h (28.0 mph)	
Front Axle	Heavy-duty welded fabrication	
Oscillation (total)	32 deg.	
Wheel Lean Angle (each direction)	20 deg.	
Differentials	Spiral bevel; hydraulically actuated, clutch type can be applied on-the-go; selectable manual or automatic differential lock	
Steering (all models include steering wheel)	All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side-slope stability; return-to-straight control 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 cooled, filtered oil	
Brakes	Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in pressurized, cooled, filtered oil; both independent systems effective on all 4 tandem wheels	
Primary and Secondary Brakes	Hydraulically actuated, inboard of tandem pivot, self-adjusting, sealed in cooled and filtered oil, multi-disc (ISO 3450)	
Parking Brake	Automatically spring applied, hydraulically released, oil cooled, self-adjusting (ISO 3450)	

872G / GP *SPECIFICATIONS*

Hydraulics	**872G/GP**
Type	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 cm^3 (5.5 cu. in.)
Blade Function	
All-hydraulic, industry-standard lever placement of blade-function controls; includes float position; 7 discrete saddle positions	
Blade Range	
Lift Above Ground	452 mm (17.8 in.)
Blade Side Shift (right or left)	683 mm (26.9 in.)
Pitch at Ground Line	
Forward	42 deg.
Back	5 deg.
Shoulder Reach Outside Wheels (frame straight, right or left)	2329 mm (91.7 in.) (7 ft. 8 in.)
Bank Cut Angle (right or left)	90 deg.
Blade Pull	
At Maximum Operating Weight	22 453 kg (49,500 lb.)
Electrical	
Solid-state load center and sealed-switch module	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*
Voltage	24 volt
Number of Batteries	2
Battery Capacity	1,400 CCA
Reserve Capacity	440 min.
Amp-Hour Rating	224 amp-hour
Alternator Rating	
Base	100 amp
Optional	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	
Type	Welded box construction
Width (minimum)	307 mm (12.1 in.)
Height (minimum)	307 mm (12.1 in.)
Thickness	
Side	16 mm (0.63 in.)
Top and Bottom Plate	30 mm (1.17 in.)
Modulus	
Minimum Vertical Section	1770 cm^3 (108 cu. in.)
Average Vertical Section at Saddle	2635 cm^3 (161 cu. in.)
Draft Frame (drawbar)	
Welded box construction machined for flatness with double ball-and-socket pivot connection equipped with quick-change replaceable wear inserts	
Circle	
Welded construction, heat-treated, machined for flatness, equipped with quick-change replaceable wear inserts	
Circle Diameter	1524 mm (60 in.)
Rotation	360 deg.
Drive	Hydraulic motor and worm gear with positive lock
Circle Side Shift (right and left)	787 mm (31 in.)
Moldboard	
High-strength, pre-stressed for higher strength, wear-resistant, high-carbon steel and reversible end bits; blade side-shift wear system includes quick-change replaceable wear inserts and quick-adjust jackscrew system	
Base Length	4.27 m (168 in.) (14 ft. 0 in.)
Height (measured along arc, including cutting edge)	686 mm (27 in.)
Thickness	25 mm (1 in.)
Cutting Edge	
Dura-Max™ through-hardened steel edge	
Thickness	19 mm (0.75 in.)
Width	203 mm (8 in.)

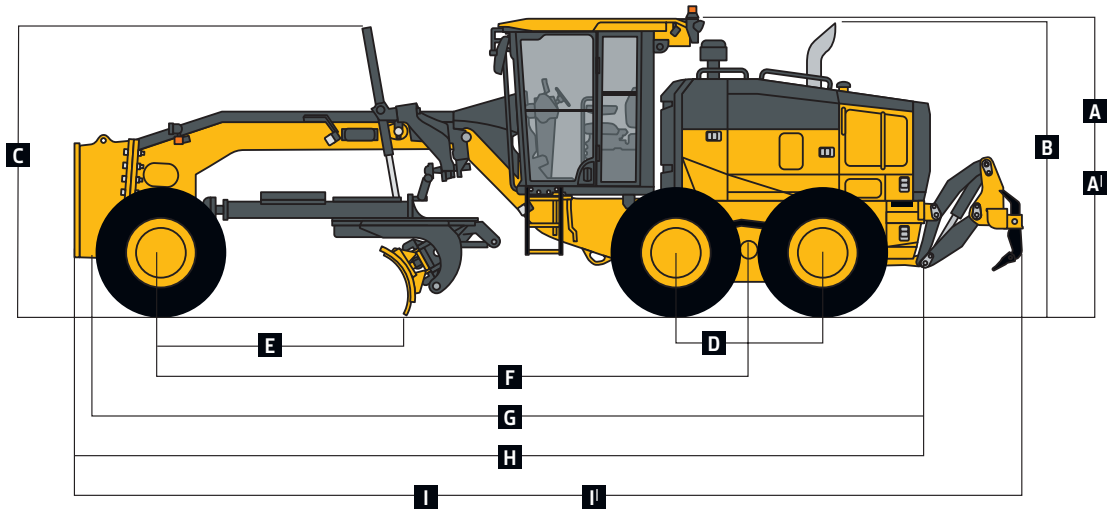
872G/GP

Scarifiers	872G/GP		
	Front	*Mid-mount*	
Type	V-type toolbar with manual 2-pitch positions and hydraulic float	Radial linkage, with NeverGrease™ pin joints	
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 hydraulic float			
Lift			
Above Ground (top of tube)	1864 mm (73.4 in.)		
Range	988 mm (38.9 in.)		
Rear Ripper/Scarifier			
Parallel linkage, with NeverGrease pin joints, hydraulic float, and integrated hitch			
	Ripper	*Scarifier*	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)	2.18 m (86 in.) (7 ft. 2 in.)	
Number of Shanks/Teeth	3 (maximum capacity 5)	None standard (maximum capacity 9)	
Lift Above Ground	602 mm (23.7 in.)	810 mm (31.9 in.)	
Maximum Depth	426 mm (16.8 in.)	323 mm (12.7 in.)	
Force at Typical FT4 Weight			
Penetration	10 328 kg (22,770 lb.)	—	
Pry-Out	14 404 kg (31,756 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) and FOPS (ISO 3449-2005)			
Tires/Wheels			
	14R24 on 254-mm (10 in.) Rim	*17.5R25 on 356-mm (14 in.) Rim*	*550/65R25 on 432-mm (17 in.) Rim*
Wheel Tread on Ground	2.08 m (82.0 in.)	2.16 m (85.0 in.)	2.21 m (87.0 in.)
Overall Width	2.49 m (98.0 in.)	2.64 m (104.0 in.)	2.77 m (109.0 in.)
Ground Clearance (front axle)	587 mm (23.1 in.)	587 mm (23.1 in.)	612 mm (24.1 in.)
Serviceability			
Refill Capacities	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*		
Fuel Tank	416.5 L (110 gal.)		
Cooling System	48.5 L (12.8 gal.)		
Engine Oil with Filter	27.0 L (7.1 gal.)		
Transmission Fluid	28.4 L (7.5 gal.)		
Differential Housing	38.0 L (10 gal.)		
Tandem Housings (each)	74.0 L (19.5 gal.)		
Circle Gearbox	5.7 L (1.5 gal.)		
Hydraulic Reservoir	53.0 L (14 gal.)		
Operating Weights			
With Full Fuel Tank, 4.27-m x 686-mm x 25-mm (14 ft. x 27 in. x 1.0 in.) Moldboard with 203-mm x 19-mm (8 in. x ¾ in.) Cutting Edges, 17.5R25 L2 Tires, and 79-kg (175 lb.) Operator	*EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II*		
Front	5103 kg (11,250 lb.)		
Rear	12 242 kg (26,990 lb.)		
Total	17 345 kg (38,240 lb.)		
Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment			
Front	6407 kg (14,124 lb.)		
Rear	14 036 kg (30,944 lb.)		
Total	20 443 kg (45,068 lb.)		
Maximum Operating Weight	24 948 kg (55,000 lb.)		

Option Weights	872G/GP
Moldboards with Through-Hardened Dura-Max Cutting Edge	
3.66 m x 686 mm x 25 mm (12 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	– 126 kg (– 278 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 (⅝ in.) hardware	– 72 kg (– 159 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 ¾ in.) cutting edge and 16-mm (⅝ in.) hardware	0 kg (0 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 ¾ in.) cutting edge and 19-mm (¾ in.) hardware	9.5 kg (21 lb.)
4.88 m x 686 mm x 25 mm (16 ft. x 27 in. x 1 in.) with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge and 19-mm (¾ in.) hardware	137 kg (302 lb.)
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.)
Moldboard Impact-Absorption System	43 kg (95 lb.)
Ripper/Scarifier, Rear Mounted with Hitch and Ripper Shanks (3)	1139 kg (2,510 lb.)
Scarifier Shanks with Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
Ripper Shanks and Teeth (2)	63 kg (139 lb.)
Rear Counterweight with Integral Rear Hitch	727 kg (1,603 lb.)
Rear Hitch	54.4 kg (120 lb.)
Push Block, Front	1338 kg (2,950 lb.)
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	3.13 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
Front Lift Group (Balderson-style)	763 kg (1,682 lb.)
Tires	
14.00-24, 12 PR G2	– 272 kg (– 600 lb.)
17.5-25, 12 PR G2/L2	– 158 kg (– 348 lb.)
14.00-R24, Radial, G2/L2 General Purpose	– 52 kg (– 114 lb.)
14.00-R24, Radial, G2/L2 Snow	– 11 kg (– 24 lb.)
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.)
Multi-Piece Rims	
254 mm x 610 mm (10 in. x 24 in.)	– 85 kg (– 188 lb.)
356 mm x 635 mm (14 in. x 25 in.)	0 kg (0 lb.)
432 mm x 635 mm (17 in. x 25 in.)	46 kg (102 lb.)
Fenders	
Front	77 kg (169 lb.)
Rear	141 kg (310 lb.)
Cab, Low with Opening Front and Side Windows	14.5 kg (32 lb.)
Premium Air-Suspension, Heated Seat with Adjustable Arm- and Headrests	13 kg (28 lb.)
Coolant Heater	4 kg (9 lb.)
Quick Service	11 kg (24 lb.)
Sound-Absorption Package (machines equipped with Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 kg (31 lb.)
Secondary Steering	26 kg (58 lb.)
Beacon Bracket	8 kg (18 lb.)
Fire Extinguisher	14.5 kg (32 lb.)
Lighting Packages	
10 Halogen Lights	4.5 kg (10 lb.)
16 Halogen Lights	7 kg (16 lb.)
18 Halogen Lights	8 kg (18 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.



Additional equipment

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

622	672	772	872	Operator's Station
●	●	●	●	Low-profile ROPS/FOPS cab with HVAC (ROPS ISO 3471 / FOPS SAE 3449 Level II)
▲	▲	▲	▲	Low-profile ROPS/FOPS cab utilizing laminated glass with fixed lower front and side opening windows
▲	▲	▲	▲	Opening front and side windows (standard with Grade Pro)
●	●	●	●	Keyless start with multiple security modes
●	●	●	●	Fabric air-suspension seat with armrests and headrest
▲	▲	▲	▲	Premium heated, leather/fabric, high-wide-back, air-suspension seat with armrests (standard with Grade Pro)
●	●	●	●	Sealed-switch module with function indicators
●	●	●	●	Electric rear-window defroster
●	●	●	●	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 rearview camera with dedicated 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
●	●	●	●	Push-button-activated cruise control

622	672	772	872	Electrical
●	●	●	●	100-amp alternator
▲	▲	▲	▲	130-amp alternator
●				Batteries (2), 950 CCA with 190-min. reserve capacity
▲	●	●	●	Batteries (2), 1,400 CCA with 440-min. reserve capacity
▲	●	●	●	Left-hand engine compartment service-check light
▲	▲	▲	▲	Right-hand engine compartment service-check light
●	●	●	●	Transporting lights (4 halogen)
▲	▲	▲	▲	Grading lights (10 halogen lights)
▲	▲	▲	▲	Deluxe grading lights (18 halogen lights)
▲	▲	▲	▲	Premium grading lights (18 LED lights)
	▲	▲	▲	Tall front snowplow light bar
●	●	●	●	Multifunction/multi-language diagnostic LCD color monitor
●	●	●	●	Reverse warning alarm (SAE J994)
●	●	●	●	LED brake and turn lights
				Moldboard
				Patented pre-stressed, high strength, wear resistant:
●	●	●		3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ⅞ in.)
	▲	▲	▲	3.66 m x 686 mm x 25 mm (12 ft. x 27 in. x 1 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 ⅞ in.)
	▲	▲	●	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

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 ⅞ 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 622G, 672G, and 772G; 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
●	●	●	●	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, hydraulic oil, and axle and transmission fluids
●	●	●	●	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
●	●	●		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
▲	▲	▲	▲	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)

622	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
●	●	●	●	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-ready package
				Grade Control
▲	▲	▲	▲	Mast mounts
▲	▲	▲	▲	Topcon ready on GP models*
▲	▲	▲	▲	Trimble ready on GP models*
▲	▲	▲	▲	Leica ready on GP models*

**Available soon on G 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 ⅞ 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 622G, 672G, and 772G; 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.

JOHN DEERE

JohnDeere.com/graders

IN YOUR WORLD,

DECIDE HOW YOUR WORK GETS DONE.

Take control with more options

Inspired by input from customers like you, the reimagined John Deere G-Series Motor Graders include a host of innovative options like expanded grade-control system choices. Dual-joystick controls on GP models. Precision mode on six-wheel-drive machines. And the smaller, more economical 620G and 622G that deliver practical power at up to 10-percent fuel savings over their larger siblings. We give you the power of choice to match your application. So you can choose to **Run Your World.**

SAFETY live with it DKAGGDR6ROW_EN (digital only) 03-20-18