



772G 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	153 kW (205 hp)
Gear 2	164 kW (220 hp)
Gear 3	175 kW (235 hp)
Gear 4	183 kW (245 hp)
Gear 5	187 kW (250 hp)
Gear 6	194 kW (260 hp)
Gear 7	201 kW (270 hp)
Gear 8	194 kW (260 hp)*

Net Peak Torque
1 300 Nm (959 lb.-ft.)

Net Torque Rise
57%

Aspiration
Turbocharged, charge-air cooled

Lubrication
Full-flow spin-on filter and integral cooler

Air Cleaner with Restriction Indicator
Dual element, dry
*6WD not available

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

Precision Mode
Effective Gears: 1-3 forward only

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

Hydrostatic Pumps (2 each)
60 cm³ (3.7 cu. in.)

Wheel Motors
60 cm³ (3.7 cu. in.)

Final Reduction
38,7:1

Transmission

Direct-drive John Deere PowerShift Plus™, modulated shift-on-the-go, Event-Based 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, 14.0-R24 tyres

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:
1 770 cm³ (108 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):
686 mm (27 in.)

Thickness:
25 mm (1 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: 9 781 kg (21,564 lb.)

Pry-Out

Ripper: 13 991 kg (30,845 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:

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

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

Engine Oil with Filter:
27,0 L (7.1 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, 14R24 L2 Tyres, and 79-kg (175 lb.)

Operator:

Front: 4 930 kg (10,869 lb.)
Rear: 11 937 kg (26,317 lb.)
Total: 16 867 kg (37,185 lb.)

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

Front: 6 177 kg (13,618 lb.)
Rear: 13 427 kg (29,602 lb.)
Total: 19 604 kg (43,220 lb.)

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

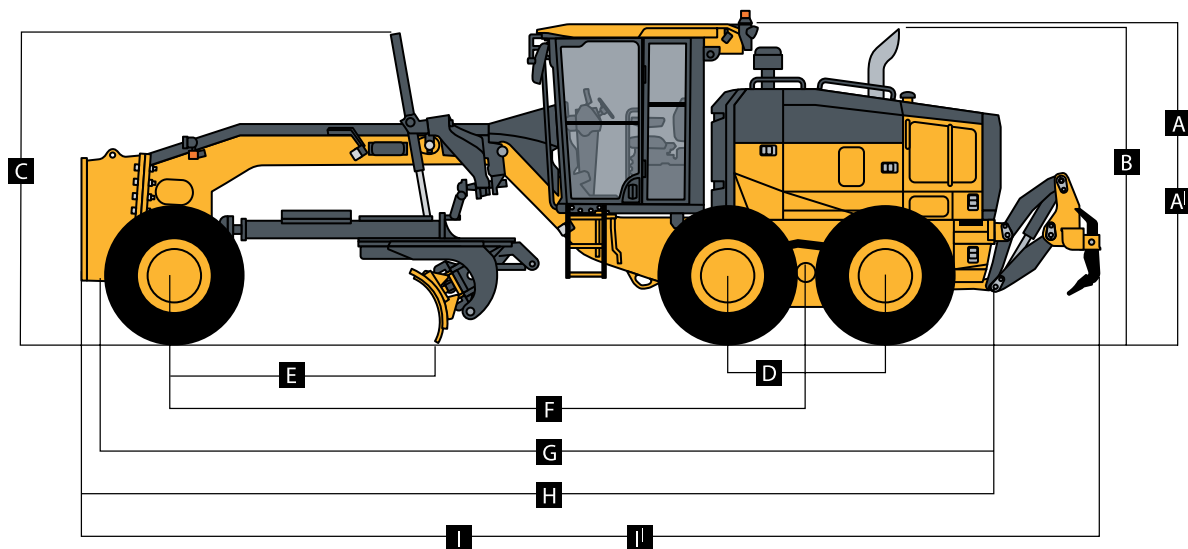
MACHINE DIMENSIONS

A	Height to Top of Cab	3,18 m (10 ft. 5 in.)
AI	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	2,57 m (8 ft. 5 in.)

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 Tyres/Wheels



Option Weights

772G 4WD

Moldboards with Through-Hardened Dura-Max Cutting Edge

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.)

Extensions, 610 mm (2 ft.) (right or left)

For Use with 610 mm (24 in.) Moldboards.....	116 kg (255 lb.)
For Use with 686 mm (27 in.) Moldboards.....	120 kg (265 lb.)

Overlay End Bits, Reversible (one pair)

For 152 mm (6 in.) Cutting Edge.....	19,5 kg (43 lb.)
For 203 mm (8 in.) Cutting Edge.....	23 kg (51 lb.)

Heavy-Duty Dual-Input Circle-Drive Gearbox.....	14 kg (31 lb.)
Circle-Drive Slip Clutch	9 kg (20 lb.)
Moldboard Impact-Absorption System.....	43 kg (95 lb.)
Ripper/Scarifier, Rear Mounted with Hitch and Ripper Shanks (3).....	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.)

Scarifier

Front Mount with Teeth (5).....	831 kg (1,833 lb.)
Mid-Mount with Teeth (11).....	1 481 kg (3,265 lb.)

Front Lift Group (Balderson-style).....	763 kg (1,682 lb.)
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Tyres

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.)
550/65R25 XLD70 G3/L3 Radial, General Purpose.....	495,3 kg (1,092 lb.)

Multi-Piece Rims

254 mm x 610 mm (10 in. x 24 in.).....	0 kg (0 lb.)
356 mm x 635 mm (14 in. x 25 in.).....	85,3 kg (188 lb.)
432 mm x 635 mm (17 in. x 25 in.).....	131,6 kg (290 lb.)

Fenders

Front.....	77 kg (169 lb.)
Rear	141 kg (310 lb.)

Low Cab with Opening Front and Side Windows	14,5 kg (32 lb.)
Premium Air-Suspension, Heated Seat with Adjustable 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.)

Lighting Packages

10 Halogen Lights	4,5 kg (10 lb.)
16 Halogen Lights.....	7 kg (16 lb.)
18 Halogen Lights	8 kg (18 lb.)

High-Front Light Bar for Snowplowing.....	20 kg (44 lb.)
Auxiliary Hydraulic Control Valve Section and Controls.....	7 kg (15 lb.)
Hydraulics for Front-Mounted Equipment.....	9 kg (19 lb.)