



6R 155

## Key Specs

Engine Description - John Deere PowerTech PVS

Engine Displacement - 6.8 L

Rated Engine Power - 114.0 kW

Maximum Engine Power - 125.0 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 3/3N

Base Machine Weight - 8120.0 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 - 114.0 kW

Maximum PTO Power - 122.0 kW

Maximum Engine Power - 125.0 kW



## Engine Performance

Engine Peak Torque - 726.0 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 3/3N

Maximum Lift Capacity Behind Lift Points - 8100.0 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 2

Maximum Vertical Load - 1600.0 kg

## Rear Power Take-off (PTO)

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

Engine RPM (At Rated PTO Speeds) - 1987.0 rpm



## Rear Power Take-off (PTO)

Multispeed PTO Option Availability - 540/540E/1000

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 - 6160.0 kg

## Tires

Rear - 710/70R38 (200)

## Steering

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

## Operator Station

Degree Of Seat Swivel, Left Hand - 7.5 degrees

Degree Of Seat Swivel, Right Hand - 15.0 degrees

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 3¥

dB(A) Rating - 70 dBA



## Operator Station

Cab Glass Area - 6.11 m<sup>2</sup>

## Dimensions

Wheelbase - 2765.0 mm

Overall Length - 4930.0 mm

Overall Height - 2950.0 mm

## Weight

Base Machine Weight - 8120.0 kg

Base Machine Weight - Front Axle - 3248.0 kg

Base Machine Weight - Rear Axle - 4872.0 kg

Maximum Permissible Weight - 11750.0 kg

## Capacities

Crankcase Oil Volume - 23.5 L

Fuel Tank Capacity - Fuel tank capacity

Diesel Exhaust Fluid (DEF) Tank - 16.0 L

Cooling System - 27.4 L

Coolant Type - Cool-Gard™ II

Degree Of Freeze Protection - Degree of freeze protection

Transmission-Hydraulic System - 63.0 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

Date Collected - 2021-11-02T21:15:00

