

8RT 410

Key Specs

Engine Description - John Deere PowerTech™ PSS 9.0 L (B8 diesel compatible)
Engine Displacement - 9.0 L
Rated Engine Power - 302.0 kW
Rated PTO Power (hp SAE) - 231.0 kW
Maximum Engine Power - 326.0 kW
Transmission Type - Standard: e23 PowerShift with Efficiency Manager 40K, 40 km/h (24.9 mph) Optional: John Deere eAutoPowr EVT 40K, 0.05-42 km/h (0.03-26 mph)
Hydraulic Pump Rated Output - Standard: 85-cc pump: 227.1 L/min 60 gpm
Hydraulic Pump Rated Output - 227.1 L/min
Rear Hitch Category (SAE Designation) - Standard: Category 4N/3 standard lift at 610 mm (24 in.) behind hitchpoint: 9072 kg 20,000 lb Optional: Category 4N/3 at 610 mm (24 in.) behind hitchpoint: 6803 kg 15,000 lb
Rear Hitch Category (SAE Designation) - 9072.0 kg
Base Machine Weight - 12538.0 kg

Engine Specifications

Engine Description - John Deere PowerTech™ PSS 9.0 L (B8 diesel compatible)
Engine Type - Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with four valves in head
Engine Family - MJDXL09.0333
Rated Speed - 2100.0 rpm
Aspiration - Dual turbochargers, variable geometry turbo with fixed geometry turbo in series; air-to-air aftercooling and cooled exhaust gas recirculation
Cylinders Liners - Wet-sleeve

Engine Specifications

Emission Level - Stage V

After Treatment Type - Diesel oxidation catalyst (DOC)/diesel particulate filter (DPF)/selective catalytic reduction (SCR)

Engine Displacement - 9.0 L

Engine Performance

Rated Engine Power - 302.0 kW

Rated PTO Power (hp SAE) - 231.0 kW

Maximum PTO Power - 326.0 kW

Power Boost - 8.0 %

Maximum Engine Power - 326.0 kW

Engine Peak Torque - 1851.0 Nm

PTO Torque Rise - 40.0 %

Transmission

Transmission Type - Standard: e23 PowerShift with Efficiency Manager 40K, 40 km/h (24.9 mph) Optional: John Deere eAutoPowr EVT 40K, 0.05-42 km/h (0.03-26 mph)

Hydraulic System

Type - Closed-center, pressure/flow compensated system with load sensing

Hydraulic Pump Rated Output - Standard: 85-cc pump: 227.1 L/min 60 gpm

Hydraulic Pump Rated Output - 227.1 L/min

Available Flow At A Single Rear SCV - 132.0 L/min

Number Of Rear Selective Control Valves (SCVs) - Standard: 1.3-cm (1/2-in.) ISO couplers: 4 Optional: 1.3-cm (1/2-in.) ISO couplers: 5 and 6 available 1.9-cm (3/4-in.) ISO coupler: 1

SCV Control - Electronic

Rear Hitch

Rear Hitch Category (SAE Designation) - Standard: Category 4N/3 standard lift at 610 mm (24 in.) behind hitchpoint: 9072 kg
20,000 lb
Optional: Category 4N/3 at 610 mm (24 in.) behind hitchpoint: 6803 kg
15,000 lb

Rear Hitch Category (SAE Designation) - 9072.0 kg

Maximum Lift Capacity Behind Lift Points - 12.124 kg

Sensing Type - Electrohydraulic

Drawbar

Drawbar Category - Standard: Category 4 Optional: Category 4 with heavy-duty support

Maximum Vertical Load - 2245.0 kg

Rear Power Take-off (PTO)

Type - Independent Standard: 44 mm (1.75 in.) 20-spline, 1,000 rpm Optional: 44 mm (1.75 in.) 20-spline, 1,000 rpm/1,000E rpm

Engine RPM (At Rated PTO Speeds) - 1.995 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

Rear Axle

Final Drive Type - Inboard planetary three pinion

Tracks

Tread Spacing - Minimum - 1828.0 mm

Tread Spacing - Maximum - 3.048 mm

Drive Type - Camso® 4500 and 6500 General Ag Series - friction drive track belts

Track Width - 635.0 mm

Mid-Rollers - Three

Steering

Type - Standard: Hydraulic power-steering with electric pump backup

Electrical System

Battery Options - 12.0 V

Working Lights - Standard: 18 halogen Available: 18 LED 22 LED

Type Of Bulb In Headlight (Halogen, Zenon, LED) - Standard: halogen, 65 W Available: LED Watt

Total Cold Cranking Amps - 1850.0 CCA

Operator Station

Seat - Standard: air suspension

Degree Of Seat Swivel, Left Hand - 25.0 degrees

Degree Of Seat Swivel, Right Hand - 40.0 degrees

Cab Suspension - Standard: four-post cab suspension

Operator Station

Cab Suspension - Standard: four-post cab suspension

Instructional Seat - Standard

Display - 32.5 cm

Radio - Standard: AM/FM Radio, remote controls, auxiliary input jack, four speakers and external antenna Optional 6.4 Touchscreen DAB+ radio with 6.1 channel speaker system and Bluetooth (availability dependent upon destination)

Inner Cab Volume - 3.24 3¥

Cab Glass Area - 6.52 3¡

Weight

Base Machine Weight - 12538.0 kg

Maximum Ballast Level - 17700.0 kg

Maximum Permissible Weight - 18200.0 kg

Capacities

Crankcase Oil Volume - 25.7 L

Fuel Tank Capacity - 764.0 L

Diesel Exhaust Fluid (DEF) Tank - 31.3 L

Cooling System - 42.3 L

Transmission-Hydraulic System - 197.0 L

Serviceability

Interval For Engine Oil Change - 500.0 hr

Interval For Hydraulic/Transmission Oil Change - 1500.0 hr

Interval For Engine Coolant Change - 6000.0 hr

Precision AG

Guidance - Standard: StarFire™ Integrated Receiver - SF1; G5^{Plus} CommandCenter AutoTrac, Section Control Activation Optional: StarFire Integrated Receiver - SF-RTK; G5 Advanced Licenses

Telematic - Standard: JDLink™ Hardware with Modular Telematics Gateway (MTG), Ethernet Harnesses for CommandCenter (availability dependent upon destination)

Miscellaneous

ISOBUS Ready - Standard: ISOBUS Implement Connection (ISO 11783)

CommandCenter Video Inputs - Four video inputs for G5^{Plus} Display; optional integrated front and rear cameras

Miscellaneous

Country Of Manufacture - USA

Additional Information

Date Collected - 2024-05-01T00:00:00