G-SERIES 6WD MOTOR GRADERS









| Engine | 622 G P | | | |
|--|---|---|--|--|
| Manufacturer and Model | John Deere PowerTech™ PSS 6.8L | | | |
| Non-Road Emission Standard | EU Stage V | | | |
| Cylinders | 6 | | | |
| Displacement | 6.8L | | | |
| Net Engine Power | | | | |
| Gear 1 | 127 kW | | | |
| Gear 2 | 138 kW | | | |
| Gear 3 | 149 kW | | | |
| Gear 4 | 157 kW | | | |
| Gear 5 | 157 kW* | | | |
| Gear 6 | 160 kW* | | | |
| Gear 7 | 164 kW* | | | |
| Gear 8 | 168 kW* | | | |
| Net Peak Torque | 1035 Nm | | | |
| Net Torque Rise | 38% | | | |
| Engine Bore and Stroke | | | | |
| Aspiration | Series turbocharged, charge-air cooled | 107 x 127 mm | | |
| • | | | | |
| Lubrication Air Cleaner With Restriction Indicator | Full-flow spin-on filter and integral cooler | | | |
| | Dual element, dry | | | |
| *6WD not available. | | | | |
| Cooling | 77 6 | | | |
| Engine Coolant, Extended Life, Rating | –37 deg. C | | | |
| Powertrain | | | | |
| 6-Wheel Drive | Automatic dual-path hydrostatic drive; in | | | |
| | systems with variable-displacement pump | | | |
| | selectable 15-position rotary aggressivene | ess control and inching capability down | to 0 mph; precision mode (propelled | |
| | by front wheels only) | | | |
| Effective Gears | 1–4 forward and reverse | | | |
| Precision Mode | | | | |
| Effective Gears | 1–3 forward only | | | |
| Operating Speeds | 0.4-8.0 km/h | | | |
| Hydrostatic Pumps (2 each) | 53 cm ³ | | | |
| Wheel Motors | 57 cm ³ | | | |
| Final Reduction | 38.7:1 | | | |
| Transmission | Direct-drive John Deere PowerShift Plus™ | '. modulated shift-on-the-go. Event-Ba | sed Shifting (EBS), inching pedal: | |
| | independent transmission reservoir with | | | |
| Gears | macpendent transmission reservoir mitti | separate meration and cooming system | The state of the s | |
| Forward | 8 | | | |
| | | | | |
| Reverse | | | | |
| Reverse | 8 | Maximum Traval Speeds (| No tire clip at 2180 rpm 1/4P2/1 tires | |
| Maximum Travel Speeds | 8 No tire slip at 2,180 rpm, 14R24 tires | Maximum Travel Speeds (continued) | No tire slip at 2,180 rpm, 14R24 tires | |
| Maximum Travel Speeds Gear 1 | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h | Gear 5 | 16.4 km/h | |
| Maximum Travel Speeds Gear 1 Gear 2 | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h | Gear 5 Gear 6 | 16.4 km/h 23.2 km/h | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h | Gear 5 Gear 6 Gear 7 | 16.4 km/h 23.2 km/h 32.3 km/h | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h | Gear 5 Gear 6 | 16.4 km/h 23.2 km/h | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h c regions. | Gear 5 Gear 6 Gear 7 | 16.4 km/h 23.2 km/h 32.3 km/h | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h c regions. Heavy-duty welded fabrication | Gear 5 Gear 6 Gear 7 | 16.4 km/h 23.2 km/h 32.3 km/h | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific Front Axle Oscillation (total) | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h c regions. Heavy-duty welded fabrication 32 deg. | Gear 5 Gear 6 Gear 7 | 16.4 km/h 23.2 km/h 32.3 km/h | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h c regions. Heavy-duty welded fabrication 32 deg. 20 deg. | Gear 5 Gear 6 Gear 7 Gear 8 | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h cregions. Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch | Gear 5 Gear 6 Gear 7 Gear 8 type can be applied on-the-go; selecta | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h c regions. Heavy-duty welded fabrication 32 deg. 20 deg. | Gear 5 Gear 6 Gear 7 Gear 8 type can be applied on-the-go; selecta | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h cregions. Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch | Gear 5 Gear 6 Gear 7 Gear 8 type can be applied on-the-go; selectar maneuverability and productivity; cral | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock or steering reduces side drift, positions | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h c regions. Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch All-hydraulic power-frame articulation for | Gear 5 Gear 6 Gear 7 Gear 8 type can be applied on-the-go; selectar maneuverability and productivity; cral | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock or steering reduces side drift, positions | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h cregions. Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch All-hydraulic power-frame articulation for tandems on firm ground, and increases sid | Gear 5 Gear 6 Gear 7 Gear 8 type can be applied on-the-go; selectar maneuverability and productivity; cral | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock or steering reduces side drift, positions | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h cregions. Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch All-hydraulic power-frame articulation for tandems on firm ground, and increases sid | Gear 5 Gear 6 Gear 7 Gear 8 type can be applied on-the-go; selectar maneuverability and productivity; cral | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock or steering reduces side drift, positions | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific 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) | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h cregions. Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch All-hydraulic power-frame articulation for tandems on firm ground, and increases sid 7.21 m | Gear 5 Gear 6 Gear 7 Gear 8 Type can be applied on-the-go; selectar ameuverability and productivity; cral de-slope stability; automated return-to | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock or steering reduces side drift, positions | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific Front Axle Oscillation (total) Wheel Lean Angle (each direction) Differentials Steering (all models include steering wheel) Turning Radius (front steer and articulation) | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h cregions. Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch All-hydraulic power-frame articulation for tandems on firm ground, and increases sid 7.21 m 22 deg. Inboard-mounted planetary sealed in coordinates | Gear 5 Gear 6 Gear 7 Gear 8 Type can be applied on-the-go; selectar maneuverability and productivity; crab de-slope stability; automated return-to-poled, filtered oil | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock of steering reduces side drift, positions estraight feature | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific 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 | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h cregions. Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch All-hydraulic power-frame articulation for tandems on firm ground, and increases sid 7.21 m 22 deg. Inboard-mounted planetary sealed in coc Foot-controlled, hydraulically operated, mu | Gear 5 Gear 6 Gear 7 Gear 8 Type can be applied on-the-go; selectar maneuverability and productivity; crab de-slope stability; automated return-to-poled, filtered oil | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock of steering reduces side drift, positions estraight feature | |
| Maximum Travel Speeds Gear 1 Gear 2 Gear 3 Gear 4 *Maximum speed may be reduced for specific 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 | 8 No tire slip at 2,180 rpm, 14R24 tires 4.0 km/h 5.6 km/h 7.7 km/h 10.9 km/h cregions. Heavy-duty welded fabrication 32 deg. 20 deg. Spiral bevel; hydraulically actuated, clutch All-hydraulic power-frame articulation for tandems on firm ground, and increases sid 7.21 m 22 deg. Inboard-mounted planetary sealed in coordinates | Gear 5 Gear 6 Gear 7 Gear 8 Type can be applied on-the-go; selectar maneuverability and productivity; crabble-slope stability; automated return-to-bled, filtered oil | 16.4 km/h 23.2 km/h 32.3 km/h 45.5 km/h* able manual or automatic differential lock of steering reduces side drift, positions estraight feature | |





| Hydraulics | 622 G P |
|------------|----------------|
|------------|----------------|

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

Maximum Pump Flow212 L/min.Maximum System Pressure18 961 kPaPump Displacement90 cm³

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 Blade Side Shift (right or left) 678 mm

Pitch at Ground Line

Forward 42 deg.
Back 5 deg.
Shoulder Reach Outside Wheels (frame 2048 mm

straight, right or left)

Bank Cut Angle (right or left) 90 deg.

Blade Pull

At Maximum Operating Weight 20 412 kg

Electrica

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 200 amp

Lights Driving lights; high- and low-beam LED 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 Height (minimum) 307 mm

Thickness

Side 16 mm
Top and Bottom Plate 23 mm
Modulus

Minimum Vertical Section
Average Vertical Section at Saddle

Average Vertical Section at Saddle 2245 cm³

Draft Frame (drawbar)

1445 cm³

Welded box construction machined for flatness and double ball-and-socket pivot connection

Circle

Welded construction, heat-treated, and machined for flatness

Standard Circle Premium Circle
Circle Diameter 1524 mm 1524 mm
Rotation 360 deg. 360 deg.
Surface Quick-change bronze or nylon wear inserts Sealed and lubi

Surface Quick-change bronze or nylon wear inserts Sealed and lubricated roller element slewing bearing 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

Slip Clutch Option Standard Circle Side Shift (right and left) 787 mm 787 mm

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 Height (measured along arc, including 610 mm

cutting edge)

Thickness 22 mm

622GP

| Cutting Edge | 622 G P | |
|--|--|---|
| Dura-Max™ through-hardened steel edge | | |
| Thickness | 16 mm | |
| Width | 152 mm | |
| Scarifier | 132 11111 | |
| Scarrier | Mid-mount | |
| Tuno | | ual 2 nitch position with hydraulic float |
| Type Width of Cut | Radial linkage, with NeverGrease [™] pin joints; V-type manual 3-pitch position with hydraulic float | |
| | 1.19 m | |
| Number of Shanks/Teeth |]] | |
| Lift Above Ground | 335 mm | |
| Maximum Depth | 325 mm | |
| Shank | | |
| Spacing | 117 mm | |
| Size | 25 x 76 mm | |
| Front Dozer Blade | | |
| Parallel linkage, hydraulic float | | |
| Lift Above Ground | 706 mm | |
| Rear Ripper/Scarifier | | |
| Parallel linkage, with NeverGrease pin joints, | hydraulic float, and integrated hitch | |
| | Ripper | Scarifier |
| Width of Cut | 2.21 m | 2.18 m |
| Number of Shanks/Teeth | 3 (maximum capacity 5) | None standard (maximum capacity 9) |
| Lift Above Ground | 602 mm | 810 mm |
| Maximum Depth | 426 mm | 323 mm |
| | 420 mill | אוווו כשכ |
| Force | 0/0/1 | |
| Penetration | 9494 kg | - |
| Pry-Out | 12 387 kg | _ |
| Shank Size | 61.5 x 133 mm | 25 x 76 mm |
| Operator Station | | |
| Low-profile cab with ROPS (ISO 3471-2008) a | and FOPS (ISO 3449-2005) | |
| Tires/Wheels | | |
| | 1/03/ 35/ 0: | 17 FD2F 2F6 D: |
| | 14R24 on 254-mm Rim | 17.5R25 on 356-mm Rim |
| Wheel Tread on Ground | | |
| | 2.08 m | 2.16 m |
| Wheel Tread on Ground Overall Width Ground Clearance (front axle) | 2.08 m 2.49 m | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) | 2.08 m | 2.16 m |
| Overall Width Ground Clearance (front axle) Serviceability | 2.08 m 2.49 m | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) <mark>Serviceability</mark> Refill Capacities | 2.08 m 2.49 m 587 mm | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) <mark>Serviceability</mark> Refil l C apacities Fuel Tank | 2.08 m 2.49 m 587 mm | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each) | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other Equipment | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L 4781 kg 11 984 kg 16 765 kg | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other Equipment Front | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L 4781 kg 11 984 kg 16 765 kg | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other Equipment Front Rear | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L 4781 kg 11 984 kg 16 765 kg | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other Equipment Front | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L 4781 kg 11 984 kg 16 765 kg | 2.16 m 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other Equipment Front Rear | 2.08 m 2.49 m 587 mm 416.5 L 22.5 L 51.0 L 31.5 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L 4781 kg 11 984 kg 16 765 kg | 2.16 m 2.64 m |





| Engine | 672 G P | | | |
|---|---|--|---|--|
| Manufacturer and Model | John Deere PowerTech™ PSS 9.0L | | | |
| Non-Road Emission Standard | EU Stage V | | | |
| Cylinders | 6 | | | |
| Displacement | 9.0L | | | |
| Net Engine Power | | | | |
| Gear 1 | 149 kW | | | |
| Gear 2 | 157 kW | | | |
| Gear 3 | 168 kW | | | |
| Gear 4 | 172 kW | | | |
| Gear 5 | 179 kW | | | |
| Gear 6 | 187 kW | | | |
| Gear 7 | 190 kW | | | |
| Gear 8 | 190 kW* | | | |
| Net Peak Torque | 1292 Nm | | | |
| Net Torque Rise | 50% | | | |
| Engine Bore and Stroke | | | | |
| Aspiration | 118 x 136 mm | | | |
| Lubrication | Series turbocharged, charge-air cooled | | | |
| Air Cleaner With Restriction Indicator | Full-flow spin-on filter and integral cooler Dual element, dry | | | |
| *6WD not available. | Duai elelilelit, ul y | | | |
| | | | | |
| Cooling | 27 dea C | | | |
| Engine Coolant, Extended Life, Rating | –57 ueg. C | | | |
| Powertrain | Automatical collection building to the | | | |
| 6-Wheel Drive | Automatic dual-path hydrostatic drive; in | | - | |
| | systems with variable-displacement pump | | | |
| | selectable 15-position rotary aggressivene | ss control and inching capability down | to 0 mph; precision mode (propelled | |
| | by front wheels only) | | | |
| Effective Gears | 1–7 forward and reverse | | | |
| Precision Mode | | | | |
| Effective Gears | 1–3 forward only | | | |
| Operating Speeds | 0.4-8.0 km/h | | | |
| Hydrostatic Pumps (2 each) | 53 cm ³ | | | |
| Wheel Motors | 57 cm ³ | | | |
| Final Reduction | 38.7:1 | | | |
| Transmission | Direct-drive John Deere PowerShift Plus™, | , modulated shift-on-the-go, Event-Ba | ased Shifting (EBS), inching pedal; | |
| | independent transmission reservoir with | separate filtration and cooling system | ı with 117-L/min. gear pump | |
| Gears | | | | |
| Forward | 8 | | | |
| Reverse | 8 | | | |
| Maximum Travel Speeds | No tire slip at 2,180 rpm, 14R24 tires | Maximum Travel Speeds (continued) | No tire slip at 2,180 rpm, 14R24 tires | |
| Gear 1 | 4.0 km/h | Gear 5 | 16.4 km/h | |
| Gear 2 | 5.6 km/h | Gear 6 | 23.2 km/h | |
| Gear 3 | 7.7 km/h | Gear 7 | 32.3 km/h | |
| Gear 4 | 10.9 km/h | Gear 8 | 45.5 km/h* | |
| *Maximum speed may be reduced for specifi | | | | |
| Front Axle | Heavy-duty welded fabrication | | | |
| Oscillation (total) | 32 deg. | | | |
| Wheel Lean Angle (each direction) | 2 | | | |
| | - | 20 deg. | | |
| Differentials | Spiral bevel; hydraulically actuated, clutch type can be applied on-the-go; selectable manual or automatic differential lock All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift, positions | | | |
| Steering (all models include | | | | |
| steering wheel) | tandems on firm ground, and increases sid | ie-slope stability; automated return-to |)-straignt reature | |
| Turning Radius (front steer and | 7.21 m | | | |
| articulation) | 22.1 | | | |
| | 22 deg. | | | |
| Articulation (both right and left) | 3 | Inboard-mounted planetary sealed in cooled, filtered oil | | |
| Final Drives | Inboard-mounted planetary sealed in coo | | 1 1 1 6 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | |
| _ | Inboard-mounted planetary sealed in coo Foot-controlled, hydraulically operated, mu | ltiple wet-disc brakes sealed in pressuri | zed, cooled, filtered oil; both independent | |
| Final Drives Brakes | Inboard-mounted planetary sealed in coor Foot-controlled, hydraulically operated, mu systems effective on all 4 tandem wheels | Itiple wet-disc brakes sealed in pressuri | | |
| Final Drives | Inboard-mounted planetary sealed in coo Foot-controlled, hydraulically operated, mu | ltiple wet-disc brakes sealed in pressuri : n pivot, self-adjusting, sealed in coole | ed and filtered oil, multi-disc (ISO 3450) | |





Hydraulics 672**G**P

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

Maximum Pump Flow 212 L/min. Maximum System Pressure 18 961 kPa Pump Displacement 90 cm³

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 Blade Side Shift (right or left) 678 mm

Pitch at Ground Line

Forward 42 deg. Back 5 deg. Shoulder Reach Outside Wheels (frame 2048 mm

straight, right or left)

Bank Cut Angle (right or left) 90 deg.

Blade Pull

22 453 kg At Maximum Operating Weight

Electrical

Solid-state load center and sealed-switch

module

Voltage 24 volt Number of Batteries **Battery Capacity** 1,400 CCA 440 min. Reserve Capacity 224 amp-hour Amp-Hour Rating Alternator Rating 200 amp

Lights Driving lights; high- and low-beam LED 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 Height (minimum) 307 mm

Thickness

Side 16 mm Top and Bottom Plate 23 mm

Modulus Minimum Vertical Section

Average Vertical Section at Saddle 2245 cm³

Draft Frame (drawbar)

Welded box construction machined for flatness and double ball-and-socket pivot connection

1445 cm³

Welded construction, heat-treated, and machined for flatness

Standard Circle Premium Circle Circle Diameter 1524 mm 1524 mm Rotation 360 deg. 360 deg. Surface Quick-change bronze or nylon wear inserts Sealed and lubricated roller element slewing bearing

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 787 mm

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 Height (measured along arc, including 610 mm

cutting edge)

Thickness 22 mm

672GP

| Cutting Edge | 672 G P | |
|--|---|---|
| Dura-Max™ through-hardened steel edge | V | |
| Thickness | 16 mm | |
| Width | 152 mm | |
| Scarifier | At 1 | |
| | Mid-mount | |
| Туре | Radial linkage, with NeverGrease™ pin joints; V-type man | ual 3-pitch position with hydraulic float |
| Width of Cut | 1.19 m | |
| Number of Shanks/Teeth | 11 | |
| Lift Above Ground | 335 mm | |
| Maximum Depth | 325 mm | |
| Shank | | |
| Spacing | 117 mm | |
| Size | 25 x 76 mm | |
| Front Dozer Blade | | |
| Parallel linkage, hydraulic float | | |
| Lift Above Ground | 706 mm | |
| Rear Ripper/Scarifier | | |
| Parallel linkage, with NeverGrease pin joints, | hydraulic float, and integrated hitch | |
| | Ripper | Scarifier |
| Width of Cut | 2.21 m | 2.18 m |
| Number of Shanks/Teeth | 3 (maximum capacity 5) | None standard (maximum capacity 9) |
| Lift Above Ground | 602 mm | 810 mm |
| Maximum Depth | 426 mm | 323 mm |
| Force | | |
| Penetration | 9866 kg | - |
| Pry-Out | 13 526 kg | _ |
| Shank Size | 61.5 x 133 mm | 25 x 76 mm |
| Operator Station | | |
| Low-profile cab with ROPS (ISO 3471-2008) a | and FOPS (ISO 3449-2005) | |
| Tires/Wheels | | |
| | 14R24 on 254-mm Rim | 17.5R25 on 356-mm Rim |
| Wheel Treed on C | | |
| while it is a discount of the control of the contro | 2.08 m | 2.16 m |
| | 2.08 m | 2.16 m 2.64 m |
| Wheel Tread on Ground Overall Width Ground Clearance (front axle) | 2.49 m | 2.64 m |
| Overall Width Ground Clearance (front axle) | | |
| Overall Width Ground Clearance (front axle) Serviceability | 2.49 m | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities | 2.49 m 587 mm | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank | 2.49 m 587 mm | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank | 2.49 m 587 mm 416.5 L 22.5 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each) | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System Engine Oil With Filter Transmission Fluid Differential Housing Tandem Housings (each) Circle Gearbox Hydraulic Reservoir Operating Weights | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L 4821 kg 12 295 kg 17 116 kg | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other Equipment | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L 4821 kg 12 295 kg 17 116 kg | 2.64 m |
| Overall Width Ground Clearance (front axle) Serviceability Refill Capacities Fuel Tank Diesel Exhaust Fluid (DEF) Tank Cooling System 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 Moldboard With 152-mm x 16-mm Cutting Edges, 14R24 L2 Tires, and 79-kg Operator Front Rear Total Typical Operating Weight With Front Dozer Blade, Rear Ripper/Scarifier, and Other Equipment Front | 2.49 m 587 mm 416.5 L 22.5 L 55.0 L 28.4 L 28.4 L 38.0 L 74.0 L 5.7 L 60.5 L 4821 kg 12 295 kg 17 116 kg | 2.64 m |

| Option Weights | 672 G P |
|---|----------------|
| Moldboards With Through-Hardened Dura-Max | |
| Cutting Edge | |
| 3.66 m x 610 mm x 22 mm With 152-mm x 16-mm | 0 kg |
| Cutting Edge and 16-mm Hardware | |
| 3.66 m x 610 mm x 22 mm With 203-mm x 19-mm | 45 kg |
| Cutting Edge and 16-mm Hardware | |
| 4.27 m x 610 mm x 22 mm With 152-mm x 16-mm | 105 kg |
| Cutting Edge and 16-mm Hardware | |
| 4.27 m x 610 mm x 22 mm With 203-mm x 19-mm | 157.4 kg |
| Cutting Edge and 16-mm Hardware | |
| 4.27 m x 686 mm x 25 mm With 203-mm x 19-mm | 251 kg |
| Cutting Edge and 16-mm Hardware | |
| 4.27 m x 686 mm x 25 mm With 203-mm x 19-mm | 261 kg |
| Cutting Edge and 19-mm Hardware | |
| Extensions, 610 mm (right or left) | |
| For Use With 610-mm Moldboards | 116 kg |
| For Use With 686-mm Moldboards | 120 kg |
| Overlay End Bits, Reversible (one pair) | |
| For 152-mm Cutting Edge | 19.5 kg |
| For 203-mm Cutting Edge | 23 kg |
| Heavy-Duty Dual-Input Circle-Drive Gearbox | 14 kg |
| Circle-Drive Slip Clutch | 9 kg |
| Circle | |
| Standard | 0 kg |
| Premium | 289 kg |
| Moldboard Impact-Absorption System | 43 kg |
| Ripper/Scarifier, Rear Mounted With Hitch and Ripper | 1139 kg |
| Shanks (3) | |
| Scarifier Shanks With Teeth (9 for rear ripper/scarifier) | 68 kg |
| Ripper Shanks and Teeth (2) | 63 kg |
| Rear Counterweight With Integral Rear Hitch | 727 kg |
| Machine Dimensions | |
| A Height to Top of Cab | 3.18 m |
| A ^I Height to Top of Full-Height Cab | 3.40 m |
| B Height to Top of Exhaust | 3.10 m |
| C Height to Top of Blade-Lift Cylinders | 3.05 m |
| D Tandem Axle Spacing | 1.54 m |
| E Blade Base | 2.57 m |
| | |

| Option Weights (continued) | 672 G P |
|--|----------------|
| Rear Hitch | 54.4 kg |
| Push Block, Front | 1338 kg |
| Scarifier, Mid-Mount With Teeth (11) | 1481 kg |
| Front Dozer Blade | 1039 kg |
| Tires | .coo ng |
| 14.00-24, 12 PR G2 | –220.4 kg |
| 17.5-25. 12 PR G2/L2 | –106 kg |
| 14.00-R24, Radial, G2/L2 General Purpose | 0 kg |
| 14.00-R24, Radial, G2/L2 Snow | 40.8 kg |
| 17.5-R25, Radial, L2 General Purpose | 51.7 kg |
| 17.5-R25, Radial, G2/L2 Snow | 95.3 kg |
| 17.5-R25, Radial, G3/L3 General Purpose | 141.5 kg |
| Multi-Piece Rims | |
| 254 mm x 610 mm | 0 kg |
| 356 mm x 635 mm | 85.3 kg |
| Fenders | |
| Front | 99 kg |
| Rear | 141 kg |
| Low Cab With Opening Front and Side Windows | 14.5 kg |
| Premium Air-Suspension, Heated Seat With Adjustable | 13 kg |
| Arm- and Headrests | _ |
| Coolant Heater | 4 kg |
| Quick Service | 11 kg |
| Secondary Steering | 26 kg |
| Beacon Bracket | 8 kg |
| Fire Extinguisher | 14.5 kg |
| Lighting Packages – 16 LED Lights | 7 kg |
| Front and Rear Light Bar Extensions | 48 kg |
| Auxiliary Hydraulic Control Valve Section and Controls | 7 kg |
| Hydraulics for Front-Mounted Equipment | 9 kg |
| Machine Dimensions (continued) | |
| F Wheelbase | 6.16 m |
| G Overall Length | 8.89 m |
| H Overall Length With Push Block and Ripper | 9.99 m |
| HI Overall Length With Front-Mounted Blade and Ripper | 10.60 m |
| For Overall Width see Tires/Wheels on page 20. | |

