



# 672G PLUS 6WD SPECIFICATIONS



## ENGINE

**Manufacturer and Model**  
John Deere PowerTech™ 9.0 L

**Non-Road Emission Standard**  
EPA Tier 2/EU Stage II

**Cylinders**  
6

**Displacement**  
9,0 L (548 cu. in.)

**Net Engine Power**

Gear 1	138 kW (185 hp)
Gear 2	149 kW (200 hp)
Gear 3	160 kW (215 hp)
Gear 4	168 kW (225 hp)
Gear 5	172 kW (230 hp)
Gear 6	179 kW (240 hp)
Gear 7	187 kW (250 hp)
Gear 8	179 kW (240 hp)*

**Net Peak Torque**  
1 248 Nm (920 lb.-ft.)

**Net Torque Rise**  
54%

**Aspiration**  
Turbocharged, charge-air cooled

**Lubrication**  
Full-flow spin-on filter and integral cooler

**Air Cleaner with Restriction Indicator**  
Dual element, dry

## COOLING

Engine Coolant, Extended Life,  
Rating:  
-37 deg. C (-34 deg. F)

## POWERTRAIN

**6-Wheel Drive**  
Automatic dual-path hydrostatic drive; increases tractive effort and front-end control; includes separate left and right systems with variable-displacement pumps, axial-piston wheel motors, and freewheel at transport speeds; operator-selectable 15-position rotary aggressiveness control and inching capability down to 0 mph; precision mode (propelled by front wheels only)

**Effective Gears:**  
1-7 forward and reverse (9.0L engines) / 1-4 forward and reverse (6.8L engines)

**Precision Mode:**  
Effective Gears: 1-3 forward only

**Operating Speeds:**  
0,4 - 8,0 km/h (0.25-5.0 mph)

**Hydrostatic Pumps (2 each):**  
53 cm³ (3.2 cu. in.)

**Wheel Motors:**  
57 cm³ (3.5 cu. in.)

**Final Reduction:**  
38,7:1

## Transmission

Direct-drive John Deere PowerShift Plus™, modulated shift-on-the-go, Event-Based Shifting (EBS), inching pedal; independent transmission reservoir with separate filtration and cooling system with 117-L/min. (31 gpm) gear pump

**Gears:**  
Forward 8  
Reverse 8

**Maximum Travel Speeds**  
No tyre slip at 2 180 rpm

Gear 1	4,0 km/h (2.5 mph)
Gear 2	5,6 km/h (3.5 mph)
Gear 3	7,7 km/h (4.8 mph)
Gear 4	10,9 km/h (6.8 mph)
Gear 5	16,4 km/h (10.2 mph)
Gear 6	23,2 km/h (14.4 mph)
Gear 7	32,3 km/h (20.1 mph)
Gear 8	45,5 km/h (28.3 mph)

**Front Axle**  
Heavy-duty welded fabrication

**Oscillation (total):**  
32 deg.

**Wheel Lean Angle (each direction):**  
20 deg.

**Differentials**  
Spiral bevel; hydraulically actuated, clutch type can be applied on-the-go; selectable manual or automatic differential lock

**Steering (all models include steering wheel)**  
All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side-slope stability; return-to-straight control included in Grade Pro (GP) option

**Turning Radius (front steer and articulation):**  
7,21 m (284 in.) (23 ft. 8 in.)

**Articulation (both right and left):**  
22 deg.

**Final Drives**  
Inboard-mounted planetary sealed in cooled, filtered oil

**Brakes**  
Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in pressurized, cooled, filtered oil; both independent systems effective on all 4 tandem wheels

**Primary and Secondary Brakes:**  
Hydraulically actuated, inboard of tandem pivot, self-adjusting, sealed in cooled and filtered oil, multi-disc (ISO 3450)

**Parking Brake:**  
Automatically spring applied, hydraulically released, oil cooled, self-adjusting (ISO 3450)

## HYDRAULICS

**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.)

## 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):**  
2 083 mm (82.0 in.) (6 ft. 10 in.)

**Bank Cut Angle (right or left):**  
90 deg.

## BLADE PULL

**At Maximum Operating Weight:**  
22 453 kg (49,500 lb.)

## ELECTRICAL

Solid-state load center and sealed switch module

**Voltage:**  
24 volt

**Number of Batteries:**  
2

**Battery Capacity:**  
1 400 CCA

**Reserve Capacity:**  
440 min.

**Amp-Hour Rating:**  
224 amp-hour

**Alternator Rating:**  
Base: 100 amp  
Optional: 130 amp

**Lights**  
Driving lights; 2 high- and 2 low-beam halogen headlights; front and rear LED turn signals and marker lights; LED brake and hazard warning lights

## MAINFRAME

**Type**  
Welded box construction

**Width (minimum):**  
307 mm (12.1 in.)

**Height (minimum):**  
307 mm (12.1 in.)

**Thickness:**  
Side: 16 mm (0.63 in.)  
Top and Bottom Plate: 23 mm (0.89 in.)

**Modulus:**  
Minimum Vertical Section:  
1 445 cm³ (88 cu. in.)

**Average Vertical Section at Saddle:**  
2 245 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:**  
1 524 mm (60 in.)

**Rotation:**  
360 deg.

**Drive:**  
Hydraulic motor and worm gear with positive lock

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

## MOLDBOARD

High-strength, pre-stressed for higher strength; wear-resistant, high-carbon steel and reversible end bits; blade side-shift wear system includes quick-change replaceable wear inserts and quick-adjust jackscrew system

**Base Length:**  
4,27 m (168 in.) (14 ft.)

**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 4WD)

**Type**  
Front: V-type toolbar with manual 2-pitch positions and hydraulic float

Mid-Mount: Radial linkage, with NeverGrease™ pin joints; V-type manual 3-pitch positions and hydraulic float

**Width of Cut**

Front: 1,20 m (48 in.) (4 ft. 0 in.)

Mid-Mount: 1,19 m (46.7 in.) (3 ft. 11 in.)

**Number of Shanks/Teeth**

Front: 5 (maximum capacity 9)

Mid-Mount: 11

**Lift Above Ground**

Front: 589 mm (23.2 in.)

Mid-Mount: 335 mm (13.2 in.)

**Maximum Depth**

Front: 335 mm (13.2 in.)

Mid-Mount: 325 mm (12.8 in.)

**Shank: Spacing**

Front: 146 mm (5.75 in.)

Mid-Mount: 117 mm (54.6 in.)

**Shank: Size**

Front: 25 x 76 mm (1 x 3 in.)

Mid-Mount: 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): 1 864 mm (73.4 in.)

Range: 988 mm (38.9 in.)

**REAR RIPPER/SCARIFIER**

Parallel linkage, with NeverGrease pin joints, hydraulic float, and integrated hitch

**Width of Cut**

Ripper: 2,21 m (87.2 in.) (7 ft. 3 in.)

Scarifier: 2,18 m (86 in.) (7 ft. 2 in.)

**Number of Shanks/Teeth**

Ripper: 3 (maximum capacity 5)

Scarifier: None standard (maximum capacity 9)

**Lift Above Ground**

Ripper: 602 mm (23.7 in.)

Scarifier: 810 mm (31.9 in.)

**Maximum Depth**

Ripper: 426 mm (16.8 in.)

Scarifier: 323 mm (12.7 in.)

**Force at Typical FT4 Weight Penetration**

Ripper: 9 712 kg (21,411 lb.)

**Pry-Out**

Ripper: 13 671 kg (30,139 lb.)

**Shank Size**

Ripper: 61,5 x 133 mm (2.42 x 5.25 in.)

Scarifier: 25 x 76 mm (1 x 3 in.)

**OPERATOR STATION**

Low-profile cab with ROPS (ISO 3471-2008) and FOPS (ISO 3449-2005)

**TYRES/WHEELS**

Standard: 17.5x25 L4

• Wheel Tread on Ground: 2,16 m (85.0 in.)

• Overall Width: 2,64 m (104.0 in.)

• Ground Clearance (front axle): 587 mm (23.1 in.)

**SERVICEABILITY**

Refill Capacities: 9,0L engine

Fuel Tank: 416,5 L (110 gal.)

Cooling System: 48,5 L (12.8 gal.)

Engine Oil with Filter: 28,0 L (7.4 gal.)

Transmission Fluid: 28,4 L (7.5 gal.)

Differential Housing: 38,0 L (10 gal.)

Tandem Housings (each): 74,0 L (19.5 gal.)

Circle Gearbox: 5,7 L (1.5 gal.)

Hydraulic Reservoir: 53,0 L (14 gal.)

**OPERATING WEIGHTS**

• With Full Fuel Tank, 3.66-m x 610-mm x 22-mm (12 ft. x 24 in. x 0.88 in.) Moldboard with 152-mm x 16-mm (6 in. x 5/8 in.) Cutting Edges, 1414R24 L2 Tyres, and 79-kg (175lb.)

**Operator:**

Front: 4 826 kg (10,640 lb.)

Rear: 11 814 kg (26,045 lb.)

Total: 16 640 kg (36,685 lb.)

• Typical Operating Weight with Front Push Block, Rear Ripper/Scarifier, and Other Equipment

Front: 5 970 kg (13,162 lb.)

Rear: 13 330 kg (29,388 lb.)

Total: 19 300 kg (42,550 lb.)

Maximum Operating Weight: 24 948 kg (55,000 lb.)

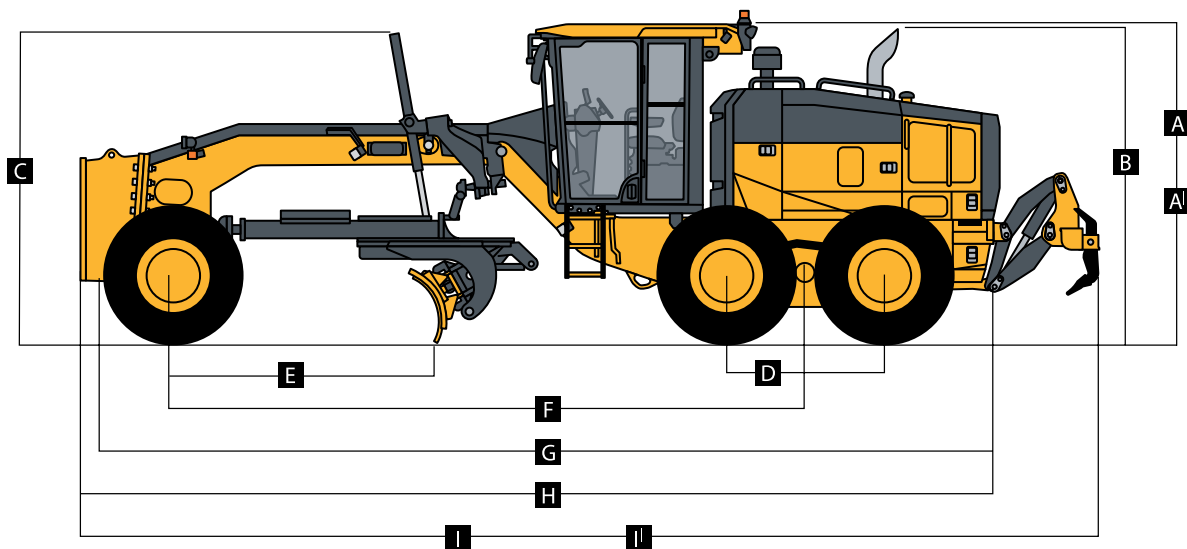
**MACHINE DIMENSIONS**

<b>A</b>	Height to Top of Cab	3,18 m (10 ft. 5 in.)
<b>AI</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.)

**continued...**

<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.)

For Overall Width see Tyres/Wheels



**Option Weights** **672G 4WD**

<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 7/8 in.) with 152 mm x 16 mm (6 in. x 5/8 in.) cutting edge and 16 mm (5/8 in.) hardware .....	0 kg (0 lb.)
3,66 m x 610 mm x 22 mm (12 ft. x 24 in. x 7/8 in.) with 203 mm x 19 mm (8 in. x 3/4 in.) cutting edge and 16 mm (5/8 in.) hardware .....	45 kg (99 lb.)
3,66 m x 686 mm x 25 mm (12 ft. x 27 in. x 1 in.) with 203 mm x 19 mm (8 in. x 3/4 in.) cutting edge and 16 mm (5/8 in.) hardware .....	126 kg (277 lb.)
3,96 m x 686 mm x 25 mm (13 ft. x 27 in. x 1 in.) with 203 mm x 19 mm (8 in. x 3/4 in.) cutting edge and 16 mm (5/8 in.) hardware .....	180 kg (396 lb.)
4,27 m x 610 mm x 22 mm (14 ft. x 24 in. x 7/8 in.) with 152 mm x 16 mm (6 in. x 5/8 in.) cutting edge and 16 mm (5/8 in.) hardware .....	105 kg (231 lb.)
4,27 m x 610 mm x 22 mm (14 ft. x 24 in. x 7/8 in.) with 203 mm x 19 mm (8 in. x 3/4 in.) cutting edge and 16 mm (5/8 in.) hardware .....	157,4 kg (347 lb.)
4,27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.) with 203 mm x 19 mm (8 in. x 3/4 in.) cutting edge and 16 mm (5/8 in.) hardware .....	251 kg (554 lb.)
4,27 m x 686 mm x 25 mm (14 ft. x 27 in. x 1 in.) with 203 mm x 19 mm (8 in. x 3/4 in.) cutting edge and 19 mm (3/4 in.) hardware.....	261 kg (575 lb.)
<b>Extensions, 610 mm (2 ft.) (right or left)</b>	
For Use with 610 mm (24 in.) Moldboards .....	116 kg (255 lb.)
For Use with 686 mm (27 in.) Moldboards.....	120 kg (265 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.)
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) .....	1 139 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.....	1 338 kg (2,950lb.)
<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>Tyres</b>	
14.00-24, 12 PR G2 .....	-220,4 kg (-486lb.)
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.)
<b>Multi-Piece Rims</b>	
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.)
<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.)