



6R 250

Key Specs

Engine Make - John Deere PowerTech™ PSS

Engine Family - SJDXL06.8309

Displacement - 6.8 L

Rated Engine Power - 184 kW

Rated Engine Power - 253 PS

Maximum Engine Power - 202 kW

Maximum Engine Power - 275 PS

Transmission Type - AutoPower™

Rear Hitch Category (SAE Designation) - Category 3N

Pump Rated Output - 195 L 51.5 gal.

Base Machine Weight - 9300 kg

Machine Configuration

Wheel or Track Configuration - Wheel

Drive Type - 4WD

Engine

Engine Make - John Deere PowerTech™ PSS

Engine Family - SJDXL06.8309

Emissions Certifications - Stage V

Displacement - 6.8 L

Aspiration - Dual turbochargers, variable geometry turbocharger and fixed turbo in series

Engine

Number of Cylinders - 6

Cylinder Liners - Wet-sleeve

Aftertreatment Type - Lifetime diesel particle filter (DPF), diesel oxidation catalyst (DOC), and selective catalytic reduction (SCR) using diesel exhaust fluid (DEF)

Intelligent Power Management (IPM) - 40 hp

Rated Engine Speed - 2100 rpm

Rated Engine Power - 184 kW

Rated Engine Power - 253 PS

Engine Torque at Rated Speed - 1171 Nm

Maximum Engine Power - 202 kW

Maximum Engine Power - 275 PS

Maximum Engine Power PS (HP ISO) at Maximum Engine Speed (EU 2016/1628) - 202 kW

Maximum Engine Power PS (HP ISO) at Maximum Engine Speed (EU 2016/1628) - 278 PS

Maximum Engine Torque - At 1600 rpm: 1732 Nm 1277 lb-ft

Power Bulge - 10 %

Fuel Type - Diesel

Torque Rise - 40 %

Transmission

Transmission Type - AutoPowr™

Maximum Speed Forward - 42 km/h (26 mph)

Minimum Speed Forward - 0.05 km/h (0.03 mph)

Creeper - Available

Reverser - Electrical

Clutch - Wet

Rear Power Take-Off (PTO)

Rated PTO Power - 150 kW

Rated PTO Power - 204 PS

Engine rpm at Rated PTO Speeds (540/1.000) - 1950

Engine rpm at Rated PTO Speeds (540/540E/1.000) - 1950/1761/1950

Engine rpm at Rated PTO Speeds (540E/1000/1.000E) - 1761/ 1950/ 1756

Engagement Method - Electrohydraulically engaged

Front PTO

PTO Speed - 1000

Front PTO Rotation - Clockwise (from driving position)

Engine rpm (at Rated PTO Speeds) - 1965 rpm

Front Hitch

Front Hitch Category - Category 3N

Lift Capacity Through Full Lift Range at Coupling Points - 3300 kg

Maximum Lift Capacity at Coupling Points - 5000 kg

Number of Front Selective Control Valves (SCVs) - 1

Electric Power - Seven-pin electrical socket; Optional: Three-pin and ISOBUS socket

Rear Hitch

Rear Hitch Category (SAE Designation) - Category 3N

Maximum Lift Capacity Directly at Coupling Points - 10400 kg / 22925 lb

Sensing Type - Electronic lower link sensing; load and depth control, infinite mix, float

Drawbar

Drawbar Category - Category 3

Maximum Vertical Load - Category 3: 1800-3000 kg (4000-6600 lb); Maximum vertical load dependent on drawbar position

Hydraulics

Hydraulic System Type - Pressure-and-flow compensated (PFC) system with load sensing function

Pump Rated Output - 195 L 51.5 gal.

Number of Rear Selective Control Valves (SCVs) - 6

Available Flow at a Single Rear SCV - 30.6 gal.

Hydraulics Number of Mid Selective Control Valves (SCVs) - 3

SCV Control - Mechanical/electrical

Auxiliary Hydraulic Features - Joystick SCV control available

Front Axle

Front Axle Type - TLS, TLS with brakes

Front Axle Differential Lock - Self-locking differential

Rear Axle

Rear Axle Type - Flange axle/rack and pinion axle

Rear Differential Lock - Electrohydraulic with oil-cooled clutch

Differential Controls - Full-locking electrohydraulic

Final Drive - Three planetary gear reduction

Steering & Brakes

Steering Type - Dynamic load sensing, hydrostatic, flow metering, Variable Ratio Steering optional

Primary Brakes - Oil-cooled, self-equalizing, self-adjusting, and hydraulically actuated

Tires

Rear Tires Size - 520/85R42 R1W

Wheel Tread Range - MFWD: With TLS and brakes: 2370 in. (93.3 in.)

Electrical System

Battery Voltage - 12 V

Battery Cold Cranking Amps - 1850 CCA

Alternator Capacity - Standard: 250 amp; Optional: 250 amp

Working Lights - Standard: 14 halogen; Available: 12 light-emitting diode (LED) plus two halogen

Driving Lights - Halogen / LED

Operator Station

Db(A) Rating - 71 dBA

Seat Suspension - Standard: Air suspension; Optional: Deluxe air suspension

Degree of Seat Swivel, Left Hand - 7 degree (angle)

Degree of Seat Swivel, Right Hand - 15 degree (angle)

Cab Suspension - Mechanical cab suspension (MCS), Adaptive Hydraulic Cab Suspension (HCS) Plus optional

Instructional Seat - Suspended/unsuspended

Primary Display - Integrated Generation 4 4200 CommandCenter™ Display: 21.3 cm 8.4 in. Integrated Generation 4 4600 CommandCenter Display: 25.4 cm 10 in.

Radio - Standard

Inner Cab Volume - 3.33 m³

Cab Glass Area - 6.11 m²

Capacities

Capacities

Fuel Tank Capacity - 470 L

Diesel Exhaust Fluid (DEF) Tank Capacity - 25.0 L

Cooling System Capacity - 34 L

Transmission - Hydraulic System - 195 L

Crankcase Oil Volume - 24 L

Dimensions & Weights

Wheelbase - 2900 mm

Base Machine Weight - 9300 kg

Overall Height - 3250 mm

Overall Width - 1892 mm

Overall Length - 5190 mm

Maximum Permissible Weight - 15000 kg

Additional Information

Country of Manufacture - Germany

Date Collected - 2021-Nov-02