



844 X-Tier

Key Specs

Net Peak Power - 1400.0 rpm

Net Peak Power At Rated RPM (ISO 9249) - 422.0 hp

Net Peak Torque - 1400.0 rpm

Net Peak Torque At Rated RPM (ISO 9249) - 1586.0 lb-ft

Serviceability

Parking Brake Oil (Wet Disc) Refill Capacity - 11.84 oz.

Diesel-Exhaust Fluid (DEF) Refill Capacity - 27.6 qt

Transmission Reservoir With Vertical Filter Refill Capacity - 14.0 gal.

Engine Oil With Vertical Spin-On Filter Refill Capacity - 64.4 qt

Cooling System Refill Capacity - 64.0 qt

Axle Oil Without Coolers (Front And Rear, Each) Refill Capacity - 18.0 gal.

Hydraulic Reservoir With Filter Refill Capacity - 51.7 gal.

Fuel Tank (With Lockable Cap) Refill Capacity - 141.0 gal.

Axles And Brakes

Tire Size Used To Measure Oscillation - 29.5 R 25, 1 Star L3 tires

Parking Brake (ISO 3450) - Automatic spring applied, hydraulically released, sealed wet multi disc

Final Drives - Heavy-duty mid-board planetary

Standard Differentials Rear - Conventional differential front and rear – standard; hydraulic locking front with conventional rear – optional; dual locking front and rear – optional

Rear Axle Oscillation, Distance Each Direction - 13.0 degrees

Rear Axle Oscillation, Stop To Stop - 26.0 degrees

Axles And Brakes

Standard Differentials Front - Conventional differential front and rear – standard; hydraulic locking front with conventional rear – optional; dual locking front and rear – optional

Service Brakes (ISO 3450) - Outboard, forced oil cooled, multi disc

Hydraulic System And Steering

Steering Type (ISO 5010) - Power, fully hydraulic; single-lever control and adjustable wristrest with conventional steering wheel override

Hydraulic Total Cycle Time - 11.4 seconds

Hydraulic Raise Cycle Time - 5.9 seconds

Hydraulic Lower (Power Down) Cycle Time - 3.6 seconds

Steering Articulation Angle Each Direction - 40.0 degrees

System Relief Pressure (Loader And Steering) - 3611.0 psi

Pump Type And System (Loader And Steering) - 2 variable-displacement, load-sensing axial-piston pumps; closed-center system

Turning Radius (Measured To Centerline Of Outside Tire) - 20.67 ft, in.

Steering Articulation Full Arc Angle - 80.0 degrees

Rated RPM - 2000.0 rpm

Max Rated Flow At Rated RPM - 52.7 gpm

Hydraulic Dump Cycle Time - 1.9 seconds

System Pressure At Max Rated Flow - 1000.0 psi

Loader Controls - 2-function valve; single- or dual-lever controls; control lever lockout feature; optional 3rd function valve with auxiliary levers

Pump (Steering) - 1 variable-displacement, load-sensing axial-piston pumps; closed-center system

Transmission System

Shift Modes - Auto (1st–4th or 2nd–4th); quick-shift button with 2 selectable modes: kick-down or kick-up/down

Shift Control - Electronically modulated, adaptive, load and speed dependent

Operator Interface - Steering-column or joystick-mounted F-N-R and gear-select lever; quick-shift button on hydraulic lever

Type - Electric Variable Transmission (EVT)

Engine

Displacement - 827.0 cu in.

Net Torque Rise - 53.0 %

Air Cleaner - Dual-element dry type, restriction indicator in cab monitor for service; additional centrifugal engine pre-cleaner

Engine

Net Peak Power - 1400.0 rpm

Fuel System (Electronically Controlled) - Electronic High Pressure Common Rail (HPCR)

Net Peak Power At Rated RPM (ISO 9249) - 422.0 hp

Aspiration - Single turbocharged, charge air cooled

Valves Per Cylinder - 4

Cylinders - 6

Manufacturer - John Deere

Lubrication - Full-flow spin-on filter and integral cooler

Net Peak Torque - 1400.0 rpm

Model - JD14

Net Peak Torque At Rated RPM (ISO 9249) - 1586.0 lb-ft

Non-Road Emission Standards - EPA Tier 4/EU Stage V

Cooling

Fan Drive Type - Hydraulically driven, proportionally controlled, fan aft of coolers, automatic reversing fan drive

Wheels And Tires

Tread Width On Standard Tires - 96.1 in.

Tire Size Used To Measure - 875/65R29, 1 Star L-3

Width Over Tires On Standard Tires - 134.2 in.

Electrical And Lighting

Number Of Batteries - 2

Standard Alternator Rating - 150.0 amp

System Type - 24 volt with 150-amp alternator

Battery Voltage - 12.0 V

Battery Capacity Per Each - 1400.0 CCA