G-SERIES 6WD MOTOR GRADERS













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.











SIZABLE SHIFT

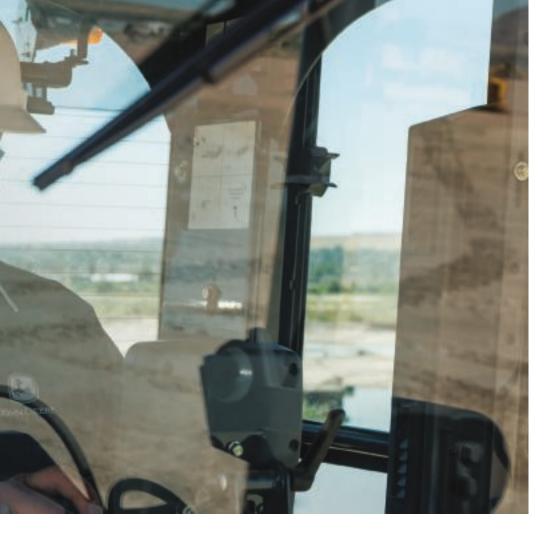
Included on all G and Grade Pro (GP) models with fingertip controls, gate-less shifter builds upon Deere's proven Event-Based Shifting technology to allow operators to directly move the machine from forward to reverse, in any gear, at any time.

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)
- FINGERTIPARMREST 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

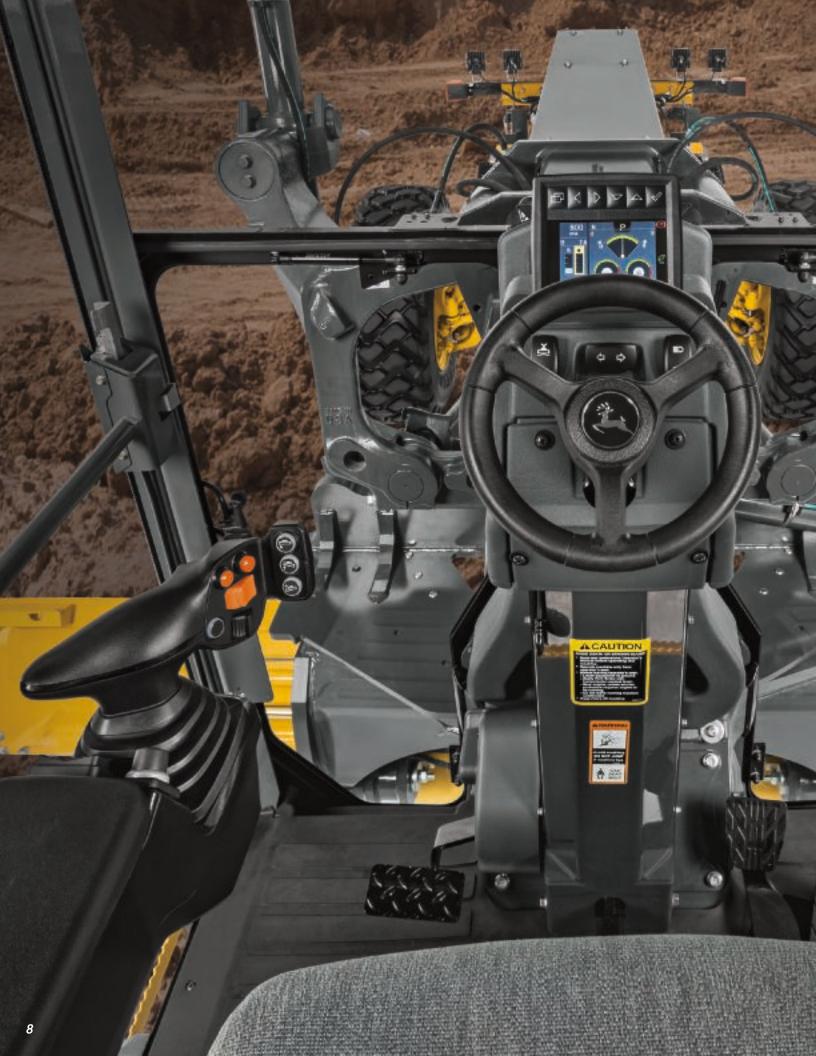
SmartGrade models include a standard Automation Suite (optional on GP models) that streamlines the number of controls needed to perform common tasks. **Auto-Articulation** combines front and rear steering. Use **Blade Flip** to automatically mirror the circle to a preset angle. **Machine Presets** allow 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. When you know how they're built, you'll run these John 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. 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.

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 quarantees, 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 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 hydraulic, transmission, and differential filter bank.









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 IV	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)	123 kW (165 hp)	123 kW (165 hp)
Gear 2	138 kW (185 hp)	131 kW (175 hp)	134 kW (180 hp)
Gear 3	149 kW (200 hp)	142 kW (190 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 (763 lbft.)	915 Nm (675 lbft.)	831 Nm (613 lbft.)
Net Torque Rise	43%	36%	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 coole
Air Cleaner with Restriction Indicator	Dual element, dry	Dual element, dry	Dual element, dry
*6WD not available.	Dual element, di y	Dual element, dry	Dual element, dry
Cooling Engine Coolant, Extended Life, Rating	27 deg C		
Powertrain	–37 deg. C (–34 deg. F)		
6-Wheel Drive	systems with variable-displacement pump	creases tractive effort and front-end cont os, axial-piston wheel motors, and freewhee	el at transport speeds; operator-selectable
E.C C		and inching capability down to 0 mph; preci	sion 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 cm³ (3.5 cu. in.)		
Final Reduction	38.7:1		
Transmission		, modulated shift-on-the-go, Event-Based S tion and cooling system with 117-L/min. (31 g	
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 deq.		
Wheel Lean Angle (each direction)	20 deg.		
Differentials		type can be applied on-the-go; selectable r	manual or automatic differential lock
Steering (all models include steering wheel)	All-hydraulic power-frame articulation for	maneuverability and productivity; crab stee tability; return-to-straight control included	ering reduces side drift, positions tandem
Turning Radius (front steer and articulation)	7.21 m (284 in.) (23 ft. 8 in.)	and the state of state of the s	c.acci io (ai / option
Articulation (both right and left)	22 deg.		
Final Drives	Inboard-mounted planetary sealed in cool	ed. filtered oil	
Brakes		ultiple wet-disc brakes sealed in pressurized	l, cooled, filtered oil; both independent
Primary and Secondary Brakes Parking Brake	Hydraulically actuated, inboard of tandem	pivot, self-adjusting, sealed in cooled and for released, oil cooled, self-adjusting (ISO 345)	
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While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.





Hydraulics

Type Closed-center, pressure-compensated load-sensing (PCLS), variable-displacement piston pump

Maximum Pump Flow 212 L/min. (56 gpm) 18 961 kPa (2,750 psi) Maximum System Pressure 90 cm³ (5.5 cu. in.) Pump Displacement

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 deq.

Shoulder Reach Outside Wheels (frame

straight, right or left)

2083 mm (82.0 in.) (6 ft. 10 in.)

90 deq.

Bank Cut Angle (right or left) **Blade Pull**

20 412 kg (45,000 lb.) At Maximum Operating Weight

Electrical

Solid-state load center and sealed-switch

module EPA Final Tier 4/EU Stage IV EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II

24 volt Voltage 24 volt 2 Number of Batteries 2 1,400 CCA **Battery Capacity** 950 CCA 440 min. 190 min. Reserve Capacity 224 amp-hour 110 amp-hour Amp-Hour Rating

Alternator Rating

130 amp 100 amp Base 130 amp Optional 200 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

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 23 mm (0.89 in.)

Modulus

1445 cm3 (88 cu. in.) Minimum Vertical Section 2245 cm3 (137 cu. in.) Average Vertical Section at Saddle

Draft Frame (drawbar)

Welded box construction machined for flatness with double ball-and-socket pivot connection equipped with quick-change replaceable wear inserts

Welded construction, heat-treated, machined for flatness, equipped with quick-change replaceable wear inserts

Circle Diameter 1524 mm (60 in.) 360 deg. Rotation

Hydraulic motor and worm gear with positive lock Drive

Circle Side Shift (right and left) 787 mm (31 in.)

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

3.66 m (144 in.) (12 ft. 0 in.) Base Length

610 mm (24 in.) Height (measured along arc, including cutting edge) Thickness 22 mm (0.88 in.)

Cutting Edge

Dura-Max™ through-hardened steel edge

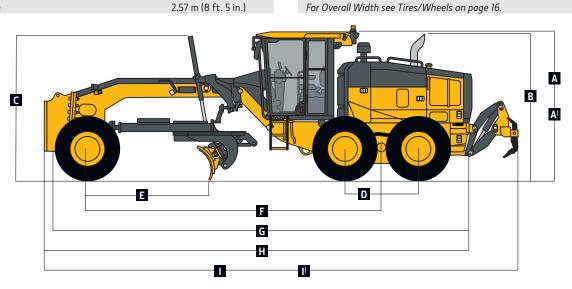
Thickness 16 mm (0.62 in.) Width 152 mm (6 in.)

622G/GP

Scarifiers	622G/GP			
	Front		Mid-mount	
Туре	V-type toolbar with manual 2-pitch po	sitions and		n NeverGrease™ pin joints; V-type mar
	hydraulic float		3-pitch positions a	and hydraulic float
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)		1.19 m (46.7 in.) (3 f	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.)	
	וווווו לככל ווו.)		וווווו (וב.ט ווו.)	
Shank	1/6 /575: \		117 // (.)	
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	ո.)
Front Lift Group (Balderson-style)				
Parallel linkage, mechanical pins, and hydrau	lic 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			
r araner inikage, with Never Grease pin joints,	Ripper		Scarifier	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)		2.18 m (86 in.) (7 f	+ 7 in 1
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 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 ir	٦)
Operator Station	01.5 X 155 11111 (2. 12 X 5.25 111.)		25 % 70 11111 (1 % 5 11	,
	1 EODS (150 37 / 0 3005)			
Low-profile cab with ROPS (ISO 3471-2008) a	ind FUPS (ISU 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 Final Tier 4/EU Stage IV		FPΔ Tier 3/FII Stac	ge IIIA and EPA Tier 2/EU Stage II
Fuel Tank	416.5 L (110 gal.)		303 L (80 gal.)	ge IIIA dila El A Fiel 2/ Eo Stage II
Diesel Exhaust Fluid (DEF) Tank	22.5 L (6 gal.)		200 L (00 gai.)	
Cooling System	51.0 L (13.5 gal.)		44.0 L (11.6 gal.)	
Engine Oil with Filter	31.5 L (8.3 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	60.5 L (16 gal.)		53.0 L (14 gal.)	
,	00.5 E (10 gai.)		33.0 E (14 gai.)	
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 ¾ in.) Cutting				
Edges, and 79-kg 175 lb.) Operator	EPA Final Tier 4/EU Stage IV*			ge IIIA and EPA Tier 2/EU Stage II†
Front	4781 kg (10,540 lb.)		4844 kg (10,680 lb	p.)
Rear	11 984 kg (26,420 lb.)		11 167 kg (24,620 lb	o.)
Total	16 765 kg (36,960 lb.)		16 012 kg (35,300 l	
Typical Operating Weight with Front Push	1/ 10-1			
Block, Rear Ripper/Scarifier, and Other				
Equipment	5/25 L /22 0 C 0 H .		FF70 /22 225 ::	
Front	5425 kg (11,960 lb.)		5579 kg (12,300 lb.	
			12 701 kg (28,000 l	b.)
Rear	13 653 kg (30,100 lb.)		12 / 01 Mg (20)000 M	,
	13 653 kg (30,100 lb.) 19 078 kg (42,060 lb.)		18 280 kg (40,300	
Rear				lb.)

Op	tion Weights	622G/GP
Mo	oldboards with Through-Hardened Dura-Max	
	tting Edge	
	3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ¾ in.)	0 kg (0 lb.)
	with 152-mm x 16-mm (6 in. x $\frac{1}{2}$ in.) cutting edge	
	and 16-mm (⅓ in.) hardware	
	3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x % in.)	45 kg (99 lb.)
	with 203-mm x 19-mm (8 in. x $\frac{3}{4}$ in.) cutting edge	
	and 16-mm (⅓ in.) hardware	
	4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x % in.)	105 kg (231 lb.)
	with 152-mm x 16-mm (6 in. x ¾ in.) cutting edge	
	and 16-mm (5% in.) hardware	
	4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x % in.)	157.4 kg (347 lb.)
	with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	
	and 16-mm (% in.) hardware	
	tensions, 610 mm (2 ft.) (right or left)	316 L /255 H \
	For Use with 610-mm (24 in.) Moldboards	116 kg (255 lb.)
	rerlay End Bits, Reversible (one pair)	10.51 //2.11 /
	For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)
	For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)
	cle-Drive Slip Clutch	9 kg (20 lb.)
	oldboard Impact-Absorption System	43 kg (95 lb.)
	oper, 3 Shank, No Scarifier	1052 kg (2,319 lb.)
	oper/Scarifier, Rear Mounted with Hitch and Ripper anks (3)	1139 kg (2,510 lb.)
Sca	arifier Shanks with Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
Re	ar Counterweight with Integral Rear Hitch	727 kg (1,603 lb.)
Re	ar Hitch	54.4 kg (120 lb.)
Pu	sh Block, Front	907 kg (2,000 lb.)
Sca	arifier	
	Front Mount with Teeth (5)	831 kg (1,833 lb.)
	Mid-Mount with Teeth (11)	1481 kg (3,265 lb.)
	ont Lift Group (Balderson-style)	763 kg (1,682 lb.)
	achine Dimensions	
	Height to Top of Cab	3.18 m (10 ft. 5 in.)
	Height to Top of Full-Height Cab	3.40 m (11 ft. 2 in.)
В	Height to Top of Exhaust (9.0L engine)	3.10 m (10 ft. 2 in.)
С	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.)
Ε	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	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.)
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 Overall Length with Scarifier and Ripper	10.59 m (34 ft. 9 in.)
For Overall Width see Tires (Wheels on page 16	,







Manufacturer and Model	John Deere PowerTech™	John Deere PowerTech™	John Deere PowerTech™	John Deere PowerTech	John Deere PowerTec
Non-Road Emission Standard	PSS 9.0L EPA Final Tier 4/	Plus 9.0L EPA Tier 3/EU Stage IIIA	9.0L EPA Tier 2/EU Stage II	Plus 6.8L EPA Tier 3/EU Stage IIIA	6.8L EPA Tier 2/EU Stage
	EU Stage IV				
Cylinders	6	6	6	6	6
Displacement	9.0L (548 cu. in.)	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	142 kW (190 hp)	138 kW (185 hp)	138 kW (185 hp)	131 kW (175 hp)	131 kW (175 hp)
Gear 2	153 kW (205 hp)	149 kW (200 hp)	149 kW (200 hp)	134 kW (180 hp)	134 kW (180 hp)
Gear 3	164 kW (220 hp)	160 kW (215 hp)	160 kW (215 hp)	146 kW (195 hp)	138 kW (185 hp)
Gear 4	172 kW (230 hp)	168 kW (225 hp)	168 kW (225 hp)	153 kW (205 hp)	138 kW (185 hp)
Gear 5	175 kW (235 hp)	172 kW (230 hp)	172 kW (230 hp)	149 kW (200 hp)*	138 kW (185 hp)*
Gear 6	183 kW (245 hp)	179 kW (240 hp)	179 kW (240 hp)	153 kW (205 hp)*	138 kW (185 hp)*
Gear 7	190 kW (255 hp)	187 kW (250 hp)	187 kW (250 hp)	157 kW (210 hp)*	138 kW (185 hp)*
Gear 8	183 kW (245 hp)*	179 kW (240 hp)*	179 kW (240 hp)*	160 kW (215 hp)*	138 kW (185 hp)*
Net Peak Torque	1273 Nm (939 lbft.)	1248 Nm (920 lbft.)	1248 Nm (920 lbft.)	915 Nm (675 lbft.)	831 Nm (613 lbft.)
Net Torque Rise	54%	54%	54%	33%	44%
Aspiration	Series turbocharged, charge-air cooled	Turbocharged, charge- air cooled	Turbocharged, charge- air cooled	Turbocharged, charge- air cooled	Turbocharged, charg 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	Full-flow spin-on filter and integral cooler	Full-flow spin-on filte and integral cooler
Air Cleaner with Restriction Indicator	Dual element, dry	Dual element, dry	Dual element, dry	Dual element, dry	Dual element, dry
*6WD not available.	Dual ciement, all	Daar crement, ary	Daar crement, any	Daar crement, ary	Daar crement, ary
Cooling					
Engine Coolant, Extended Life, Rating	–37 deg. C (–34 deg. F)				
Powertrain	g (g ,				
6-Wheel Drive	Automatic dual-path hy	drostatic drive: increases	tractive effort and front-	end control; includes sepa	rate left and right
	systems with variable-di	spiacement pumps, axiai	pistori writeer motors, and	ireewiieerat transport spe	.cus, operator-sciectar
Effective Gears	15-position rotary aggres		ng capability down to 0 m	ph; precision mode (prope	
Precision Mode	15-position rotary aggres 1–7 forward and reverse	ssiveness control and inchi	ng capability down to 0 m	ph; precision mode (prope	
Precision Mode Effective Gears	15-position rotary aggres 1–7 forward and reverse 1–3 forward only	ssiveness control and inchi (9.0L engines) / 1–4 forw	ng capability down to 0 m	ph; precision mode (prope	
Precision Mode Effective Gears Operating Speeds	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0	ssiveness control and inchi (9.0L engines) / 1–4 forw	ng capability down to 0 m	ph; precision mode (prope	
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each)	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.)	ssiveness control and inchi (9.0L engines) / 1–4 forw	ng capability down to 0 m	ph; precision mode (prope	
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.)	ssiveness control and inchi (9.0L engines) / 1–4 forw	ng capability down to 0 m	ph; precision mode (prope	
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1	ssiveness control and inchi (9.0L engines) / 1–4 forw mph)	ng capability down to 0 m ard and reverse (6.8L eng	ph; precision mode (prope ines)	lled by front wheels on
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula	ng capability down to 0 m ard and reverse (6.8L eng de de d	ph; precision mode (prope ines) t-Based Shifting (EBS), inc	lled by front wheels on
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula	ng capability down to 0 m ard and reverse (6.8L eng de de d	ph; precision mode (prope ines)	lled by front wheels on
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula	ng capability down to 0 m ard and reverse (6.8L eng de de d	ph; precision mode (prope ines) t-Based Shifting (EBS), inc	lled by front wheels on
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir w	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula	ng capability down to 0 m ard and reverse (6.8L eng de de d	ph; precision mode (prope ines) t-Based Shifting (EBS), inc	lled by front wheels on
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir was 8 8 No tire slip at 2,180 rpm,	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and	ng capability down to 0 m ard and reverse (6.8L eng de de d	ph; precision mode (prope ines) t-Based Shifting (EBS), inc	lled by front wheels on
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir was	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and	ng capability down to 0 m ard and reverse (6.8L eng de de d	ph; precision mode (prope ines) t-Based Shifting (EBS), inc	lled by front wheels on
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir was 8 8 No tire slip at 2,180 rpm,	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117-	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum	lled by front wheels on
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir w 8 8 No tire slip at 2,180 rpm, 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph)	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117-	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)	lled by front wheels on
Precision Mode Effective Gears Operating Speeds Hydrostatic Pumps (2 each) Wheel Motors Final Reduction Transmission Gears Forward Reverse Maximum Travel Speeds Gear 1 Gear 2	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir was 8 No tire slip at 2,180 rpm, 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph) 7.7 km/h (4.8 mph)	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)	lled by front wheels on
Precision Mode 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	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir w 8 8 No tire slip at 2,180 rpm, 4.0 km/h (2.5 mph) 5.6 km/h (3.5 mph)	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6 Gear 7	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)	lled by front wheels on
Precision Mode 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	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir was 8 No tire slip at 2,180 rpm, 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)	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6 Gear 7	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)	lled by front wheels on
Precision Mode 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)	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir was 8 No tire slip at 2,180 rpm, 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 fabra 32 deg.	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6 Gear 7	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph) 32.3 km/h (20.1 mph)	lled by front wheels on
Precision Mode 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	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir w 8 8 No tire slip at 2,180 rpm, 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 fabr 32 deg. 20 deg.	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6 Gear 7 Gear 8	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 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)	lled by front wheels on thing pedal; independe p
Precision Mode 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	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir w 8 8 No tire slip at 2,180 rpm, 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 fabr 32 deg. 20 deg. Spiral bevel; hydraulicall All-hydraulic power-frar	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and 14.0-R24 tires rication ly actuated, clutch type can me articulation for maneu	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6 Gear 7 Gear 8	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 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)	lled by front wheels on the state of the sta
Precision Mode 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	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir w 8 8 No tire slip at 2,180 rpm, 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 fabr 32 deg. 20 deg. Spiral bevel; hydraulicall All-hydraulic power-frar	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and 14.0-R24 tires rication ly actuated, clutch type can and increases side-slope I, and increases side-slope	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6 Gear 7 Gear 8	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 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)	lled by front wheels on the state of the sta
Precision Mode 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)	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir w 8 8 No tire slip at 2,180 rpm, 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 fabr 32 deg. 20 deg. Spiral bevel; hydraulicall All-hydraulic power-frar tandems on firm ground 7.21 m (284 in.) (23 ft. 8	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and 14.0-R24 tires rication ly actuated, clutch type can and increases side-slope I, and increases side-slope	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6 Gear 7 Gear 8	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 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)	lled by front wheels on the control of the control
Precision Mode 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	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir w 8 8 No tire slip at 2,180 rpm, 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 fabil 32 deg. 20 deg. Spiral bevel; hydraulicall All-hydraulic power-frart andems on firm ground 7.21 m (284 in.) (23 ft. 8	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and 14.0-R24 tires rication ly actuated, clutch type can ne articulation for maneu I, and increases side-slope in.)	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6 Gear 7 Gear 8	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 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)	lled by front wheels onl thing pedal; independe p matic differential lock de drift, positions
Precision Mode 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)	15-position rotary aggres 1–7 forward and reverse 1–3 forward only 0.4–8.0 km/h (0.25–5.0 53 cm³ (3.2 cu. in.) 57 cm³ (3.5 cu. in.) 38.7:1 Direct-drive John Deere transmission reservoir w 8 8 No tire slip at 2,180 rpm, 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 fabil 32 deg. 20 deg. Spiral bevel; hydraulicall All-hydraulic power-frart andems on firm ground 7.21 m (284 in.) (23 ft. 8	ssiveness control and inchi (9.0L engines) / 1–4 forw mph) PowerShift Plus™, modula vith separate filtration and 14.0-R24 tires rication ly actuated, clutch type ca me articulation for maneu and increases side-slope in.) tary sealed in cooled, filte lically operated, multiple	ng capability down to 0 m ard and reverse (6.8L eng ted shift-on-the-go, Even d cooling system with 117- Gear 5 Gear 6 Gear 7 Gear 8	ph; precision mode (prope ines) t-Based Shifting (EBS), inc L/min. (31 gpm) gear pum 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)	lled by front wheels on thing pedal; independe p matic differential lock de drift, positions ade Pro (GP) option

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.





Hydraulics

Type Closed-center, pressure-compensated load-sensing (PCLS), variable-displacement piston pump

Maximum Pump Flow 212 L/min. (56 gpm) 18 961 kPa (2,750 psi) Maximum System Pressure 90 cm³ (5.5 cu. in.) Pump Displacement

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 deq.

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 deq.

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 IV EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II

24 volt Voltage 24 volt 2 Number of Batteries 2 1,400 CCA **Battery Capacity** 1,400 CCA 440 min. 440 min. Reserve Capacity 224 amp-hour 224 amp-hour Amp-Hour Rating

Alternator Rating

130 amp 100 amp Base 130 amp Optional 200 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

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 23 mm (0.89 in.)

Modulus

1445 cm3 (88 cu. in.) Minimum Vertical Section 2245 cm3 (137 cu. in.) Average Vertical Section at Saddle

Draft Frame (drawbar)

Welded box construction machined for flatness with double ball-and-socket pivot connection equipped with quick-change replaceable wear inserts

Welded construction, heat-treated, machined for flatness, equipped with quick-change replaceable wear inserts

Circle Diameter 1524 mm (60 in.) 360 deg. Rotation

Drive Hydraulic motor and worm gear with positive lock

Circle Side Shift (right and left) 787 mm (31 in.)

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

3.66 m (144 in.) (12 ft. 0 in.) Base Length

610 mm (24 in.) Height (measured along arc, including cutting edge) Thickness 22 mm (0.88 in.)

Cutting Edge

Dura-Max™ through-hardened steel edge

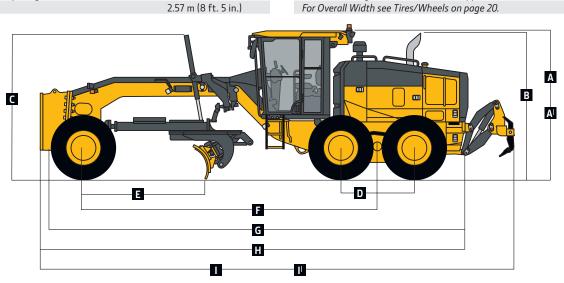
Thickness 16 mm (0.62 in.) Width 152 mm (6 in.)

672G/GP

Scarifiers	672G/GP		
	Front		Mid-mount
Туре	V-type toolbar with manual 2-pitch	positions and	Radial linkage, with NeverGrease™ pin joints; V-type manu
	hydraulic float		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)	23 x 70 mm (1 x 3 m.)		23 x 70 mm (1 x 3 m.)
Parallel linkage, mechanical pins, and hydraul	is float		
Lift	iciloat		
	106 / (72 /- :)		
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	01.5 x 155 11111 (2.42 x 5.25 111.)		25 % 76 11111 (1 % 5 111.)
•	- 4 FORS (ISO 37.40 200E)		
Low-profile cab with ROPS (ISO 3471-2008) a Tires/Wheels	na FOP3 (ISO 3449-2005)		
Tires/ wheels	1/ 02/ 25/ /10 / 10/		175025 256 /1/ i l.D.
	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 Final Tier 4/EU Stage IV		ge IIIA and EPA Tier 2/EU Stage II
Refill Capacities	9.0L engine	9.0L engine	6.8L engine
Fuel Tank	416.5 L (110 gal.)	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.)	44 L (11.6 gal.)
Engine Oil with Filter	28.4 L (7.5 gal.)	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.)	28.4 L (7.5 gal.)
Differential Housing	38.0 L (10 gal.)	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.)	74.0 L (19.5 gal.)
Circle Gearbox	5.7 L (1.5 gal.)	5.7 L (1.5 gal.)	5.7 L (1.5 gal.)
	60.5 L (16 gal.)	53.0 L (14 gal.)	-
Hydraulic Reservoir	60.5 L (16 gal.)	55.0 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 $\frac{1}{2}$ in.) Cutting			
Edges, 14R24 L2 Tires, and 79-kg 175 lb.)			
Operator	EPA Final Tier 4/EU Stage IV		EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II
Front	4821 kg (10,629 lb.)		4826 kg (10,640 lb.)
Rear	12 295 kg (27,106 lb.)		11 814 kg (26,045 lb.)
Total	17 116 kg (37,734 lb.)		16 640 kg (36,685 lb.)
Typical Operating Weight with Front Push	J		5
Block, Rear Ripper/Scarifier, and Other			
Equipment	6001 kg (12 220 lL)		E070 (~ (12162 lb.)
Front	6001 kg (13,230 lb.)		5970 kg (13,162 lb.)
Rear	13 975 kg (30,810 lb.)		13 330 kg (29,388 lb.)
	10.076 1//.0/.0 1		10 200 kg (//2 EEO lb)
Total Maximum Operating Weight	19 976 kg (44,040 lb.) 24 948 kg (55,000 lb.)		19 300 kg (42,550 lb.) 24 948 kg (55,000 lb.)

Ontion Weight	•	672G/GP
Option Weight Moldboards wi	th Through-Hardened Dura-Max	0/20/07
Cutting Edge	in Through-Hardened Dura-Max	
	mm x 22 mm (12 ft. x 24 in. x % in.)	0 kg (0 lb.)
	1×16 -mm (6 in. 1×16 in.) cutting edge	5 kg (5 i2i,
	% in.) hardware	
3.66 m x 610	mm x 22 mm (12 ft. x 24 in. x % in.)	45 kg (99 lb.)
with 203-mr	n x 19-mm (8 in. x ¾ in.) cutting edge	3
and 16-mm (⅓ in.) hardware	
	5 mm x 25 mm (12 ft. x 27 in. x 1 in.)	126 kg (277 lb.)
	m x 19-mm (8 in. x ¾ in.) cutting edge	
	% in.) hardware	
	5 mm x 25 mm (13 ft. x 27 in. x 1 in.)	180 kg (396 lb.)
	m x 19-mm (8 in. x ¾ in.) cutting edge	
	% in.) hardware	10E ka (221 lb.)
	mm x 22 mm (14 ft. x 24 in. x $\frac{7}{8}$ in.) a x 16-mm (6 in. x $\frac{7}{8}$ in.) cutting edge	105 kg (231 lb.)
	⅓ in.) hardware	
	mm x 22 mm (14 ft. x 24 in. x % in.)	157.4 kg (347 lb.)
	n x 19-mm (8 in. x $\frac{3}{4}$ in.) cutting edge	,
	⅓ in.) hardware	
4.27 m x 686	5 mm x 25 mm (14 ft. x 27 in. x 1 in.)	251 kg (554 lb.)
with 203-mr	m x 19-mm (8 in. x $\frac{3}{4}$ in.) cutting edge	
	⅓ in.) hardware	
	5 mm x 25 mm (14 ft. x 27 in. x 1 in.)	261 kg (575 lb.)
	n x 19-mm (8 in. x ¾ in.) cutting edge	
	¾ in.) hardware	
	0 mm (2 ft.) (right or left) 1610-mm (24 in.) Moldboards	116 kg (255 lb.)
	686-mm (27 in.) Moldboards	120 kg (265 lb.)
	ts, Reversible (one pair)	120 kg (203 lb.)
,	(6 in.) Cutting Edge	19.5 kg (43 lb.)
	(8 in.) Cutting Edge	23 kg (51 lb.)
	ual-Input Circle-Drive Gearbox	14 kg (31 lb.)
Circle-Drive Sli		9 kg (20 lb.)
	pact-Absorption System	43 kg (95 lb.)
	r, Rear Mounted with Hitch and Ripper	1139 kg (2,510 lb.)
Shanks (3)	11	3 · · · ·
Scarifier Shank	s with Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
Ripper Shanks		63 kg (139 lb.)
Machine Dime	nsions	
A Height to T	op of Cab	3.18 m (10 ft. 5 in.)
	op of Full-Height Cab	3.40 m (11 ft. 2 in.)
	op of Exhaust	3.10 m (10 ft. 2 in.)
_	op of Blade-Lift Cylinders	3.05 m (10 ft. 0 in.)
D Tandem Axl	e 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	7 05 kg (1,002 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, G2/L2 Show 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 kg (0 lb.)
356 mm x 635 mm (14 in. x 25 in.)	85.3 kg (188 lb.)
Fenders	נום אע ניכס אין אין כיככ
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	14 kg (31 lb.)
Tier 3/Stage IIIA and Tier 2/Stage II engines only)	J ,
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)	g (,
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 IV	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	157 kW (210 hp)	153 kW (205 hp)	153 kW (205 hp)
Gear 2	168 kW (225 hp)	164 kW (220 hp)	164 kW (220 hp)
Gear 3	179 kW (240 hp)	175 kW (235 hp)	175 kW (235 hp)
Gear 4	187 kW (250 hp)	183 kW (245 hp)	183 kW (245 hp)
Gear 5	190 kW (255 hp)	187 kW (250 hp)	187 kW (250 hp)
Gear 6	198 kW (265 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	198 kW (265 hp)*	194 kW (260 hp)*	194 kW (260 hp)*
Net Peak Torque	1375 Nm (1,014 lbft.)	1300 Nm (959 lbft.)	1300 Nm (959 lbft.)
	55%	57%	57%
Net Torque Rise			
Aspiration	Series turbocharged, charge-air cooled	Turbocharged, charge-air cooled	Turbocharged, charge-air cooled
Lubrication	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral cooler	Full-flow spin-on filter and integral coole
Air Cleaner with Restriction Indicator *6WD not available.	Dual element, dry	Dual element, dry	Dual element, dry
Cooling	27 d C/ 2/ d E/		
Engine Coolant, Extended Life, Rating	–57 ueg. C (–34 aeg. F)		
Powertrain			
6-Wheel Drive	systems with variable-displacement pump	creases tractive effort and front-end conti is, axial-piston wheel motors, and freewhee and inching capability down to 0 mph; preci	l at transport speeds; operator-selectabl
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 cm³ (3.7 cu. in.)		
Final Reduction	38.7:1		
Transmission	Direct-drive John Deere PowerShift Plus™,	, modulated shift-on-the-go, Event-Based S ation and cooling system with 117-L/min. (3	
Gears	transmission reservoir with separate mite	ation and cooming system with it? Erinin. (5	Typin, gear pamp
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 3 Gear 4	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph)		
Gear 3 Gear 4 Gear 5	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 16.4 km/h (10.2 mph)		
Gear 3 Gear 4	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)		
Gear 3 Gear 4 Gear 5	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 16.4 km/h (10.2 mph)		
Gear 3 Gear 4 Gear 5 Gear 6	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 16.4 km/h (10.2 mph) 23.2 km/h (14.4 mph)		
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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)		
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7 Gear 8	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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) Heavy-duty welded fabrication		
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7 Gear 8 Front Axle Oscillation (total)	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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) Heavy-duty welded fabrication 32 deg.		
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7 Gear 8 Front Axle Oscillation (total) Wheel Lean Angle (each direction)	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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) Heavy-duty welded fabrication 32 deg. 20 deg.	n tyne can he annlied on-the-go: selectable	e manual or automatic differential lock
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7 Gear 8 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutcl	n type can be applied on-the-go; selectabl r maneuverability and productivity; crab st de-slope stability: return-to-straight contr	eering reduces side drift, positions
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7 Gear 8 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutcl		eering reduces side drift, positions
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7 Gear 8 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation)	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch All-hydraulic power-frame articulation fo tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.)	r maneuverability and productivity; crab st	eering reduces side drift, positions
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7 Gear 8 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)	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutcl All-hydraulic power-frame articulation fo tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.)	r maneuverability and productivity; crab st de-slope stability; return-to-straight contr	eering reduces side drift, positions
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7 Gear 8 Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation)	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutcl All-hydraulic power-frame articulation fo tandems on firm ground, and increases si 7.21 m (284 in.) (23 ft. 8 in.) 22 deg. Inboard-mounted planetary sealed in coo	r maneuverability and productivity; crab st de-slope stability; return-to-straight contr led, filtered oil nultiple wet-disc brakes sealed in pressuriz	eering reduces side drift, positions ol included in Grade Pro (GP) option
Gear 3 Gear 4 Gear 5 Gear 6 Gear 7 Gear 8 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	7.7 km/h (4.8 mph) 10.9 km/h (6.8 mph) 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) Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutcl All-hydraulic power-frame articulation fo 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, in systems effective on all 4 tandem wheels	r maneuverability and productivity; crab st de-slope stability; return-to-straight contr led, filtered oil nultiple wet-disc brakes sealed in pressuriz	eering reduces side drift, positions rol included in Grade Pro (GP) option ed, cooled, filtered oil; both independen

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.





Hydraulics 772G/GP

Type Closed-center, pressure-compensated load-sensing (PCLS), variable-displacement piston pump

Maximum Pump Flow212 L/min. (56 gpm)Maximum System Pressure18 961 kPa (2,750 psi)Pump Displacement90 cm³ (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.)

90 deq.

Bank Cut Angle (right or left)

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 IV 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 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 cm³ (108 cu. in.)
Average Vertical Section at Saddle 2245 cm³ (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.)

Moldhoard

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)
Thickness 22 mm (0.88 in.)

Cutting Edge

Dura-Max™ through-hardened steel edge

 Thickness
 16 mm (0.62 in.)

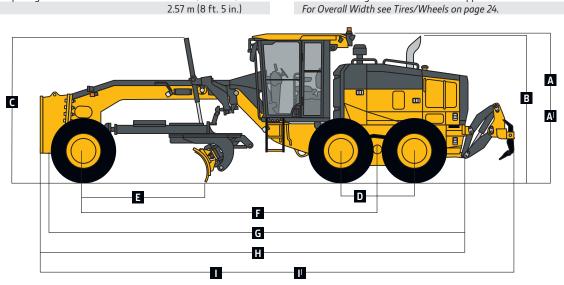
 Width
 152 mm (6 in.)

772G/GP

Scarifiers	772G/GP			
	Front		Mid-mount	
Туре	V-type toolbar with manual 2-pitch po	ositions and		n NeverGrease™ pin joints; V-type manı
	hydraulic float		3-pitch positions a	
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)		1.19 m (46.7 in.) (3 f	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 ir	1)
Front Lift Group (Balderson-style)	25 X 76 IIIII (1 X 5 III.)		23 % 70 111111 (1 % 3 11	1.)
Parallel linkage, mechanical pins, and hydrauli 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, l			_	
	Ripper		Scarifier	
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)		2.18 m (86 in.) (7 f	
Number of Shanks/Teeth	3 (maximum capacity 5)		None standard (ma	aximum capacity 9)
Lift Above Ground	602 mm (23.7 in.)		810 mm (31.9 in.)	
Maximum Depth	426 mm (16.8 in.)		323 mm (12.7 in.)	
Force 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 ir	,)
Operator Station	01.5 x 155 11111 (2.42 x 5.25 111.)		23 % 70 111111 (1 % 3 11	1.7
•	- 4 FORS (ISO 27/40 200F)			
Low-profile cab with ROPS (ISO 3471-2008) at	nd FUPS (ISU 3449-2005)			
Tires/Wheels	1/ D2/ 25/ /10 : . D:	175025 256	/1/ : . l D:	FF0 (CFD2F / 22 / 17 : - D: -
	14R24 on 254-mm (10 in.) Rim	17.5R25 on 356-mm	1 (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 Final Tier 4/EU Stage IV		EPA Tier 3/EU Stag	ge IIIA and EPA Tier 2/EU Stage II
Fuel Tank	416.5 L (110 gal.)		416.5 L (110 gal.)	
Diesel Exhaust Fluid (DEF) Tank	22.5 L (6 gal.)		_	
			(051/320 1)	
Cooling System	55.0 L (14.5 gal.)		48.5 L (12.8 gal.)	
	55.0 L (14.5 gal.) 28.4 L (7.5 gal.)			
Engine Oil with Filter	28.4 L (7.5 gal.)		27.0 L (7.1 gal.)	
Engine Oil with Filter Transmission Fluid	28.4 L (7.5 gal.) 28.4 L (7.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.)	
Engine Oil with Filter Transmission Fluid Differential Housing	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.)	
Engine Oil with Filter Transmission Fluid Differential Housing Tandem Housings (each)	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)	
Engine Oil with Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
Engine Oil with Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.)	
Engine Oil with Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
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	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
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.) Moldboards	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
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.) Moldboards	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
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.) Moldboards with 152-mm x 16-mm (6 in. x 5 in.) Cutting	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)	
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.) Moldboards with 152-mm x 16-mm (6 in. x 5 in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.)	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.)		27.0 L (7.1 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 53.0 L (14 gal.)	ge IIIA and EPA Tier 2/EU Stage II
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.) Moldboards with 152-mm x 16-mm (6 in. x 5% in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.)	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.)		27.0 L (7.1 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.)	
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.) Moldboards with 152-mm x 16-mm (6 in. x 5 in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.)		27.0 L (7.1 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.) EPA Tier 3/EU Stag 4930 kg (10,869 lb)
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.) Moldboards with 152-mm x 16-mm (6 in. x 5 in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 4921 kg (10,849 lb.) 12 581 kg (27,736 lb.)		27.0 L (7.1 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.) EPA Tier 3/EU Stag 4930 kg (10,869 lb 11 937 kg (26,317 lb	.) .)
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.) Moldboards with 152-mm x 16-mm (6 in. x ¾ in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total Typical Operating Weight with Front Push	28.4 L (7.5 gal.) 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.)		27.0 L (7.1 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.) EPA Tier 3/EU Stag 4930 kg (10,869 lb	.) .)
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.) Moldboards with 152-mm x 16-mm (6 in. x ¾ in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other	28.4 L (7.5 gal.) 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 IV 4921 kg (10,849 lb.) 12 581 kg (27,736 lb.)		27.0 L (7.1 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.) EPA Tier 3/EU Stag 4930 kg (10,869 lb 11 937 kg (26,317 lb	.) .)
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.) Moldboards with 152-mm x 16-mm (6 in. x ¾ in.) Cutting Edges, 14R24 L2 Tires, and 79-kg (175 lb.) Operator Front Rear Total Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment	28.4 L (7.5 gal.) 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 IV 4921 kg (10,849 lb.) 12 581 kg (27,736 lb.) 17 502 kg (38,585 lb.)		27.0 L (7.1 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.) EPA Tier 3/EU Stag 4930 kg (10,869 lb 11 937 kg (26,317 lb 16 867 kg (37,185 lb	.) .)
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.) Moldboards 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	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 4921 kg (10,849 lb.) 12 581 kg (27,736 lb.) 17 502 kg (38,585 lb.)		27.0 L (7.1 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.) EPA Tier 3/EU Stag 4930 kg (10,869 lb 11 937 kg (26,317 lb 16 867 kg (37,185 lb	.) .))
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.) Moldboards 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 Rear	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 4921 kg (10,849 lb.) 12 581 kg (27,736 lb.) 17 502 kg (38,585 lb.)		27.0 L (7.1 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.) EPA Tier 3/EU Stag 4930 kg (10,869 lb 11 937 kg (26,317 lb 16 867 kg (37,185 lb 6177 kg (13,618 lb.) 13 427 kg (29,602 ll	o.)
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.) Moldboards 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	28.4 L (7.5 gal.) 28.4 L (7.5 gal.) 38.0 L (10 gal.) 74.0 L (19.5 gal.) 5.7 L (1.5 gal.) 60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 4921 kg (10,849 lb.) 12 581 kg (27,736 lb.) 17 502 kg (38,585 lb.)		27.0 L (7.1 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.) EPA Tier 3/EU Stag 4930 kg (10,869 lb 11 937 kg (26,317 lb 16 867 kg (37,185 lb	o.) lb.)

	tion Weights	772G/GP
	oldboards with Through-Hardened Dura-Max	
	tting Edge	01 (011)
	3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x % in.)	0 kg (0 lb.)
	with 152-mm x 16-mm (6 in. x ¾ in.) cutting edge and 16-mm (¾ in.) hardware	
	3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x ¾ in.)	45 kg (99 lb.)
	with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge	45 kg (55 lb.)
	and 16-mm (% in.) hardware	
	3.66 m x 686 mm x 25 mm (12 ft. x 27 in. x 1 in.)	126 kg (277 lb.)
	with 203-mm x 19-mm (8 in. x $\frac{3}{4}$ in.) cutting edge	,
	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 $\frac{3}{4}$ in.) cutting edge	
	and 16-mm (% in.) hardware	
	4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x % in.)	105 kg (231 lb.)
	with 152-mm x 16-mm (6 in. x % in.) cutting edge	
	and 16-mm (% in.) hardware 4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x % in.)	157.4 kg (347 lb.)
	with 203-mm x 19-mm (8 in. x 34 in.) cutting edge	137.4 kg (347 lb.)
	and 16-mm (% in.) hardware	
	4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	251 kg (554 lb.)
	with 203-mm x 19-mm (8 in. $x \frac{3}{4}$ in.) cutting edge	3 · · ·
	and 16-mm (½ 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 ¾ in.) cutting edge	
	and 19-mm (¾ in.) hardware	
	tensions, 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.)
	rerlay End Bits, Reversible (one pair)	120 kg (203 lb.)
	For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)
	For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)
	avy-Duty Dual-Input Circle-Drive Gearbox	14 kg (31 lb.)
	cle-Drive Slip Clutch	9 kg (20 lb.)
Mo	oldboard Impact-Absorption System	43 kg (95 lb.)
	pper/Scarifier, Rear Mounted with Hitch and Ripper	1139 kg (2,510 lb.)
	anks (3)	
	arifier Shanks with Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
	oper Shanks and Teeth (2)	63 kg (139 lb.)
	ar Counterweight with Integral Rear Hitch	727 kg (1,603 lb.)
	Achine Dimensions	3.18 m (10 ft. 5 in.)
A	Height to Top of Cab 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.)
	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.)

Out William I	773 <i>C</i> (CD
Option Weights (continued)	772G/GP
Rear Hitch	54.4 kg (120 lb.)
Push Block, Front	1338 kg (2,950 lb.)
Scarifier	(2.000 !!)
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	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.)
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.)
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.)
F . O	







Engine Manufacturer and Model	872G/GP 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 IV	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.)							
Net Engine Power	3.02 (3 to ca. III.)	9.0L (548 cu. in.)	3.02 (3 10 cd. m.,						
Gear 1	175 kW (235 hp)	168 kW (225 hp)	168 kW (225 hp)						
Gear 2	186 kW (250 hp)	179 kW (240 hp)	179 kW (240 hp)						
Gear 3	198 kW (265 hp)	190 kW (255 hp)	190 kW (255 hp)						
Gear 4									
Gear 5	205 kW (275 hp) 198 kW (265 hp) 198 kW (265 hp)								
	209 kW (280 hp) 201 kW (270 hp) 201 kW (270 hp) 209 kW (280 hp) 209 kW (280 hp) 209 kW (280 hp) 209 kW (280 hp)								
Gear 6									
Gear 7	224 kW (300 hp)	209 kW (280 hp)	209 kW (280 hp)						
Gear 8	216 kW (290 hp)*	209 kW (280 hp)*	209 kW (280 hp)*						
Net Peak Torque	1459 Nm (1,076 lbft.)	1329 Nm (980 lbft.)	1329 Nm (980 lbft.)						
Net Torque Rise	51%	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 cool						
Air Cleaner with Restriction Indicator *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	5. 55g. 5, 5. 55g. 7								
6-Wheel Drive	systems with variable-displacement pump	creases tractive effort and front-end cont os, axial-piston wheel motors, and freewhee and inching capability down to 0 mph; preci	el at transport speeds; operator-selectab						
Effective Gears	1–7 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 cm³ (3.7 cu. in.)									
Wheel Motors									
Final Reduction 38.7:1									
Transmission	Direct-drive John Deere PowerShift Plus™	, modulated shift-on-the-go, Event-Based ! ation and cooling system with 121-L/min. (3							
Gears	transmission reservoir with separate mits	ation and cooming system with 121-1/11111. (2	oz gpini gear punip						
Forward	8								
Reverse	8								
Maximum Travel Speeds									
	No tire slip at 2,180 rpm, 14.0-R24 tires 3.9 km/h (2.4 mph)								
Gear 1									
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, clutc	h type can be applied on-the-go; selectabl	e manual or automatic differential lock						
Steering (all models include steering wheel)		r maneuverability and productivity; crab st de-slope stability; return-to-straight cont							
Turning Radius (front steer and articulation)	7.21 m (284 in.) (23 ft. 8 in.)	de-stope stability, return-to-straight cont	To meladed in drade 110 (di 7 option						
Articulation (both right and left)	22 deg.								
Final Drives	Inboard-mounted planetary sealed in coo	oled, filtered oil							
Brakes		nultiple wet-disc brakes sealed in pressuriz	red, cooled, filtered oil; both independe						
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							

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Hydraulics

Type Closed-center, pressure-compensated load-sensing (PCLS), variable-displacement piston pump

Maximum Pump Flow 218 L/min. (57.5 gpm) 18 961 kPa (2,750 psi) Maximum System Pressure Pump Displacement 90 cm³ (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 deq.

Shoulder Reach Outside Wheels (frame

straight, right or left)

2329 mm (91.7 in.) (7 ft. 8 in.)

90 deq.

Bank Cut Angle (right or left) **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 IV EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II

24 volt Voltage 24 volt 2 Number of Batteries 2 1,400 CCA **Battery Capacity** 1,400 CCA 440 min. 440 min. Reserve Capacity 224 amp-hour 224 amp-hour Amp-Hour Rating

Alternator Rating

130 amp 100 amp Base 130 amp Optional 200 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

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

1770 cm3 (108 cu. in.) Minimum Vertical Section 2635 cm3 (161 cu. in.) Average Vertical Section at Saddle

Draft Frame (drawbar)

Welded box construction machined for flatness with double ball-and-socket pivot connection equipped with quick-change replaceable wear inserts

Welded construction, heat-treated, machined for flatness, equipped with quick-change replaceable wear inserts

Circle Diameter 1524 mm (60 in.) 360 deg. Rotation

Hydraulic motor and worm gear with positive lock Drive

Circle Side Shift (right and left) 787 mm (31 in.)

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

4.27 m (168 in.) (14 ft. 0 in.) Base Length

Height (measured along arc, including 686 mm (27 in.) cutting edge) 25 mm (1 in.)

Thickness **Cutting Edge**

Dura-Max™ through-hardened steel edge

Thickness 19 mm (0.75 in.) Width 203 mm (8 in.)

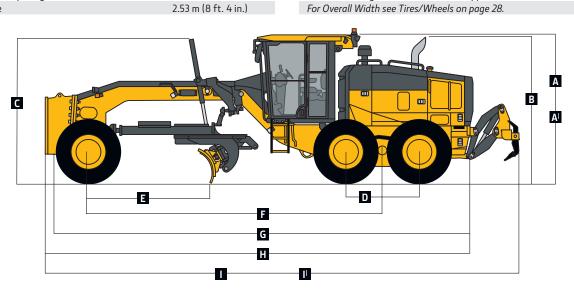
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872G/GP

Scarifiers	872G/GP					
	Front		Mid-mount			
Туре	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 f	t. 11 in.)		
Number of Shanks/Teeth				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						
Parallel linkage, with NeverGrease pin joints,	hydraulic float, and integrated hitch					
J	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 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 ir	1)		
Operator Station	0115 X 155 11111 (21 12 X 5125 1111)		25 % 70 11111 (1 % 5 11	,		
Low-profile cab with ROPS (ISO 3471-2008) a	nd FOPS (ISO 3449-2005)					
Tires/Wheels	110 1 3 (130 3 1 13 2003)					
	14R24 on 254-mm (10 in.) Rim	17.5R25 on 356-mm	(14 in.) Rim	550/65R25 on 432-mm (17 in.) Rir		
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 Final Tier 4/EU Stage IV		EPA Tier 3/EU Stag	e IIIA and EPA Tier 2/EU Stage II		
Fuel Tank	416.5 L (110 gal.)		416.5 L (110 gal.)	3		
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.)		27.0 L (7.1 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						
Hydraulic Reservoir Operating Weights	60.5 L (16 gal.)		53.0 L (14 gal.)			
Operating Weights						
Operating Weights With Full Fuel Tank, 4.27-m x 686-mm x						
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						
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						
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.)	60.5 L (16 gal.)		53.0 L (14 gal.)	e IIIA and FPA Tier 7/FII Stage II		
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	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV		53.0 L (14 gal.) EPA Tier 3/EU Stag	e IIIA and EPA Tier 2/EU Stage II		
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 Front	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 5094 kg (11,230 lb.)		53.0 L (14 gal.) EPA Tier 3/EU Stag 5103 kg (11,250 lb.)			
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 Front Rear	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 5094 kg (11,230 lb.) 12 891 kg (28,420 lb.)		53.0 L (14 gal.) EPA Tier 3/EU Stag 5103 kg (11,250 lb.) 12 242 kg (26,990 l	b.)		
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 Front Rear Total	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 5094 kg (11,230 lb.)		53.0 L (14 gal.) EPA Tier 3/EU Stag 5103 kg (11,250 lb.)	b.)		
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 Front Rear Total Typical Operating Weight with Front Push	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 5094 kg (11,230 lb.) 12 891 kg (28,420 lb.)		53.0 L (14 gal.) EPA Tier 3/EU Stag 5103 kg (11,250 lb.) 12 242 kg (26,990 l	- b.)		
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 Front Rear Total Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 5094 kg (11,230 lb.) 12 891 kg (28,420 lb.)		53.0 L (14 gal.) EPA Tier 3/EU Stag 5103 kg (11,250 lb.) 12 242 kg (26,990 l	- b.)		
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 Front Rear Total Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 5094 kg (11,230 lb.) 12 891 kg (28,420 lb.) 17 985 kg (39,650 lb.)		53.0 L (14 gal.) EPA Tier 3/EU Stag 5103 kg (11,250 lb.) 12 242 kg (26,990 l 17 345 kg (38,240 ll	b.) p.)		
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 Front Rear Total Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 5094 kg (11,230 lb.) 12 891 kg (28,420 lb.) 17 985 kg (39,650 lb.) 6323 kg (13,940 lb.)		53.0 L (14 gal.) EPA Tier 3/EU Stag 5103 kg (11,250 lb.) 12 242 kg (26,990 l 17 345 kg (38,240 ll 6407 kg (14,124 lb.)	b.) ɔ.)		
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 Front Rear Total Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front Rear	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 5094 kg (11,230 lb.) 12 891 kg (28,420 lb.) 17 985 kg (39,650 lb.) 6323 kg (13,940 lb.) 14 864 kg (32,770 lb.)		EPA Tier 3/EU Stag 5103 kg (11,250 lb.) 12 242 kg (26,990 l 17 345 kg (38,240 ll 6407 kg (14,124 lb.) 14 036 kg (30,944 l	b.) p.) b.)		
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 Front Rear Total Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment Front	60.5 L (16 gal.) EPA Final Tier 4/EU Stage IV 5094 kg (11,230 lb.) 12 891 kg (28,420 lb.) 17 985 kg (39,650 lb.) 6323 kg (13,940 lb.)		53.0 L (14 gal.) EPA Tier 3/EU Stag 5103 kg (11,250 lb.) 12 242 kg (26,990 l 17 345 kg (38,240 ll 6407 kg (14,124 lb.)	b.) b.) b.) 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 (% 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 $\frac{1}{2}$ in.) cutting edge and 16-mm ($\frac{1}{2}$ 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 $\frac{1}{2}$ in.) cutting edge and 16-mm ($\frac{1}{2}$ 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. $x \frac{3}{4}$ in.) cutting edge and 19-mm ($\frac{3}{4}$ in.) hardware	9.5 kg (21 lb.)								
$4.88 \text{ m x } 686 \text{ mm x } 25 \text{ mm } (16 \text{ ft. x } 27 \text{ in. x } 1 \text{ in.})$ with 203-mm x 19-mm (8 in. x $\frac{3}{4}$ in.) cutting edge and 19-mm ($\frac{3}{4}$ 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.)								
Al 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	3						
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	10 kg (102 ibi,						
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	13 kg (28 lb.)						
Arm- and Headrests	15 kg (20 15.)						
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	14.5 kg (52 lb.)						
10 Halogen Lights	4.5 kg (10 lb.)						
3 3							
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)	616 m (20 ft 2 in)						
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.)						



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)
	•	•	A	Low-profile ROPS/FOPS cab utilizing laminated glass with fixed lower front and side opening windows
•	•	•	A	Opening front and side windows (standard with Grade Pro)
				Keyless start with multiple security modes
				Fabric air-suspension seat with armrests and headrest
•	•	•	A	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
•	•	•	A	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
A	•	•	A	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)
A	A	A	A	AM/FM radio with Bluetooth®, auxiliary, and WB ready

Push-button-activated cruise control

622	672	772	872	Electrical
	•			100-amp alternator
				130-amp alternator
				200-amp alternator (FT4/Stage IV)
•	•	•	•	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)
		A	A	Tall front snowplow light bar
•	•	•	•	Multifunction/multi-language diagnostic LCD color monitor
				Reverse warning alarm (SAE J994)
		•		LED brake and turn lights
				Moldboard
				$\label{pre-stressed} \textbf{Patented pre-stressed, high strength, wear resistant:}$
				3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x 1/8 in.)
				3.66 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.)
	A	A		4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x % in.)
				4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)
			A	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
A				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
A			A	Reversible overlay endbits

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions specified per ISO9249.

No derating is required up to 3050-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 % 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 772G; and 175 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	622	672	772	872	Front Attachments
				JDLink™ wireless communication system (available					Front push block
				in specific countries; see your dealer for details)					V-type front scarifier with float position, 5 shanks
				Ground-level fuel and diesel exhaust fluid (DEF) filling					Mid-mount scarifier with float position, 11 shanks
				Fluid-sampling ports for engine oil and coolant,					Front Balderson-style lift group with float position
				hydraulic oil, and axle and transmission fluids	A				Front-mounted dozer blades
•				Vandal-protection locking for: Cab doors / Top tank					Rear Attachments
				radiator-access door / Engine coolant surge tank / Hydraulic reservoir cap / Battery-disconnect switch / Ground-level electrical master disconnect switch /	•	•	•	•	Full bottom guard with access panel and side guards for rear vehicle protection
				Fuel-tank door and cap / Toolbox		A	A	A	Rear-mounted ripper/scarifier combination with rear hitch and pin, 3 ripper shanks
				Environmental drains with hoses for engine,	A				Rear counterweight with rear hitch and pin
				transmission, hydraulic, differential fluids, and					Rear hitch and pin
A	•	•	•	engine coolant Hydraulically driven cool-on-demand reversing fan	A	•	A	A	Extra scarifier shanks (9) with teeth for rear ripper scarifier
•	•	•	•	Banked easy-access vertical spin-on filters for hydraulic, transmission, and axle fluids		A	A	A	Extra ripper shanks (2) with teeth for rear ripper/scarifier
	•	•		Engine rotary ejector precleaner					Grade Pro (GP) Option
	•	•	•	Automatic differential lock	•	•	•	•	Low-profile GP cab with opening lower front and
	•	•		Engine-stall prevention and auto shutdown					side windows
	A	A	A	Adjustable rotary engine precleaner (FT4/Stage IV)					Low-profile GP cab utilizing laminated glass with
	A			Heavy-duty air cleaner (FT4/Stage IV)					fixed lower front and side opening windows
	•	•		Single-input circle drive	•				Premium heated, leather/fabric, high-wide-back,
	A	A		Single-input circle drive with slip clutch					air-suspension seat with armrests
	A	A	•	Heavy-duty dual-input circle drive without slip clutch					Dual-joystick controls
A	A	A	A	Heavy-duty dual-input circle drive with slip clutch AutoShift transmission	A	•			Fingertip armrest-mounted controls including steering lever
				Blade-impact-absorption system			•	•	Steering wheel
				Front and/or rear wheel fenders	•				Cross-slope
				Quick-service bank for transmission, hydraulic,					Return to straight
				engine oil, and engine coolant fluid changes					Grade Control
	_	_	_	Secondary steering	A				SmartGrade
				Sound-absorption package (Tier 3/Stage IIIA and					Mast mounts
				Tier 2/Stage II)	A		\blacktriangle	\blacktriangle	Topcon ready available on G and GP models
	A	A	_	Automation					Trimble ready available on G and GP models
				Automation Suite including Auto-Articulation, Blade Flip, and Machine Presets (standard on SmartGrade™ models, optional on GP models)	•	•	A	A	Leica ready available on GP models



Take control with more options

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

