

John Deere 872G/GP Motor Grader

Driveline

Engine Manufacturer	John Deere
Engine Model	PowerTech PSS 9.0L
Displacement, ltr (Inches)	9 (548)
Engine Output - Net, kW (hp)	224 (300)
Torque Rise, %	51
Transmission Manufacturer	John Deere
Number Of Speeds - Forward	8
Number Of Speeds - Reverse	8
Tire size - Standard	14.00 - 24
Service Brake Type	Multiple Wet Discs
Service Brake Actuation	Hydraulic

Dimesions

Overall Length, mm (ft/in)	8890 (29 ft 2 in)
Height Over ROPS, mm (ft/in)	3180 (10 ft 5 in)
Wheelbase, mm (ft/in)	6160 (20 ft 3 in)
Bladebase, mm (ft/in)	2530 (8 ft 4 in)
Moldboard Height, mm (inches)	686 (27)
Width - Moldboard, mm (ft/in)	4270 (14 ft)
Frame Circle Diameter, mm (inches)	1524 (60)
Thickness - Moldboard, mm (inches)	25 (1)
Moldboard Sideshift - Right, mm (inches)	683 (26.9)
Moldboard Sideshift - Left, mm (inches)	683 (26.9)
Shoulder Reach - Right, mm (ft/in)	2329 (7 ft 8 in)
Shoulder Reach - Left, mm (ft/in)	2329 (7 ft 8 in)
Circle Rotation,	360
Bank Angle,	90
Hydraulic Blade Tip - Forward,	42
Hydraulic Blade Tip - Rearward,	5
Moldboard - Lift Above Ground, mm (inches)	452 (17.8)
Turning Radius - Minimum, m (ft/in)	7.21 (23 ft 8 in)
Frame Articulation,	22

Capacities

Fuel Tank, ltr (gallons (US))	416.5 (110)
Hydraulic Tank, ltr (gallons (US))	60.5 (16)

Performance

Loading - Front Axle, kg (lbs)	5094 (11230)
Loading - Rear Axle / Tandem, kg (lbs)	12891 (28420)
Speed 8 - fwd, kph (mph)	45 (28)
Speed 8 - rev, kph (mph)	45 (28)
System Voltage, V	24
Pump Flow, lt/min (gallons (US) / min)	218 (57.5)
Relief Pressure, kPa (PSI)	18961 (2750)

Weights

Weight With Push Block & Ripper, kg (lbs)	21187 (46710)
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