

REVISED-John Deere 8R 340 Tractor Specifications

Respondents must be John Deere certified dealers.

- A. Make: John Deere
- B. Model: 8R 3401
- C. Description: LG Tractor
- D. Fuel Type/Capacity: 05/192
- E. Color: Green
- F. Engine Model: 9.0 Liter (L)
- G. Transmission Type: MFWD (Mechanical Front Wheel Drive)
- H. Wheel Base: 121
- I. Length: 261
- J. Delivery Address: West TN River Basin Authority, 3628 East End Dr., Humboldt, TN 38343
- K. Bid must include cost for all freight and delivery.
- L. All options standard unless Optional is noted below.

KEY SPECS

- Engine description: John Deere PowerTech™ 9.0 L (B20 diesel compatible)
- Engine displacement: 9.0 L549 cu in.
- Rated engine power: ECE-R120: 250 kW340 horsepower (hp)
- Maximum engine power: ECE-R120: 275 kW374 hp
- Rated PTO power (hp Society of Automotive Engineers (SAE)): 211 kW284 hp
- Transmission type: Standard: e23™ PowerShift™ with Efficiency Manager™ 40K, 40 km 24.9 miles per hour (mph)
- Hydraulic pump rated output: 85-cc plus 35-cc dual pump: 318 L/min 84 gpm
- Rear hitch category (SAE designation): Standard: Category 4N/3 standard lift at 610 mm (24 in.) behind hitch point: 9072 kg20,000 lb
- Base machine weight: Independent Link Suspension (ILS™)/e23: 12,700 kg28,000 lb

ENGINE SPECIFICATIONS

- Description: John Deere PowerTech 9.0 L (B20 diesel compatible)
- Engine type: In-line six, four valve
- Engine family: MJDXL09.0333
- Rated speed: 2100 revolutions per minute (rpm)
- Aspiration: Single, variable geometry turbo; air-to-air aftercooling and cooled exhaust gas recirculation
- Cylinders liners: Wet-sleeve
- Emission level: Final Tier 4

- After treatment type: Diesel oxidation catalyst (DOC)/diesel particulate filter (DPF)/selective catalytic reduction (SCR)
- Displacement: 9.0 L549 cu in.

ENGINE PERFORMANCE

- Rated power: ECE-R120: 250 kW340 hp
- Rated PTO power (hp SAE): 211 kW284 hp
- Power boost: 10 percent
- Maximum engine power: ECE-R120: 275 kW374 hp
- Engine peak torque: At 1600 rpm: 1592 Nm1174 lb-ft
- PTO torque rise: 40 percent

TRANSMISSION

- Type: Standard: e23 PowerShift with Efficiency Manager 40K, 40 km/h 24.9 mph

HYDRAULIC SYSTEM

- Type: Closed-center, pressure/flow compensated system with load sensing
- Pump rated output: Optional: 85-cc plus 35-cc dual pump: 318 L/min 84 gpm
- Available flow at a single rear SCV: 1.3-cm (1/2-in.) couplers: 132 L/min 35 gpm1.9-cm (3/4-in.) coupler: 159 L/min 42 gpm
- Available flow at front SCVs: 96 L/min 25 gpm
- Number of rear selective control valves (SCVs): Standard: 1.3-cm (1/2-in.) ISO couplers: 4
- SCV control: Electronic

REAR HITCH

- Hitch category (SAE designation): Standard: Category 4N/3 standard lift at 610 mm (24 in.) behind hitch point: 9072 kg 20,000 lb
- Maximum lift capacity behind lift points: Standard (at 610-mm [24-in.] behind hitch point): 12,124 kg 26,729 lb
- Sensing type: Electrohydraulic
- Rear axle differential lock: Electrohydraulic

DRAWBAR

- Drawbar category: Standard: Category 4

REAR POWER TAKE-OFF (PTO)

- Type: Independent Standard: 44 mm (1.75 in.) 20-spline, 1,000 rpm
- Engine rpm (at rated Power Take Off (PTO) speeds): IVT: 1,000 PTO rpm at 2,000 engine rpm, PowerShift: 1,000 PTO rpm at 1,995 engine rpm, 1,000 ECO PTO at 1,590 engine rpm, 540 PTO rpm at 1,810 engine rpm

- Multispeed PTO option availability: Available: 45-mm (1.75-in.), 1000-rpm and 1000E economy rpm PTO, in-cab shiftable
- PTO actuation: Electrohydraulic with adjustable modulation

FRONT HITCH- RESERVED

REAR AXLE

- Type: Standard: Rack-and-pinion, double flat, or flange axles
- Final drive type: Inboard planetary three pinion
- Rear differential lock: Full-locking electrohydraulic

FRONT AXLE

- Type: Standard: ILS
- Front axle differential lock: 1500 Series MFWD: Full-locking electrohydraulic ILS: Full-locking electrohydraulic

TIRES

- Wheel tread range: 1500 Series MFWD: 1524-3657 mm60-144 in. ILS: 1524-3657 mm
- Turning radius without brakes: 1500 with 420/850R34 Group 43 tires at 182.9-cm (72-in.) spacing: 5.71 m18.7 ft ILS with 480/70R34 Group 43 tires at 184.2-cm (72.5-in.) spacing: 6.45 m21.2 ft

STEERING

- Type: Standard: Hydraulic power-steering with electric pump back-up

ELECTRICAL SYSTEM

- Alternator size: Standard: 200 amp
- Battery options: 12 V
- Working lights: Standard: 18 halogen
- Type of bulb in headlight (~~Halogen, Xenon~~, LED) Standard: halogen, 65 W
- Total cold cranking amps: 1,850 CCA

OPERATOR STATION

- **Seat: ActiveSeat™ II**
- Cab suspension: Optional
- Instructional seat: Standard
- Display: Standard: 4600 Generation 4 CommandCenter™: 25.4 cm10 in. **or G5Plus CommandCenter**
- Radio: Standard: AM/FM stereo with weatherband, remote controls, auxiliary input jack, four speakers and external antenna
- Inner cab volume: 3.24 m3114 cu ft
- Cab glass area: 6.52 m270.18 sq ft

DIMENSIONS

- Wheelbase: MFWD: 3,080 mm 121.3 in. ILS: 3,050 mm 120.1 in.
- Overall length: 6,636 mm 261.3 in.
- Drawbar clearance: 376 mm 14.8 in.
- Front axle center: MFWD: 686 mm 27 in. ILS: 590 mm 23.2 in.

WEIGHT

- Base machine weight: ILS™/e23: 12,700 kg 28,000 lb
- Maximum ballast level: 20,000 kg 44,100 lb
- Maximum permissible weight: 20,000 kg 44,100 lb

CAPACITIES

- Crankcase oil volume: 1500 MFWD: 27.6 L 7.3 U.S. gal. ILS: 25.8 L 6.8 U.S. gal.
- Fuel tank: 727 L 192 U.S. gal. CTIS: 651 L 172 U.S. gal.
- Diesel exhaust fluid (DEF) tank: 37.2 L 9.8 U.S. gal.
- Cooling system: 42.3 L 11.2 U.S. gal.
- Transmission-hydraulic system: 1500 MFWD: 184.6 L 48.8 U.S. gal. ILS: 207.2 L 54.7 U.S. gal.

SERVICEABILITY

- Interval for engine oil change: 500 hours
- Interval for hydraulic/transmission oil change: 1,500 hours
- Interval for engine coolant change: 6,000 hours

LOADERS- RESERVED