G-SERIES 4WD MOTOR GRADERS

DEERE

870G/GP





YOU WORK



87/0G/GP

SPECIFICATIONS

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.

John Deere PowerTech [™] PSS 9.0L EPA Final Tier 4/EU Stage V 6 9.0L (548 cu. in.)	John Deere PowerTech [™] Plus 9.0L EPA Tier 3/EU Stage IIIA 6 9.0L (548 cu. in.)	John Deere PowerTech [™] 9.0L EPA Tier 2/EU Stage II 6 9.0L (548 cu. in.)
6	6	6
6	6	6
9.0L (548 cu. in.)	9.0L (548 cu. in.)	9.0L (548 cu. in.)
168 kW (225 hp)	164 kW (220 hp)	164 kW (220 hp)
		172 kW (230 hp)
•	•	179 kW (240 hp)
•		183 kW (245 hp)
· · · · · · · · · · · · · · · · · · ·		187 kW (250 hp)
		194 kW (260 hp)
•	•	198 kW (265 hp)
		201 kW (270 hp)
•	•	1330 Nm (991 lbft.)
		48%
		Turbocharged, charge-air cooled
5 5		Full-flow spin-on filter and integral coole
		Dual element, dry
Duar clement, ary	bud cicilient, dry	budi ciciliciti, di y
-37 deg. C (-34 deg. E)		
57 deg. e (54 deg. r)		
Direct-drive John Deere PowerShift Plus™	modulated shift-on-the-go Event-Based S	Shifting (FBS), inching pedal: independen
	5	
transmission reservoir with separate mile		z gpini gear punip
8		
		No tire slip at 2,180 rpm, 17.5-R25 tires
	Gear 5	16.7 km/h (10.4 mph)
		23.3 km/h (14.5 mph)
		32.2 km/h (20.0 mph)
		45.0 km/h (28.0 mph)
•	ocu o	15.6 km/1 (26.6 mpn)
-		
5	h type can be applied on-the-go: selectable	e manual or automatic differential lock
	ac slope stability, retain to straight conti	
22 deg		
2	led. filtered oil	
		ed cooled filtered oil: both independen
	n pivot, self-adjusting, sealed in cooled and	d filtered oil, multi-disc (ISO 3450)
, accased, moodid of tunden		
	v released, oil cooled, self-adjusting UND 3	4500
Automatically spring applied, hydraulicall	y released, oil cooled, self-adjusting (ISO 3	450)
Automatically spring applied, hydraulicall		
Automatically spring applied, hydraulically Closed-center, pressure-compensated loa	y released, oil cooled, self-adjusting (ISO 3 ad-sensing (PCLS), variable-displacement p	
Automatically spring applied, hydraulicall		
	transmission reservoir with separate filtra 8 8 No tire slip at 2,180 rpm, 17.5-R25 tires 3.9 km/h (2.4 mph) 5.6 km/h (3.5 mph) 7.9 km/h (4.9 mph) 10.9 km/h (6.8 mph) Heavy-duty welded fabrication 32 deg. 20 deg. 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, n systems effective on all 4 tandem wheels	187 kW (250 hp) 179 kW (240 hp) 190 kW (255 hp) 183 kW (245 hp) 198 kW (265 hp) 187 kW (250 hp) 201 kW (270 hp) 194 kW (260 hp) 205 kW (275 hp) 198 kW (265 hp) 209 kW (280 hp) 201 kW (270 hp) 1430 Nm (1,066 lbft.) 1330 Nm (991 lbft.) 53% 48% Series turbocharged, charge-air cooled Turbocharged, charge-air cooled Full-flow spin-on filter and integral cooler Full-flow spin-on filter and integral cooler Dual element, dry Dual element, dry -37 deg. C (-34 deg. F)

SZOG / GP SPECIFICATIONS



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Blade Function	870G/GP	
All-hydraulic, industry-standard lever placer	nent of blade-function controls; includes float position; 7 d	iscrete saddle positions
Blade Range		
Lift Above Ground	452 mm (17.8 in.)	
Blade Side Shift (right or left)	683 mm (26.9 in.)	
Pitch at Ground Line		
Forward	42 deg.	
Back	5 deg.	
Shoulder Reach Outside Wheels (frame straight, right or left)	2329 mm (91.7 in.) (7 ft. 8 in.)	
Bank Cut Angle (right or left)	90 deg.	
Blade Pull		
At Maximum Operating Weight	15 501 kg (34,173 lb.)	
Electrical		
Solid-state load center and sealed-switch		
module	EPA Final Tier 4/EU Stage V	EPA Tier 3/EU Stage IIIA and EPA Tier 2/EU Stage II
Voltage	24 volt	24 volt
Number of Batteries	2	2
Battery Capacity	1,400 CCA	1,400 CCA
Reserve Capacity	440 min.	440 min.
Amp-Hour Rating	224 amp-hour	224 amp-hour
Alternator Rating		
Base	130 amp	100 amp
Optional	200 amp	130 amp
Lights		s; front and rear LED turn signals and marker lights; LED brake
Mainframe		
Туре	Welded box construction	
Width (minimum)	307 mm (12.1 in.)	
Height (minimum)	307 mm (12.1 in.)	
Thickness		
Side	16 mm (0.63 in.)	
Top and Bottom Plate	30 mm (1.17 in.)	
Modulus	20 ()	
Minimum Vertical Section	1770 cm³ (108 cu. in.)	
Average Vertical Section at Saddle	2635 cm ³ (161 cu. in.)	
Draft Frame (drawbar)		
	less with double ball-and-socket pivot connection equipped	with quick-change replaceable wear inserts
Circle	less with double bail-and-socket prot connection equipped	with quick-change replaceable wear inserts
	ed for flatness, equipped with quick-change replaceable wea	ar incorts
Weided construction, neat-treated, machine	Standard Circle	Premium Circle
Circle Diameter	1524 mm (60 in.)	1524 mm (60 in.)
Rotation		
Surface	360 deg. Ovide shansa hanna ar nulan waar incerta	360 deg. Sealed and lubricated roller element slewing bearing
	Quick-change bronze or nylon wear inserts	
Pinion/Ring-Gear Connection	Adjustable backlash and open for serviceability	No adjustment; fully sealed and lubricated
Drive	Hydraulic motor and worm gear with positive lock	Hydraulic motor and worm gear with positive lock
Slip Clutch	Option	Standard
Circle Side Shift (right and left)	787 mm (31 in.)	787 mm (31 in.)
Moldboard		
replaceable wear inserts and quick-adjust ja		ts; blade side-shift wear system includes quick-change
Base Length	4.27 m (168 in.) (14 ft. 0 in.)	
Height (measured along arc, including cutting edge)	686 mm (27 in.)	
Thickness	25 mm (1 in.)	

870G/GP

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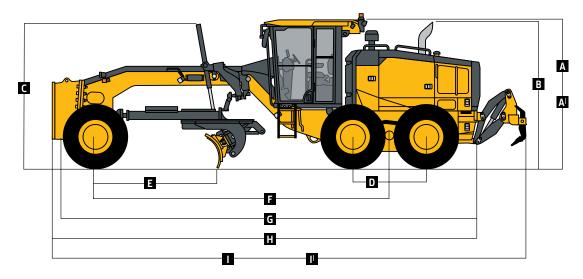
Cutting Edge	870G/GP			
Dura-Max [™] through-hardened steel edge				
Thickness	19 mm (0.75 in.)			
Width	203 mm (8 in.)			
Scarifiers				
Scalifiers	Front		Mid-mount	
Tuno	V-type toolbar with 2-pitch positions a	nd hydraulic float		NeverGrease [™] pin joints; V-type manual
Туре	v-type toolbal with z-pitch positions a	nu nyuraunc noac	3-pitch positions a	
Width of Cut	1.20 m (48 in.) (4 ft. 0 in.)		1.19 m (46.7 in.) (3 f	
Number of Shanks/Teeth	5 (maximum capacity 9)		1.19 111 (40.7 111.7 (5 1	
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			12.0 111.1	
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)	25 % 70 11111 (1 % 5 111.)			.)
Parallel linkage, mechanical pins, and hydrauli	ic float			
Lift	ic noat			
Above Ground (top of tube)	1864 mm (73.4 in.)			
•				
Range Rear Ripper/Scarifier	988 mm (38.9 in.)			
	hudurulia flant, and intermeted hitab			
Parallel linkage, with NeverGrease pin joints,			C:f:	
	Ripper		Scarifier	2: 1
Width of Cut	2.21 m (87.2 in.) (7 ft. 3 in.)		2.18 m (86 in.) (7 ft	
Number of Shanks/Teeth	3 (maximum capacity 5)		None standard (ma	iximum capacity 9)
Lift Above Ground	602 mm (23.7 in.)		810 mm (31.9 in.)	
Maximum Depth	426 mm (16.8 in.)		323 mm (12.7 in.)	
Force				
Penetration	10 240 kg (22,574 lb.)		-	
Pry-Out	13 623 kg (30,034 lb.)		-	
Shank Size	61.5 x 133 mm (2.42 x 5.25 in.)		25 x 76 mm (1 x 3 in	.)
Operator Station				
Low-profile cab with ROPS (ISO 3471-2008) a	nd FOPS (ISO 3449-2005)			
Tires/Wheels				
	17.5R25 on 356-mm (14 in.) Rim	550/65R25 on 432-	mm (17 in.) Rim	20.5R25 on 432-mm (17 in.) Rim
Wheel Tread on Ground	2.16 m (85.0 in.)	2.21 m (87.0 in.)		2.32 m (92 in.)
Overall Width	2.64 m (104.0 in.)	2.82 m (111 in.)		2.8 m (110 in.)
Ground Clearance (front axle)	587 mm (23.1 in.)	612 mm (24.1 in.)		640 mm (25.2 in.)
Serviceability				
Refill Capacities	EPA Final Tier 4/EU Stage V		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.)	
Diesel Exhaust Fluid (DEF) Tank	22.5 L (6 gal.)		-	
Cooling System	55.0 L (14.5 gal.)		48.5 L (12.8 gal.)	
Engine Oil With Filter	28.4 L (7.5 gal.)		28.0 L (7.4 gal)	
Transmission Fluid	23.5 L (6.2 gal.)		28.4 L (7.5 gal.)	
Differential Housing	38.0 L (10 gal.)		38.0 L (10 gal.)	
Tandem Housings (each)	74.0 L (19.5 gal.)		74.0 L (19.5 gal.)	
Circle Gearbox	5.7 L (1.5 gal.)		5.7 L (1.5 gal.)	
Hydraulic Reservoir	60.5 L (16 gal.)		53.0 L (14 gal.)	
Operating Weights				
With Full Fuel Tank, 4.27-m x 686-mm x				
25-mm (14 ft. x 27 in. x 1.0 in.) Moldboard				
With 203-mm x 19-mm (8 in. x ¾ in.) Cutting				
Edges, 17.5R25 L2 Tires, and 79-kg (175 lb.)				
Operator	EPA Final Tier 4/EU Stage V		EPA Tier 3/EU Stag	e IIIA and EPA Tier 2/EU Stage II
Front	4547 kg (10,025 lb.)		4556 kg (10,045 lb.)
Rear	12 499 kg (27,555 lb.)		11 854 kg (26,134 lb	.)
Total	17 046 kg (37,580 lb.)		16 410 kg (36,179 lb	
Typical Operating Weight With Front Push Block, Rear Ripper/Scarifier, and Other				
Equipment				
Front	5980 kg (13,184 lb.)		6035 kg (13,305 lb.)	
Rear	14 734 kg (32,484 lb.)		13 805 kg (30,435 ll	
Total	20 715 kg (45,668 lb.)		19 840 kg (43,740 l	
Maximum Operating Weight	24 948 kg (55,000 lb.)		24 948 kg (55,000	lb.)

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Option Weights 870G/GP							
Moldboards With Through-Hardened Dura-Max							
Cutting Edge							
3.96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.)	–72 kg (–159 lb.)						
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge							
and 16-mm (¾ in.) hardware							
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	0 kg (0 lb.)						
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge							
and 16-mm (¾ in.) hardware							
4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)	9.5 kg (21 lb.)						
with 203-mm x 19-mm (8 in. x ¾ in.) cutting edge							
and 19-mm (¾ in.) hardware							
4.88 m x 686 mm x 25 mm (16 ft. x 27 in. x 1 in.)	137 kg (302 lb.)						
with 203-mm x 19-mm (8 in. x ³ / ₄ in.) cutting edge							
and 19-mm (¾ in.) hardware							
Extensions, 610 mm (2 ft.) (right or left)							
For Use With 686-mm (27 in.) Moldboards	120 kg (265 lb.)						
Overlay End Bits, Reversible (one pair)							
For 152-mm (6 in.) Cutting Edge	19.5 kg (43 lb.)						
For 203-mm (8 in.) Cutting Edge	23 kg (51 lb.)						
Heavy-Duty Dual-Input Circle-Drive Gearbox	14 kg (31 lb.)						
Circle-Drive Slip Clutch	9 kg (20 lb.)						
Circle							
Standard	0 kg (0 lb.)						
Premium	255 kg (562 lb.)						
Moldboard Impact-Absorption System	43 kg (95 lb.)						
Ripper/Scarifier, Rear Mounted With Hitch and Ripper 1139 kg (2,510 lb Shanks (3)							
Scarifier Shanks With Teeth (9 for rear ripper/scarifier)	68 kg (150 lb.)						
Ripper Shanks and Teeth (2)	63 kg (139 lb.)						
Rear Counterweight With Integral Rear Hitch	727 kg (1,603 lb.)						
Rear Hitch	54.4 kg (120 lb.)						
Push Block, Front	1338 kg (2,950 lb.)						
Scarifier							
Front Mount With Teeth (5) 831 kg (1,833 lb.)							
Mid-Mount With Teeth (11)	1481 kg (3,265 lb.)						
Machine Dimensions							
A Height to Top of Cab	3.18 m (10 ft. 5 in.)						
A ^I Height to Top of Full-Height Cab	3.40 m (11 ft. 2 in.)						
B Height to Top of Exhaust	3.10 m (10 ft. 2 in.)						
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)	870G/GP		
Front Lift Group (Balderson-style)	763 kg (1,682 lb.)		
Tires	705 kg (1,002 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.)		
20.5-R25. Radial. G2/L2 Snow	414 kg (913 lb.)		
20.5-R25, Radial, G2/L2 Show 20.5-R25, Radial, G3/L3 General Purpose	474 kg (1,045 lb.)		
1-Piece Rims	4/4 Kg (1,045 lb.)		
330 mm x 635 mm (13 in. x 25 in.)	–201.4 kg (–444 lb.)		
Multi-Piece Rims	-201.4 kg (-444 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.)	54.4 kg (120 lb.)		
432 mm x 633 mm (17 m. x 23 m.) Fenders	JT.H NY (120 ID.)		
Front	99 kg (218 lb.)		
Rear	141 kg (310 lb.)		
Low Cab With Opening Front and Side Windows	14.5 kg (32 lb.)		
Premium Air-Suspension, Heated Seat With Adjustable	13 kg (28 lb.)		
Arm- and Headrests	15 kg (20 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)	H Kg (51 10./		
Secondary Steering	26 kg (58 lb.)		
Beacon Bracket	8 kg (18 lb.)		
Fire Extinguisher	14.5 kg (32 lb.)		
Lighting Packages	11.5 kg (52 15.)		
10 Halogen Lights	4.5 kg (10 lb.)		
18 Halogen Lights	8 kg (18 lb.)		
18 LED Lights	7 kg (16 lb.)		
High-Front Light Bar for Snowplowing	20 kg (44 lb.)		
Auxiliary Hydraulic Control Valve Section and Controls	7 kg (15 lb.)		
Hydraulics for Front-Mounted Equipment	9 kg (19 lb.)		
Machine Dimensions (continued)			
F Wheelbase	6.16 m (20 ft. 3 in.)		
G Overall Length	8.89 m (29 ft. 2 in.)		
H Overall Length With Scarifier	9.69 m (31 ft. 9 in.)		
I Overall Length With Push Block and Ripper	9.99 m (32 ft. 9 in.)		
I Overall Length With Scarifier and Ripper	10.59 m (34 ft. 9 in.)		
For Overall Width see Tires/Wheels on page 28.			



Additional equipment

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

620 670 770 870	Operator's Station
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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)
	•	۲	•	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
•	•	٠	•	Electric rear-window defroster
•	•	•	•	Upper front windshield washers with intermittent wipers
	•	•	•	Upper rear windshield washers with intermittent wipers
				Lower front intermittent wiper and washer
				Powered cab precleaner
				Decelerator pedal
				Flip-down, right- and/or left-hand cab beacon with bracket
•	•	•	•	Cab prewired for beacon, radio, and auxiliary circuit
•	•	•	•	Front window sun visor
				Retractable rear sunshade
•	•	•	•	Rearview mirrors, exterior (2) (SAE J985)
				Heated exterior mirrors (2) (SAE J985)
				Fire extinguisher
•	•	•	•	High-resolution rear camera with dedicated in-cab monitor (in some markets)
				High-resolution front/rear-camera combination with dedicated in-cab monitor
•	٠	٠	•	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 (Tier 3/Stage IIIA and Tier 2/ Stage II)
•	•	•	•	130-amp alternator (FT4/Stage V [optional for Tier 3/ Stage IIIA and Tier 2/Stage II])
				200-amp alternator (FT4/Stage V)
•	•	•	•	Batteries (2), 1,400 CCA with 440-min. reserve capacity
	\bullet	۲	٠	Left-hand engine compartment service-check light
				Right-hand engine compartment service-check light
•	٠	\bullet	۲	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
•	\bullet	\bullet	•	Reverse warning alarm (SAE J994)
•	•	•	•	LED brake and turn lights
				Moldboard
				Patented pre-stressed, high strength, wear resistant:
•	•	\bullet		3.66 m x 610 mm x 22 mm (12 ft. x 24 in. x 1/8 in.)
				3.96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.)
				4.27 m x 610 mm x 22 mm (14 ft. x 24 in. x 1/8 in.)
			٠	4.27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.)
				4.88 m x 686 mm x 25 mm (16 ft. x 27 in. x 1 in.)
•	•	•	•	Quick-change and jackscrew-adjustable moldboard side-shift extreme-duty wear inserts
				610-mm (24 in.) left- or right-hand extensions for 610-mm (24 in.) moldboard
				610-mm (24 in.) left- or right-hand extensions for 686-mm (27 in.) moldboard
				Reversible overlay endbits
				Overall Vehicle
•	•	•	•	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

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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 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.

Additional equipment (continued)

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

620 670 770 870 Overall Vehicle (continued)

020	0/0	110	0/0	
•	•	•	•	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
	٠	•	٠	Hydraulically driven cool-on-demand reversing fan
•	•	•	•	Banked easy-access vertical spin-on filters for hydraulic, transmission, and axle fluids
•	\bullet	\bullet	•	Engine rotary ejector precleaner
•	•	۲	\bullet	Automatic differential lock
•	\bullet	۲	\bullet	Engine-stall prevention and auto shutdown
				Adjustable rotary engine precleaner (FT4/Stage V)
		۲	\bullet	Heavy-duty air cleaner (FT4/Stage V)
	•	۲		Single-input circle drive
				Single-input circle drive with slip clutch
			•	Heavy-duty dual-input circle drive without slip clutch
				Heavy-duty dual-input circle drive with slip clutch
				Premium circle
				Auto-Shift transmission
				Auto-Shift PLUS transmission
				Blade-impact-absorption system
				Front and/or rear wheel fenders
				Quick-service bank for transmission, hydraulic, engine oil, and engine coolant fluid changes
				Secondary steering
				Sound-absorption package (Tier 3/Stage IIIA and Tier 2/Stage II)
				Wheel chocks
				Automation (standard on SmartGrade [™] models,
				optional on GP models)
				Automation Suite
				Auto-Articulation
				Auto-Gain for Cross Slope
				Auto-Pass
				Blade Flip
				Machine Presets
				Machine-Damage Avoidance

620	C 70	770	070	Front Attackments
620	670	770	870	Front Attachments
	.	_	A	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
•	\bullet	\bullet	\bullet	Premium heated, leather/fabric, high-wide-back,
				air-suspension seat with armrests
				Dual-joystick controls
				Fingertip armrest-mounted controls including steering lever
•	•	•	•	Steering wheel
۲	•	•	•	Cross slope
•	•	\bullet	•	Return to straight
				Grade Control
				SmartGrade available on GP models
				Mast mounts
		-	-	Mast mounts
				Topcon ready available on G and GP models

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; Spectrations are inacconstance with SAC standards. Except where other wise forced, in a system of the standard equipment, 14.0 x 610-mm [24 in, 1] L2 PR G2, Bias fitters 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 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.