

# 620G MOTOR GRADER

20-Aug-2020

Code	Description	Qty	List Price(USD)
1210DW	620G MOTOR GRADER	1	\$270,564.00
Option Codes			
1145	John Deere PowerTech PSS 6.8L meets EPA FT4 Emissions	1	\$42,420.00
1830	Engine Exhaust W/ Flat Black Stack (FT4 or Stage V only)	1	No Added Cost
1410	Standard Fuel & Water Filtration	1	No Added Cost
1320	No Quick Service Group	1	No Added Cost
1010	Standard Antler Rack Hydraulic Controls	1	No Added Cost
5020	Low Cab w/ Fixed Lower Front and Side Windows	1	No Added Cost
8830	Rear Camera (R4)	1	No Added Cost
8625	With Air Conditioning System	1	\$2,146.00
8210	Exterior Mounted Rearview Mirrors	1	No Added Cost
8420	No Radio	1	No Added Cost
8320	Less Lower Front Window Wiper & Wiper	1	No Added Cost
6030	No Powered Cab Air Precleaner	1	No Added Cost
	Standard Fabric Air Suspension Seat with Armrests and		
6120	Headrest	1	\$449.00
8730	No Sound Absorption Package	1	No Added Cost
6510	Base Hydraulics - 4 Function Controls	1	No Added Cost
6610	Base Hydraulics- 4 Function Controls	1	No Added Cost
8510	Air Conditioner Refrigerant Charged	1	No Added Cost
5815	Hydrau	1	No Added Cost
1610	Hydraulic Pump Disconnect	1	\$188.00
7620	Non-Reversing Fan	1	No Added Cost
170C	JDLink Ultimate - 5 Year Subscription	1	No Added Cost
1920	No Blade Impact Absorption System	1	No Added Cost
	12 Ft. x 24 In. x 7/8 In. (3.66M x 610mm x 22mm) w/ 6 In. x		
	5/8 In. (152 x 16mm) Cutting Edge & 5/8 in. (16mm)		
2010	Hardware	1	No Added Cost
2810	Single Input Gearbox without Slip Clutch	1	No Added Cost
1235	130 amp Alternator	1	\$412.00
7110	Transporting Lights (6 Halogen Lights)	1	No Added Cost
7525	1400CCA Batteries	1	\$576.00
	24-to-12 Volt Converter (15 amps peak / 10 amps		
8110	continuous)	1	No Added Cost
6750	Less Front Attachment	1	No Added Cost

<b>6830</b>	<b>Rear Hitch and Pin</b>	<b>1</b>	<b>\$511.00</b>
<b>5520</b>	<b>Manual Shift Transmission (no Autoshift)</b>	<b>1</b>	<b>No Added Cost</b>
<b>5710</b>	<b>Transmission Solenoid Valve Guard</b>	<b>1</b>	<b>\$213.00</b>
<b>4315</b>	<b>Firestone SGG</b>	<b>1</b>	<b>\$16,252.00</b>
<b>7820</b>	<b>No Front Fenders</b>	<b>1</b>	<b>No Added Cost</b>
<b>2605</b>	<b>English Manual W/ English Labels &amp; Decals</b>	<b>1</b>	<b>No Added Cost</b>
<b>2575</b>	<b>No Grade Control Base Kit Installed</b>	<b>1</b>	<b>No Added Cost</b>
<b>2775</b>	<b>No Topcon 3D GPS Grade Control System installed</b>	<b>1</b>	<b>No Added Cost</b>
<b>2920</b>	<b>No Mast Mount</b>	<b>1</b>	<b>No Added Cost</b>

**Total** **\$333,731.00**

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



# 620G / GP SPECIFICATIONS

Engine	620G/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	112 kW (150 hp)	108 kW (145 hp)	108 kW (145 hp)
Gear 2	123 kW (165 hp)	116 kW (155 hp)	119 kW (160 hp)
Gear 3	134 kW (180 hp)	127 kW (170 hp)	131 kW (175 hp)
Gear 4	142 kW (190 hp)	134 kW (180 hp)	134 kW (180 hp)
Gear 5	149 kW (200 hp)	142 kW (190 hp)	138 kW (185 hp)
Gear 6	153 kW (205 hp)	146 kW (195 hp)	138 kW (185 hp)
Gear 7	157 kW (210 hp)	149 kW (200 hp)	138 kW (185 hp)
Gear 8	160 kW (215 hp)	149 kW (200 hp)	138 kW (185 hp)
Net Peak Torque	1005 Nm (741 lb.-ft.)	915 Nm (675 lb.-ft.)	831 Nm (613 lb.-ft.)
Net Torque Rise	49%	46%	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 cooler
Air Cleaner with Restriction Indicator	Dual element, dry	Dual element, dry	Dual element, dry
<b>Cooling</b>			
Engine Coolant, Extended Life, Rating	-37 deg. C (-34 deg. F)		
<b>Powertrain</b>			
<b>Transmission</b>	Direct-drive John Deere PowerShift Plus™, modulated shift-on-the-go, Event-Based Shifting (EBS), inching pedal; independent transmission reservoir with separate filtration and cooling system with 117-L/min. (31 gpm) gear pump		
Gears			
Forward	8		
Reverse	8		
<b>Maximum Travel Speeds</b>	<i>No tire slip at 2,180 rpm, 14.0-R24 tires</i>		
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)		
<b>Front Axle</b>	Heavy-duty welded fabrication		
Oscillation (total)	32 deg.		
Wheel Lean Angle (each direction)	20 deg.		
<b>Differentials</b>	Spiral bevel; hydraulically actuated, clutch type can be applied on-the-go; selectable manual or automatic differential lock		
<b>Steering (all models include steering wheel)</b>	All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side-slope stability; return-to-straight control included in Grade Pro (GP) option		
Turning Radius (front steer and articulation)	7.21 m (284 in.) (23 ft. 8 in.)		
Articulation (both right and left)	22 deg.		
<b>Final Drives</b>	Inboard-mounted planetary sealed in cooled, filtered oil		
<b>Brakes</b>	Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in pressurized, cooled, filtered oil; both independent systems effective on all 4 tandem wheels		
Primary and Secondary Brakes	Hydraulically actuated, inboard of tandem pivot, self-adjusting, sealed in cooled and filtered oil, multi-disc (ISO 3450)		
Parking Brake	Automatically spring applied, hydraulically released, oil cooled, self-adjusting (ISO 3450)		
<b>Hydraulics</b>			
Type	Closed-center, pressure-compensated load-sensing (PCLS), variable-displacement piston pump		
Maximum Pump Flow	212 L/min. (56 gpm)		
Maximum System Pressure	18 961 kPa (2,750 psi)		
Pump Displacement	90 cm³ (5.5 cu. in.)		

# 620G / GP SPECIFICATIONS

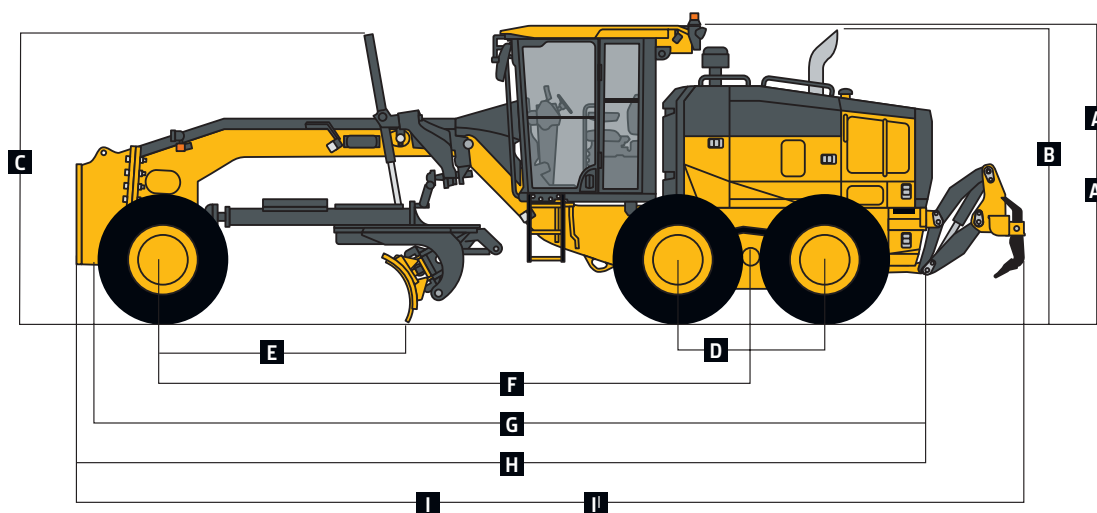


Blade Function		620G/GP	
All-hydraulic, industry-standard lever placement of blade-function controls; includes float position; 7 discrete saddle positions			
Blade Range			
Lift Above Ground	490 mm (19.3 in.)		
Blade Side Shift (right or left)	683 mm (26.9 in.)		
Pitch at Ground Line			
Forward	42 deg.		
Back	5 deg.		
Shoulder Reach Outside Wheels (frame straight, right or left)	2083 mm (82.0 in.) (6 ft. 10 in.)		
Bank Cut Angle (right or left)	90 deg.		
Blade Pull			
At Maximum Operating Weight	14 091 kg (31,066 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		950 CCA
Reserve Capacity	440 min.		190 min.
Amp-Hour Rating	224 amp-hour		110 amp-hour
Alternator Rating			
Base	130 amp		100 amp
Optional	200 amp		130 amp
Lights	Driving lights; 2 high- and 2 low-beam halogen headlights; front and rear LED turn signals and marker lights; LED brake and hazard warning lights		
Mainframe			
Type	Welded box construction		
Width (minimum)	307 mm (12.1 in.)		
Height (minimum)	307 mm (12.1 in.)		
Thickness			
Side	16 mm (0.63 in.)		
Top and Bottom Plate	23 mm (0.89 in.)		
Modulus			
Minimum Vertical Section	1445 cm³ (88 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.)		
Moldboard			
High-strength, pre-stressed for higher strength; wear-resistant, high-carbon steel and reversible end bits; blade side-shift wear system includes quick-change replaceable wear inserts and quick-adjust jackscrew system			
Base Length	3.66 m (144 in.) (12 ft. 0 in.)		
Height (measured along arc, including cutting edge)	610 mm (24 in.)		
Thickness	22 mm (0.88 in.)		
Cutting Edge			
Dura-Max™ through-hardened steel edge			
Thickness	16 mm (0.62 in.)		
Width	152 mm (6 in.)		

Scarifiers		620G/GP	
		Front	Mid-mount
Type		V-type toolbar with manual 2-pitch positions and hydraulic float	Radial linkage, with NeverGrease™ pin joints; V-type manual 3-pitch positions and hydraulic float
Width of Cut		1.20 m (48 in.) (4 ft. 0 in.)	1.19 m (46.7 in.) (3 ft. 11 in.)
Number of Shanks/Teeth		5 (maximum capacity 9)	11
Lift Above Ground		589 mm (23.2 in.)	335 mm (13.2 in.)
Maximum Depth		335 mm (13.2 in.)	325 mm (12.8 in.)
Shank			
Spacing		146 mm (5.75 in.)	117 mm (4.6 in.)
Size		25 x 76 mm (1 x 3 in.)	25 x 76 mm (1 x 3 in.)
Front Lift Group (Balderson-style)			
Parallel linkage, mechanical pins, and hydraulic float			
Lift			
Above Ground (top of tube)		1864 mm (73.4 in.)	
Range		988 mm (38.9 in.)	
Rear Ripper/Scarifier			
Parallel linkage, with NeverGrease pin joints, hydraulic float, and integrated hitch			
		Ripper	Scarifier
Width of Cut		2.21 m (87.2 in.) (7 ft. 3 in.)	2.18 m (86 in.) (7 ft. 2 in.)
Number of Shanks/Teeth		3 (maximum capacity 5)	None standard (maximum capacity 9)
Lift Above Ground		602 mm (23.7 in.)	810 mm (31.9 in.)
Maximum Depth		426 mm (16.8 in.)	323 mm (12.7 in.)
Force at Typical FT4 Weight			
Penetration		9296 kg (20,494 lb.)	—
Pry-Out		11 222 kg (24,740 lb.)	—
Shank Size		61.5 x 133 mm (2.42 x 5.25 in.)	25 x 76 mm (1 x 3 in.)
Operator Station			
Low-profile cab with ROPS (ISO 3471-2008) and FOPS (ISO 3449-2005)			
Tires/Wheels			
	13x24 on 254-mm (10 in.) Rim	14R24 on 254-mm (10 in.) Rim	17.5R25 on 356-mm (14 in.) Rim
Wheel Tread on Ground	2.08 m (82 in.)	2.08 m (82.0 in.)	2.16 m (85.0 in.)
Overall Width	2.49 m (98 in.)	2.49 m (98.0 in.)	2.64 m (104.0 in.)
Ground Clearance (front axle)	557 mm (21.9 in.)	587 mm (23.1 in.)	587 mm (23.1 in.)
Serviceability			
Refill Capacities	EPA Final Tier 4/EU Stage IV	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II	
Fuel Tank	416.5 L (110 gal.)	303 L (80 gal.)	
Diesel Exhaust Fluid (DEF) Tank	22.5 L (6 gal.)	—	
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.)	
Operating Weights			
With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboard with 152-mm x 16-mm (6 in. x 5/8 in.) Cutting Edges, 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	4178 kg (9,210 lb.)	4207 kg (9,275 lb.)	
Rear	11 567 kg (25,500 lb.)	10 671 kg (23,525 lb.)	
Total	15 744 kg (34,710 lb.)	14 878 kg (32,800 lb.)	
Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment			
Front	4926 kg (10,860 lb.)	5080 kg (11,200 lb.)	
Rear	13 376 kg (29,490 lb.)	12 428 kg (27,400 lb.)	
Total	18 302 kg (40,350 lb.)	17 509 kg (38,600 lb.)	
Maximum Operating Weight	22 680 kg (50,000 lb.)	22 680 kg (50,000 lb.)	
*With 14R24 L2 tires. / †With 13-24 Bias L2 tires.			

Option Weights	620G/GP
<b>Moldboards with Through-Hardened Dura-Max Cutting Edge</b>	
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x $\frac{7}{8}$ in.) with 152-mm x 16-mm (6 in. x $\frac{5}{8}$ in.) cutting edge and 16-mm ( $\frac{5}{8}$ in.) hardware	0 kg (0 lb.)
3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x $\frac{7}{8}$ in.) with 203-mm x 19-mm (8 in. x $\frac{3}{4}$ in.) cutting edge and 16-mm ( $\frac{5}{8}$ in.) hardware	45 kg (99 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x $\frac{7}{8}$ in.) with 152-mm x 16-mm (6 in. x $\frac{5}{8}$ in.) cutting edge and 16-mm ( $\frac{5}{8}$ in.) hardware	105 kg (231 lb.)
4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x $\frac{7}{8}$ in.) with 203-mm x 19-mm (8 in. x $\frac{3}{4}$ in.) cutting edge and 16-mm ( $\frac{5}{8}$ in.) hardware	157.4 kg (347 lb.)
<b>Extensions, 610 mm (2 ft.) (right or left)</b>	
For Use with 610-mm (24 in.) Moldboards	116 kg (255 lb.)
<b>Overlay End Bits, Reversible (one pair)</b>	
For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)
For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)
Circle-Drive Slip Clutch	9 kg (20 lb.)
Moldboard Impact-Absorption System	43 kg (95 lb.)
Ripper, 3 Shank, No Scarifier	1052 kg (2,319 lb.)
Ripper/Scarifier, Rear Mounted with Hitch and Ripper Shanks (3)	1139 kg (2,510 lb.)
Scarifier Shanks with Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)
Rear Counterweight with Integral Rear Hitch	727 kg (1,603 lb.)
Rear Hitch	54.4 kg (120 lb.)
Push Block, Front	907 kg (2,000 lb.)
<b>Scarifier</b>	
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.)
<b>Tires</b>	
13.00-24, 12 PR G2	-79 kg (-174 lb.)
<b>Machine Dimensions</b>	
<b>A</b> Height to Top of Cab	3.18 m (10 ft. 5 in.)
<b>A'</b> Height to Top of Full-Height Cab	3.40 m (11 ft. 2 in.)
<b>B</b> Height to Top of Exhaust	3.10 m (10 ft. 2 in.)
<b>C</b> Height to Top of Blade-Lift Cylinders	3.05 m (10 ft. 0 in.)
<b>D</b> Tandem Axle Spacing	1.54 m (5 ft. 1 in.)
<b>E</b> Blade Base	2.57 m (8 ft. 5 in.)

Option Weights (continued)	620G/GP
<b>Tires (continued)</b>	
14.00-24, 12 PR G2	0 kg (0 lb.)
17.5-25, 12 PR G2/L2	114 kg (252 lb.)
14.00-R24, Radial, G2/L2 General Purpose	220 kg (486 lb.)
14.00-R24, Radial, G2/L2 Snow	261 kg (576 lb.)
17.5-R25, Radial, L2 General Purpose	272 kg (600 lb.)
17.5-R25, Radial, G2/L2 Snow	316 kg (696 lb.)
17.5-R25, Radial, G3/L3 General Purpose	362 kg (798 lb.)
<b>1-Piece Rims</b>	
229 mm x 610 mm (9 in. x 24 in.)	0 kg (0 lb.)
330 mm x 635 mm (13 in. x 25 in.)	65 kg (144 lb.)
<b>Multi-Piece Rims</b>	
254 mm x 610 mm (10 in. x 24 in.)	180 kg (396 lb.)
356 mm x 635 mm (14 in. x 25 in.)	267 kg (588 lb.)
<b>Fenders</b>	
Front	77 kg (169 lb.)
Rear	141 kg (310 lb.)
Low Cab with Opening Front and Side Windows	14.5 kg (32 lb.)
Premium Air-Suspension, Heated Seat with Adjustable Arm- and Headrests	13 kg (28 lb.)
Coolant Heater	4 kg (9 lb.)
Quick Service	11 kg (24 lb.)
Sound-Absorption Package (machines equipped with Tier 3/Stage IIIA and Tier 2/Stage II engines only)	14 kg (31 lb.)
Secondary Steering	26 kg (58 lb.)
Beacon Bracket	8 kg (18 lb.)
Fire Extinguisher	14.5 kg (32 lb.)
<b>Lighting Packages</b>	
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.)
<b>Machine Dimensions (continued)</b>	
<b>F</b> Wheelbase	6.16 m (20 ft. 3 in.)
<b>G</b> Overall Length	8.89 m (29 ft. 2 in.)
<b>H</b> Overall Length with Scarifier	9.69 m (31 ft. 9 in.)
<b>I</b> Overall Length with Push Block and Ripper	9.99 m (32 ft. 9 in.)
<b>I'</b> Overall Length with Scarifier and Ripper	10.59 m (34 ft. 9 in.)
<i>For Overall Width see Tires/Wheels on page 16.</i>	



# Additional equipment

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

620	670	770	870	Operator's Station
●	●	●	●	Low-profile ROPS/FOPS cab with HVAC (ROPS ISO 3471 / FOPS SAE 3449 Level II)
▲	▲	▲	▲	Low-profile ROPS/FOPS cab utilizing laminated glass with fixed lower front and side opening windows
▲	▲	▲	▲	Opening front and side windows (standard with Grade Pro)
●	●	●	●	Keyless start with multiple security modes
●	●	●	●	Fabric air-suspension seat with armrests and headrest
▲	▲	▲	▲	Premium heated, leather/fabric, high-wide-back, air-suspension seat with armrests (standard with Grade Pro)
●	●	●	●	Sealed-switch module with function indicators
●	●	●	●	Electric rear-window defroster
●	●	●	●	Upper front windshield washers with intermittent wipers
▲	●	●	●	Upper rear windshield washers with intermittent wipers
▲	▲	▲	▲	Lower front intermittent wiper and washer
▲	▲	▲	▲	Powered cab precleaner
▲	▲	▲	▲	Decelerator pedal
▲	▲	▲	▲	Flip-down, right- and/or left-hand cab beacon with bracket
●	●	●	●	Cab prewired for beacon, radio, and auxiliary circuit
▲	▲	▲	▲	Front window sun visor / retractable rear sunshade
●	●	●	●	Rearview mirrors, exterior (2) (SAE J985)
▲	▲	▲	▲	Heated exterior mirrors (2) (SAE J985)
▲	▲	▲	▲	Fire extinguisher
▲	▲	▲	▲	High-resolution rearview camera with dedicated monitor
●	●	●	●	Retractable seat belt, 76 mm (3 in.) (SAE 386)
▲	▲	▲	▲	AM/FM radio with auxiliary and Weather Band (WB)
▲	▲	▲	▲	AM/FM radio with Bluetooth®, auxiliary, and WB ready
●	●	●	●	Push-button-activated cruise control

620	670	770	870	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)
	▲	▲	▲	Tall front snowplow light bar
●	●	●	●	Multifunction/multi-language diagnostic LCD color monitor
●	●	●	●	Reverse warning alarm (SAE J994)
●	●	●	●	LED brake and turn lights
Moldboard				
Patented pre-stressed, high strength, wear resistant:				
●	●	●		3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x 7/8 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.)
▲	▲	▲		4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x 7/8 in.)
	▲	▲	●	4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)
			▲	4.88 m x 686 mm x 25 mm (16 ft. x 27 in. x 1 in.)
●	●	●	●	Quick-change and jackscrew-adjustable moldboard side-shift extreme-duty wear inserts
▲	▲	▲		610-mm (24 in.) left- or right-hand extensions for 610-mm (24 in.) moldboard
		▲	▲	610-mm (24 in.) left- or right-hand extensions for 686-mm (27 in.) moldboard
▲	▲	▲	▲	Reversible overlay endbits

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

No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard equipment; 14.0 x 610-mm (24 in.) 12 PR G2, Bias tires and 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 7/8 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 620G, 670G, and 770G; and 17.5 R 635-mm (25 in.) L2, Radial tires and 4.27-m x 686-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 870G. 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.

620	670	770	870	Overall Vehicle
●	●	●	●	JDLink™ wireless communication system (available in specific countries; see your dealer for details)
●	●	●	●	Ground-level fuel and diesel exhaust fluid (DEF) filling
▲	●	●	●	Fluid-sampling ports for engine oil and coolant, hydraulic oil, and axle and transmission fluids
●	●	●	●	Vandal-protection locking for: Cab doors / Top tank radiator-access door / Engine coolant surge tank / Hydraulic reservoir cap / Battery-disconnect switch / Ground-level electrical master disconnect switch / Fuel-tank door and cap / Toolbox
●	●	●	●	Environmental drains with hoses for engine, transmission, hydraulic, differential fluids, and engine coolant
▲	●	●	●	Hydraulically driven cool-on-demand reversing fan
●	●	●	●	Banked easy-access vertical spin-on filters for hydraulic, transmission, and axle fluids
●	●	●	●	Engine rotary ejector precleaner
●	●	●	●	Automatic differential lock
●	●	●	●	Engine-stall prevention and auto shutdown
▲	▲	▲	▲	Adjustable rotary engine precleaner (FT4/Stage IV)
	▲	●	●	Heavy-duty air cleaner (FT4/Stage IV)
●	●	●		Single-input circle drive
▲	▲	▲		Single-input circle drive with slip clutch
	▲	▲	●	Heavy-duty dual-input circle drive without slip clutch
	▲	▲	▲	Heavy-duty dual-input circle drive with slip clutch
▲	▲	▲	▲	AutoShift transmission
▲	▲	▲	▲	Blade-impact-absorption system
▲	▲	▲	▲	Front and/or rear wheel fenders
▲	▲	▲	▲	Quick-service bank for transmission, hydraulic, engine oil, and engine coolant fluid changes
▲	▲	▲	▲	Secondary steering
	▲	▲	▲	Sound-absorption package (Tier 3/Stage IIIA and Tier 2/Stage II)
Automation				
▲	▲	▲	▲	Automation Suite including Auto-Articulation, Blade Flip, and Machine Presets (standard on SmartGrade™ models, optional on GP models)

620	670	770	870	Front Attachments
▲	▲	▲	▲	Front push block
▲	▲	▲	▲	V-type front scarifier with float position, 5 shanks
▲	▲	▲	▲	Mid-mount scarifier with float position, 11 shanks
▲	▲	▲	▲	Front Balderson-style lift group with float position
▲	▲	▲	▲	Front-mounted dozer blades
Rear Attachments				
●	●	●	●	Full bottom guard with access panel and side guards for rear vehicle protection
▲	▲	▲	▲	Rear-mounted ripper/scarifier combination with rear hitch and pin, 3 ripper shanks
▲	▲	▲	▲	Rear counterweight with rear hitch and pin
▲	▲	▲	▲	Rear hitch and pin
▲	▲	▲	▲	Extra scarifier shanks (9) with teeth for rear ripper scarifier
	▲	▲	▲	Extra ripper shanks (2) with teeth for rear ripper/scarifier
Grade Pro (GP) Option				
●	●	●	●	Low-profile GP cab with opening lower front and side windows
▲	▲	▲	▲	Low-profile GP cab utilizing laminated glass with fixed lower front and side opening windows
●	●	●	●	Premium heated, leather/fabric, high-wide-back, air-suspension seat with armrests
▲	▲	▲	▲	Dual-joystick controls
▲	▲	▲	▲	Fingertip armrest-mounted controls including steering lever
●	●	●	●	Steering wheel
●	●	●	●	Cross-slope
●	●	●	●	Return to straight
Grade Control				
▲	▲	▲	▲	SmartGrade
▲	▲	▲	▲	Mast mounts
▲	▲	▲	▲	Topcon ready available on G and GP models
▲	▲	▲	▲	Trimble ready available on G and GP models
▲	▲	▲	▲	Leica ready available on GP models

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

No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard equipment; 14.0 x 610-mm (24 in.) 12 PR G2, Bias tires and 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 7/8 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 620G, 670G, and 770G; and 17.5 R 635-mm (25 in.) L2, Radial tires and 4.27-m x 688-mm x 25-mm (14 ft. x 27 in. x 1 in.) high-strength, wear-resistant moldboards with 16-mm x 152-mm (0.63 in. x 6 in.) Dura-Max through-hardened-steel cutting edges for the 870G. Weights include lubricants, coolants, full fuel tanks, and 79-kg (175 lb.) operators.





JOHN DEERE

[JohnDeere.com/ graders](http://JohnDeere.com/ graders)

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

### Take control with more options

Inspired by input from customers like you, John Deere G-Series Motor Graders include a host of innovative options like 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.**



DKAGGDR Litho in U.S.A. (19-01)