

# 8RX

8RX tractors offer maximum flotation, very smooth steering even on short headlands, excellent side-hill stability and the widest operating windows. They set a new standard in the track segment.

**MINIMUM SOIL DISTURBANCE**



# THE SOIL PROTECTION SPECIALIST

## 8RX TRACTORS

Designed for maximum soil protection in all conditions, the 8RX stands for powerful performance that's kind to your fields.

It is common knowledge: The way you treat your soil directly impacts your yield potential for years to come. In fact, studies have shown up to 6.8% yield increase potential when changing to a production system with tracks. Even you'd just get 2-3% it's worth to think about a change.

Dry years require a healthy soil structure that can store every drop of rainfall, so crops can develop and have access to water. That's only possible if wet years are managed properly. However, time windows in wet years can be very small and timing becomes critical for plant growth & crop quality. That makes it crucial to have a true specialist on your team that causes minimal soil disturbance while pulling your large implements. Compared to 2-track designs, the 8RX is much less susceptible to certain soil types, delivers outstanding side-hill traction plus stability and causes no soil berming when turning.



4,57 m<sup>2</sup> ground contact area are benchmark in this hp class. Even fully ballasted, the static ground pressure at the rear is as little as 36 kPa. Soil berming at the headland is almost not existent, although the turning radius is even smaller than on a 8 Series wheel tractor.

### EXCELLENT RIDE COMFORT

Riding an 8RX in field almost feels like floating. Thanks to the 4-track design itself, but also because of the tilting undercarriage, the suspended mid roller boogie mounting in the rear, and the advanced cab suspension that's standard on an 8RX.



TRACK SIZE	FLAT PLATE AREA	GROUND PRESSURE
610 mm (24 in.), 610 mm (24 in.) rear	4.03 m <sup>2</sup>	49 kPa
635 mm (25 in.), 762 mm (30 in.) rear	4.57 m <sup>2</sup>	44 kPa

To calculate the pressure per cm<sup>2</sup> exerted to the soil by the machine, divide the machine weight by the total flat plate area (indicated in the picture).

All figures based on fully ballasted 8RX at 19,958 kg

# 8RX SPECIFICATION

## DIMENSIONS

### A | WHEELBASE

3,235 mm

### B | OVERALL LENGTH

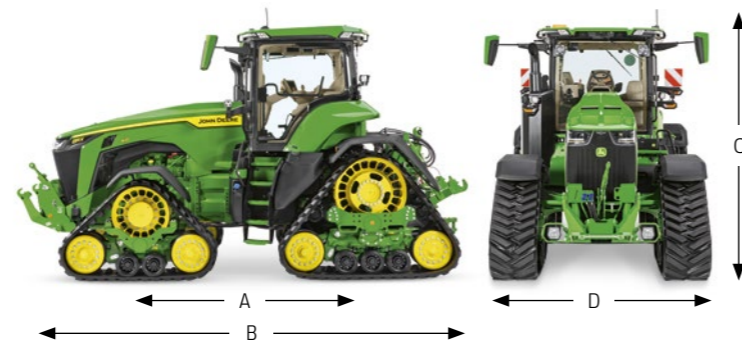
6,572 mm, measured from front weight support to rear hitch

### C | TOTAL HEIGHT

3,636 mm, measured from road surface to uppermost plane of beacon light

### D | OVERALL WIDTH

2,997 mm, measured with 88-inch tread spacing, 30-inch rear and 24-inch front tracks



	8RX 310	8RX 340	8RX 370	8RX 410
<b>ENGINE PERFORMANCE</b>				
Rated Engine Power (ECE-R120), hp (kW)	310 (228)	340 (250)	370 (272)	410 (302)
Max Engine Power at 1,900 rpm (ECE-R120), hp (kW)	341 (251)	374 (275)	407 (299)	443 (326)
Max Engine Power with IPM at 1,900 rpm (ECE-R120), hp (kW)	357 (263)	388 (285)	420 (309)	458 (337)
Intelligent Power Management, hp	35			
Constant Power Range, rpm	1,500 - 2,100	1,500 - 2,100	1,500 - 2,100	1,600 - 2,100
Engine Torque Rise, %	40	40	40	35
Engine Power Bulge, %	10	10	10	10
Engine Peak Torque @ 1,600 rpm, Nm	1,452	1,592	1,732	1,851

<b>ENGINE</b>	
Manufacturer	Deere Power Systems
Type	John Deere PowerTech™ 9.0 L (B8 Diesel Compatible), Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head
Aftertreatment	longlife & maintenance-free dieselparticulatefilter (DPF), Dieseloxidationfilter (DOC), Selective Catalytic Reduction (SCR)
Aspiration	Single variable geometry turbocharger – air-to-air aftercooling and cooled exhaust gas recirculation Dual Series Turbocharger w/fixed geometry first stage-variable geometry second stage – air-to-air aftercooling and cooled exhaust gas recirculation

## TRANSMISSION OPTIONS

<b>e23™ TRANSMISSION WITH EFFICIENCY MANAGER™</b>	
23 Forward- / 11 Reverse Gears, 40 km/h, left- & right hand reverser	40 km/h @ 1,522 rpm
<b>AUTOPOWR™</b>	
Variable, 0.05 - 40 km/h, left- & right hand reverser or CommanPRO	40 km/h @ 1,469 rpm N / A
<b>eAUTOPOWR™</b>	
Variable, 0.05 - 40 km/h, left- & right hand reverser or CommanPRO	N / A 40 km/h @ 1,224 rpm
Electric Power Generation – optional for eAutoPowr™	N / A 100 kW at 480 VAC / 700 VDC

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<b>AXLES</b>				
<b>Rear Axles</b>				
Final Drives	Inboard planetary three pinion			
Tread spacing	1,930 mm (76") / 2,030 mm (80") / 2,235 mm (88") / retrofit only: 3,050 (120")			
Drive type	Positive			
Track width	419 mm (16.5") / 457 mm (18") / 610 mm (24") / 762 mm (30")			
Mid-Rollers	Polyurethane: 419 mm (16.5") / 457 mm (18") / 610 mm (24")			
Rear undercarriage pivot	±10°			
<b>Front Axles</b>				
Tread spacing	1,930 mm (76") / 2,030 mm (80") / 2,235 mm (88") / retrofit only: 3,050 (120")			
Drive type	Positive			
Track width	419 mm (16.5") / 457 mm (18") / 610 mm (24")			
Mid-Rollers	Polyurethane: 419 mm (16.5") / 457 mm (18") / 610 mm (24")			
Front undercarriage pivot	±7° - 10° (depending on tread spacing)			
<b>Differential Lock</b>				
Differential Lock – Front and Rear Axle	Full-locking electrohydraulic – On/Off Auto Mode depending on Steering Angle			
<b>GROUND CONTACT AREA</b>				
with 419 mm (16.5") track width, m <sup>2</sup>				2.77
with 457 mm (18") track width, m <sup>2</sup>				3.02
with 610 mm (24") track width, m <sup>2</sup>				4.03
with 610 mm (24") track width in the front and 762 mm (30") in the rear, m <sup>2</sup>				4.57
<b>STATIC GROUND PRESSURE (vehicle weight: 20,000 kg)</b>				
with 419 mm (16.5") track width, kPa				72
with 457 mm (18") track width, kPa				66
with 610 mm (24") track width, kPa				50
with 610 mm (24") track width in the front and 762 mm (30") in the rear, kPa				44
<b>ELECTRICAL SYSTEM</b>				
Alternator/Battery	Base: 250 amps / 12 Volt; Option: 330 amps / 12 Volt			
<b>STEERING</b>				
Steering column type	Tilt & telescope steering with memory function			
Hydraulic power-steering with electric pump back-up	Base			
<b>HYDRAULIC SYSTEM</b>				
Type	Closed-center, pressure & flow compensated system (PFC) with load sensing			
Main pump, axial piston (displacement)	Base: 85 cm <sup>3</sup> ; Optional: Dual pump 85 cm <sup>3</sup> plus 35 cm <sup>3</sup>			
Maximum pressure, bar	204			
Rear Selective control valves with 1/2 inch ISO couplers	4 / 5 / 6			
Rear Selective control valves with 3/4 inch and 1/2 inch ISO couplers	max. 5 available (SCV 1: 3/4 inch coupler, SCV 2-5: 1/2 inch couplers)			
Rated flow, 85 cm <sup>3</sup> pump, l/min	227			
Rated flow, Dual Pump 85 cm <sup>3</sup> plus 35 cm <sup>3</sup> , l/min	318			
Maximum flow at a single Rear SCV, l/min	132			
Oil Take out capacity	56 liters at 2 l/sec			
Power beyond couplers	Optional; 1/2 or 3/4 inch couplers			
<b>REAR HITCH</b>				
Type	Electrohydraulic Lower Link Sensing; load & depth control, infinite mix, float			
Coupler System	Walterscheid Hook Style Ends			
Lower Link Stabilization	Sway Blocks or Deluxe Sway Stabilizers			
Category	4N/3			
Max Lift capacity through full lift range, (610 mm behind the coupler, OECD)	9,000 kg – Cat. 4N/3			
Center Link	Option – Hydraulic Center Link – Cat. 4 (120 mm)			

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<b>REAR PTO</b>				
PTO 1,000 rpm – Engine rpm @ rated PTO speed*	2,000			
PTO 1,000 / 1,000E rpm – Engine rpm @ rated PTO speeds*	2,000 / 1,594			
PTO 540 / 1,000 rpm – Engine rpm @ rated PTO speeds*	1,817 / 2,000			N/A
Stub 1-3/4 in. (45 mm diameter), 20-spline, 1,000 rpm	Base			
Stub 1-3/4 in. (45 mm diameter), 20 spline, 1,000 / 1,000E rpm gearcase, shiftable in cab via the CommandCenter™	Optional			
Stub 1-3/4 in. (45 mm diameter), 20-spline, 1,000 rpm; capable of 1-3/8 in. (35 mm diameter) 540 / 1,000 rpm gearcase	Optional			N/A
* The engine speeds will vary minimal depending on the transmission type of the tractor				
<b>CAB</b>				
Suspension System	4-post cab suspension			
Seat	Base: Cloth; Optional: perforated leather seat with active ventilation, heating and massage function			
Seat Adjustment	Optional: 25° left hand and 40° right hand seat swivel; electric seat adjustment, pneumatic lumbar support, Adjustable Backrest Bolsters			
Infotainment	Base: AM/FM Radio; Optional: 6.4" touchscreen DAB+ Radio with 6.1 surround speaker system and Bluetooth, Apple CarPlay and Android Auto			
Comfort Features	Base: foot rests; Optional: Actively cooled refrigerator, carpet floor mat, tinted rear window			
Lighting	Halogen or 360° LED lighting package; optional: 3 LED beacon lights			
<b>INTEGRATED TECHNOLOGY</b>				
CommandCenter™ Display	Base – 32.5 cm (12.8 in) G5 <sup>Plus</sup> CommandCenter™ Display, Optional – 32.5 cm (12.8 in) G5 <sup>Plus</sup> CommandCenter™ Display with G5 <sup>Plus</sup> Extended Display			
Integrated StarFire™ Receiver	Cab roof integrated StarFire™ receiver – Standard SF1 (+/- 15 cm), optional SF-RTK (+/- 2.5 cm) accuracy			
Permanent Licenses	AutoTrac™, Section Control, Variable Rate Control, Documentation, Data Sync, Over-the-Air Updates, Remote Display Access			
Optional G5™ Advanced Licenses	AutoTrac™ Implement Guidance, AutoTrac™ Turn Automation, AutoPath™, In-Field Data Sharing, Machine Sync, SF-RTK, AutoTrac™ RowSense™/Vision			
Connectivity Hardware	Includes integrated cab wiring harness, antenna, JDLINK™ Modem (MTG) and Ethernet harnesses. Ethernet harnesses may vary per configuration.			
Connectivity Subscription	Connectivity service is subject to country availability. JDLINK™ connectivity can be enabled in John Deere Operations Center™.			
Connectivity options	Tractor Implement Management (TIM), Rear Implement Ethernet connector for High-Speed ISOBUS			

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<b>MISCELLANEOUS</b>				
ServiceADVISOR Remote	Optional			
CommandCenter™ video / camera capability	4 analog and 2 digital Video inputs for G5 <sup>Plus</sup> Display; Optional: Integrated digital front and rear cameras			
Trailer Brake System	Optional; Pneumatic Dual Line System incl. Air Dryer and/or Hydraulic Dual Line System			
<b>CAPACITIES</b>				
Fuel tank, l (without / with eAutoPowr™)	924 / 829			
DEF tank, l	37.2			
<b>DIMENSIONS AND WEIGHTS</b>				
Wheelbase, mm	3,235			
<b>OVERALL LENGTH, mm</b>				
Maximum length (including front weight support and rear 3-point hitch in transport position)	6,572			
<b>OVERALL HEIGHT, mm</b>				
Maximum height (road surface to uppermost plane of beacon light)	3,636			
<b>OVERALL WIDTH, mm<sup>1</sup></b>				
Maximum width with 762-mm (30-in.) rear belts at 2,235-mm (88-in.) track spacing (overall)	2,997			
<b>GROUND CLEARANCE, mm</b>				
Maximum	760			
<b>TURNING RADIUS, m</b>				
with 88 in (2,235 mm) tread setting – 24 in (610 mm) front tracks 30 in (762 mm) rear tracks	5.2			
<b>WEIGHTS</b>				
Average Shipping Weight, kg <sup>2</sup>	19,400			
Maximum Permissible Weight, kg	24,000			

<sup>1</sup> Dependent on axle configuration and tread settings

<sup>2</sup> Equipped with e23™, 24in front, 30in rear, 88in spacing, dual pumps, 5 SCVs, PTO, 3-in-1 hitch

# NOTHING RUNS LIKE A DEERE™

Chances are that when you need us, you need us right then and there. For advice, to solve a problem, or for a part. Reach out, we'll be there with technicians who are factory trained, ready to go to work for you, using only genuine John Deere parts and products. But our commitment to quality doesn't stop at your machine – we also have financing options available that are guaranteed to fit your budget and your plans.



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