



6R 175

Key Specs

Engine Description - John Deere PowerTech PVS

Engine Displacement - 6.8 L

Rated Engine Power - 129.0 kW

Maximum Engine Power - 142.0 kW

Transmission Type - AutoQuad PLUS, AutoQuad PLUS ECO Shift, AutoPowr, DirectDrive

Hydraulic Pump Rated Output - 114/155 L (30/41 gal.)

Rear Hitch Category (SAE Designation) - Category 3

Base Machine Weight - 8300.0 kg

Engine Specifications

Engine Description - John Deere PowerTech PVS

Rated Speed - 2100.0 rpm

Aspiration - Variable geometry turbocharger

Cylinders Liners - Six

Emission Level - Stage V

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

Engine Displacement - 6.8 L

Engine Performance

Rated Engine Power - 129.0 kW

Maximum PTO Power - 137.0 kW

Maximum Engine Power - 142.0 kW

Engine Performance

Engine Peak Torque - 819.0 Nm

PTO Torque Rise - 40.0 %

Transmission

Transmission Type - AutoQuad PLUS, AutoQuad PLUS ECO Shift, AutoPowr, DirectDrive

Reverser - Electrical

Clutch - Wet/Dry - Wet

Creeper - Available

Hydraulic System

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

Hydraulic Pump Rated Output - 114/155 L (30/41 gal.)

Available Flow At A Single Rear SCV - 100.0 L/min

Number Of Rear Selective Control Valves (SCVs) - M-SCVs: Four
E-SCVs: Six

Number Of Mid Selective Control Valves (SCVs) - Three

Number Of Front Selective Control Valves (SCVs) - One

Joystick SCV Control - Mid/rear

SCV Control - Mechanical/electrical

Rear Hitch

Remote Control Valves Available - Yes, third

Rear Hitch Category (SAE Designation) - Category 3

Maximum Lift Capacity Behind Lift Points - 9550.0 kg

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

Rear Axle Differential Lock - Electrohydraulic with oil-cooled clutch

Drawbar

Drawbar Category - Category 3

Maximum Vertical Load - 2100.0 kg

Rear Power Take-off (PTO)

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

Engine RPM (At Rated PTO Speeds) - 1950.0 rpm

Rear Power Take-off (PTO)

Multispeed PTO Option Availability - 540/540E/1000 or 540/1000/1000E

PTO Actuation - Electrohydraulically engaged

Front Hitch

Category - Category 3N

Standard Lift Capacity - 4000.0 kg

Front Power Take-Off - Option

PTO speed - 1000.0 rpm

Rear Axle

Type - Flange axle/rack and pinion axle

Final Drive Type - Three planetary gear reduction

Brakes, Type And Control - Oil-cooled, self-equalizing, self-adjusting, and hydraulically actuated

Rear Differential Lock - Electrohydraulic with oil-cooled clutch

Load Rating - 7270.0 kg

Front Axle

Front Axle Differential Lock - Self-locking differential

Load Rating - 6960.0 kg

Tires

Rear - 800/70R38 (SRI 975)

Steering

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

Operator Station

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

Instructional Seat - Suspended/unsuspended

Display - 21.3 cm

Inner Cab Volume - 3.3 m³

dB(A) Rating - 70 dBA

Cab Glass Area - 6.11 m²

Dimensions

Wheelbase - 2800.0 mm

Overall Length - 5050.0 mm

Overall Height - 3160.0 mm

Weight

Base Machine Weight - 8300.0 kg

Base Machine Weight - Front Axle - 3320.0 kg

Base Machine Weight - Rear Axle - 4980.0 kg

Maximum Permissible Weight - 12700.0 kg

Capacities

Crankcase Oil Volume - 23.5 L

Fuel Tank Capacity - 421/324 L (111/85 gal.)

Diesel Exhaust Fluid (DEF) Tank - 20.0 L

Cooling System - 28.0 L

Coolant Type - Cool-Gard™ II

Degree Of Freeze Protection - Cool-Gard II 60/40: -52 °C (-62 °F)

Transmission-Hydraulic System - 71.0 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

Additional Information

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