

6M 230

Key Specs

Engine Description - John Deere PowerTech™ PSS
Engine Displacement - 6.8 L
Rated Engine Power - 169.0 kW
Maximum engine power - 186.0 kW
Transmission Type - Standard: Infinitely variable transmission (IVT™) 40km/h Optional: IVT 50 km/h
Hydraulic pump rated output - Standard: 60 cc pump: 155 L/min (41 gpm) Optional: 85 cc pump: 195 L/min (51 gpm)
Base machine weight - 9300.0 kg

Engine specifications

Engine Description - John Deere PowerTech™ PSS
Engine type - 6068HL550
Engine family - PSS
Rated speed - 2100.0 rpm
Aspiration - Dual turbochargers, variable geometry turbo with fixed geometry turbo in series
Emission level - Stage V
After treatment type - Diesel particle filter (DPF) with diesel oxidation catalyst (DOC) and selective catalytic reduction (SCR) using diesel exhaust fluid (DEF)
Engine Displacement - 6.8 L

Engine performance

Rated Engine Power - 169.0 kW
Transport and/or mobile PTO applications - Additional engine power (hp ISO) at 2100 rpm: 14.9 kW 20 hp

Engine performance

Maximum engine power - 186.0 kW

Engine peak torque - 1077.0 Nm

PTO torque rise - 40.0 %

Transmission

Transmission Type - Standard: Infinitely variable transmission (IVT™) 40km/h
Optional: IVT 50 km/h

Reverser - Electronic left-hand reverser

Creeper - Not available

Hydraulic system

Type - Standard/optional: Pressure-and-flow compensated (PFC) system with Load Sensing function

Hydraulic pump rated output - Standard: 60 cc pump: 155 L/min (41 gpm)
Optional: 85 cc pump: 195 L/min (51 gpm)

Number of rear selective control valves (SCVs) - Standard: Two ISO couplers
Optional: Two to four ISO couplers

Number of mid selective control valves (SCVs) - Up to three

Joystick SCV control - Mechanical/electrical

SCV control - Hydrostatic

Rear hitch

Maximum lift capacity behind lift points - 9900 kg

Sensing type - Electronic at lower link

Rear axle differential lock - Electrohydraulically with oil-cooled clutch

Drawbar

Drawbar category - Category 3

Maximum vertical load - Maximum vertical load dependent on drawbar position 1800-3000 kg

Rear Power Take-off (PTO)

Type - Electrohydraulically operated, oil-cooled, multi-disc design

Engine rpm (at rated PTO speeds) - 540 PTO: 1960 rpm
1000 PTO: 1960 rpm rpm

PTO actuation - In-cab switch and optional external fender-mounted remote control

Front hitch

Category - 3N

Standard lift capacity - 4400.0 kg

Front power take-off - Electrohydraulically engaged with oil-cooled, multi-disc design

PTO speed - 1000.0 PTO

PTO speed - 1967.0 rpm

Rear axle

Type - Standard: Rack-and-pinion rear axle - 100-mm (3.94 in.) shaft (2550-mm/100.4 in.)
Optional: flange-type rear axle
Rack-and-pinion rear axle - 100-mm (3.94 in.) shaft (3009-mm/118.5 in.)

Final drive type - Three planetary gear reduction

Rear differential lock - Electrohydraulically with oil-cooled clutch

Front axle

Front axle differential lock - Standard: Self-locking differential
Optional: hydraulic actuated

Tires

Front - 600 / 70R30 (SRI 750)

Rear - 800 / 70R38 (SRI 975)

Steering

Type - Dynamic load sensing, hydrostatic, flow metering

Electrical System

Alternator size - 14.0 V

Battery options - 12.0 V

Operator station

Gearshift location - console/floor - Console

Seat - Standard: Standard seat with air suspension
Optional: Economy seat with mechanical suspension

Cab suspension - Optional: Mechanical Cab Suspension (MCS)

Instructional seat - Optional

Radio - Standard: Standard AM/FM stereo

Operator station

Inner cab volume - 2.7 3¥
dB(A) rating - 70 dBA
Cab glass area - 4.85 3¡

Dimensions

Wheelbase - 2900.0 mm
Overall width - 2550.0 mm
Overall length - 5084.0 mm
Overall height - 3200.0 mm
Front axle center - 545.0 mm
Approximate shipping weight - Cab - 8500.0 kg

Weight

Base machine weight - 9300.0 kg
Base machine weight - Front axle - 3840.0 kg
Base machine weight - Rear axle - 5760.0 kg
Base machine weight - Total - 9500.0 kg
Maximum permissible weight - 14200.0 kg

Capacities

Crankcase oil volume - 23.5 L
Fuel tank capacity - 410.0 L
Diesel exhaust fluid (DEF) tank - 25.0 L
Cooling system - 34.0 L
Transmission-hydraulic system - 80.0 L

Serviceability

Interval for engine oil change - 750.0 hr
Interval for hydraulic/transmission oil change - 1500.0 hr
Interval for engine coolant change - 6000.0 hr

Precision AG

Guidance - Optional: AutoTrac™ with Universal Display
Telematic - Standard: JDLink™

Precision AG

Remote diagnostics - Standard: JDLink™

Miscellaneous

Country of manufacture - Germany

Additional information

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