

# 9RX SERIES

## 4-TRACK TRACTORS



MAKING THE RIGHT CHOICE



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# 9RX SERIES

## EXCELLENT PERFORMANCE IN ALL CONDITIONS

### 4-TRACK TRACTORS

Superb turning under load and low beaming: the 9RX is also the narrowest format for transportability

#### EASY SPEED SWITCHING

With Efficiency Manager you can set two different ground speeds. F1 can be set at any speed between 3.2 and 20.3 km/h. F2 can be set at any speed between 3.2 and 30 km/h for 457 mm (18") and 609 mm (24") track models and 40 km/h for 762 mm (30") and 914 mm (36") track models. You can change between the two at the flick of a switch on the CommandARM.

#### EFFICIENCY AND PERFORMANCE

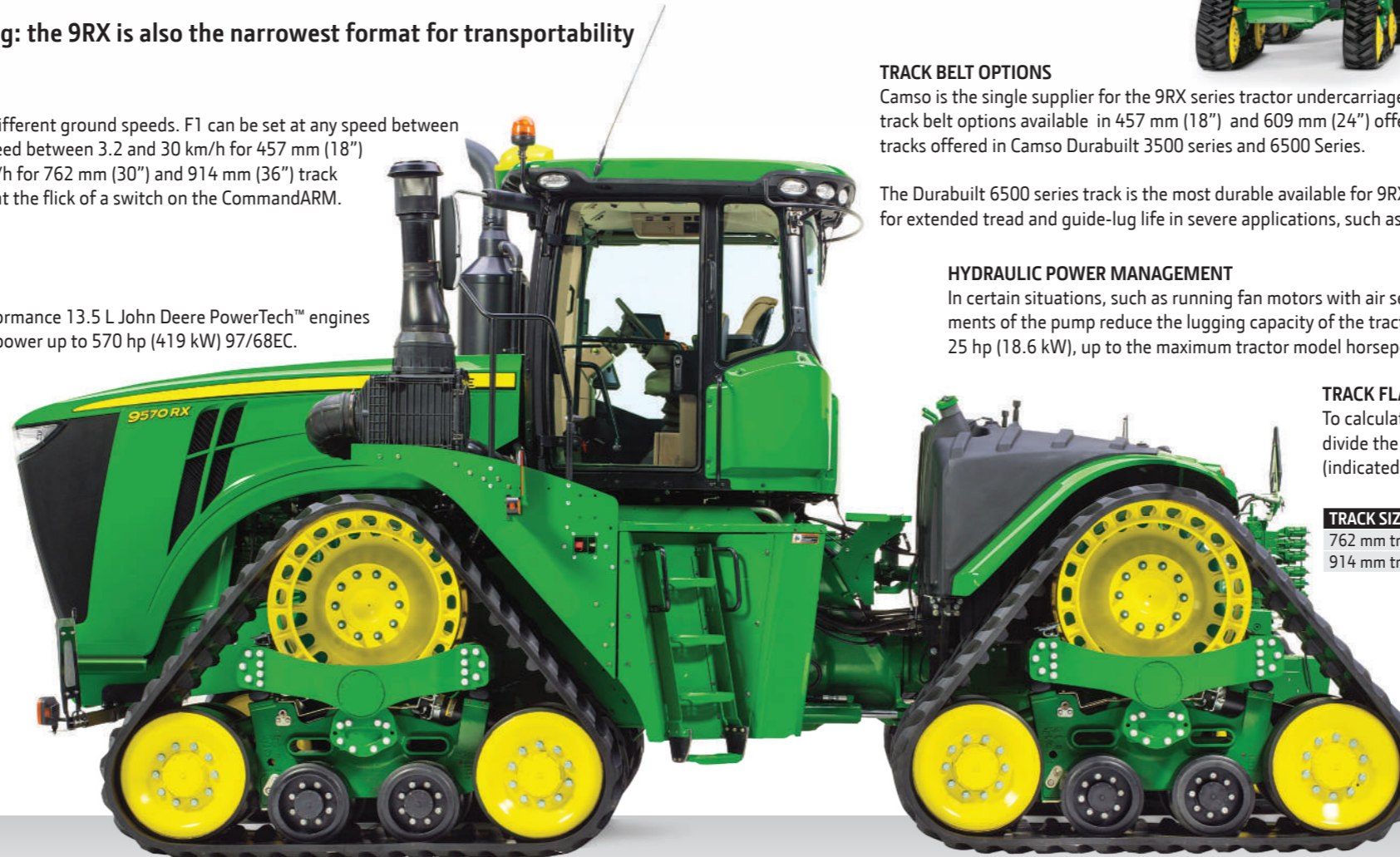
9RX tractors are powered by highly efficient and high-performance 13.5 L John Deere PowerTech™ engines with high power and torque outputs, delivering maximum power up to 570 hp (419 kW) 97/68EC.

#### HIGH FUEL EFFICIENCY

For the highest possible fuel efficiency in all applications: e18 transmission with Efficiency Manager automatically shifts gears and throttles back to reach your desired ground speed.

#### REDUCED SLIPPAGE

The 9RX has drive lugs that are 12% wider than on rival machines, as well as a wrap angle 24 degrees larger and 60% more belt tension. This prevents belt slippage.



#### TRACK BELT OPTIONS

Camso is the single supplier for the 9RX series tractor undercarriage system, including tracks and rubberised wheels. With two narrow track belt options available in 457 mm (18") and 609 mm (24") offered in Camso Durabuilt 6500. Wide 762 mm (30") and 914 mm (36") tracks offered in Camso Durabuilt 3500 series and 6500 Series.

The Durabuilt 6500 series track is the most durable available for 9RX tractors. It provides improved rubber and more woven steel threads for extended tread and guide-lug life in severe applications, such as those with higher road requirements and side-slope operations.

#### HYDRAULIC POWER MANAGEMENT

In certain situations, such as running fan motors with air seeders and planters, the hydraulic power requirements of the pump reduce the lugging capacity of the tractor. They are programmed to allow an additional 25 hp (18.6 kW), up to the maximum tractor model horsepower.

#### TRACK FLAT PLATE AREA

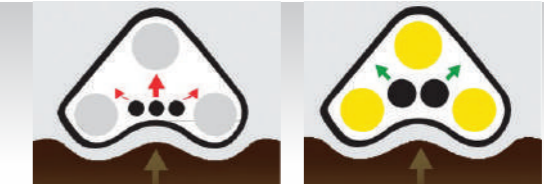
To calculate the kg per cm<sup>2</sup> exerted to the soil by the machine, divide the machine weight by the total flat plate area (indicated in the picture).

TRACK SIZE	FLAT PLATE AREA	GROUND PRESSURE
762 mm tracks	44 903 cm <sup>2</sup>	0.545 kg per cm <sup>2</sup>
914 mm tracks	53 884 cm <sup>2</sup>	0.455 kg per cm <sup>2</sup>



#### MID-ROLLER DESIGN FOR COMFORT

The two mid-roller designs of the 9RX help to dissipate vibration, diverting it away from the axle and ensuring a more comfortable ride. By contrast, the use of smaller three mid-rollers on other four-tracked tractors transfers vibration directly upwards into the drive sprocket and axle. The 9RX remains firmly on the ground in very uneven conditions. Fewer and larger mid-rollers also mean an extended wear life and longer maintenance intervals!



#### STRATEGICALLY LOCATED MID-ROLLERS

Mid-rollers are strategically spaced to prevent vibration and to keep the mid-rollers from being vertically aligned with a traction lug at the same time. The two-piece mid-roller design also reduces costs when replacing worn components. Heavy-duty polyurethane mid-rollers, available as a factory installed option, generate less heat under high loads and are longer lasting than rubber-coated mid-rollers. They are specifically designed for applications requiring frequent transport at higher speeds and with heavy loads, and are highly resistant to rock chipping.

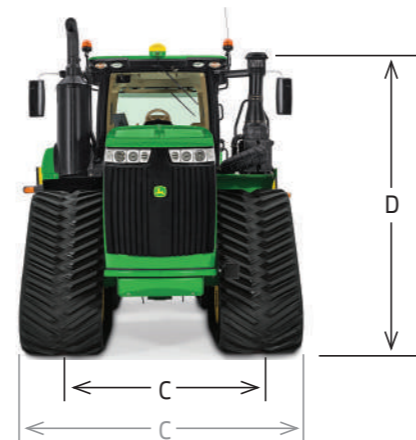
#### DIMENSIONS

The narrow format of the 9RX makes it ideal for applications involving a lot of road transport.



**A | WHEELBASE**  
4 128 mm

**B | OVERALL LENGTH**  
7 637 mm (less hitch)  
8 234 mm (including hitch and coupler)



**C | WIDTH**  
2 980 mm with 762 mm tracks  
3 130 mm with 914 mm tracks

**D | TOTAL HEIGHT**  
3 720 mm (top of cab)

#### PERFORMANCE

- Powerful PowerTech™ 13.5 L Tier II, engine for more hectares per hour
- e18™ transmission offers the widest gear selection on the market with automation capabilities to improve operator productivity
- Up to 435 L/min of hydraulic flow at lower engine rpm, optimising requirements for large implements and planters
- 4-track design for ultimate in steerability, larger footprint and lowest soil compaction
- Narrow and wide track options available. Narrow (457 mm and 609 mm) RowCrop track options for application and seeding applications, and wide track (760 mm and 915 mm) for heavier tillage applications

#### UPTIME

- CommandView III cab with cab suspension for enhanced operator experience running extended hours
- CommandARM™ swiveling with seat for ultimate comfort for increased hours in the field
- Mounted 4100/4600 CommandCenter display on CommandARM™ for quick and easy tractor adjustment and access to machine data
- ActiveSeat™ option for enhanced operator experience with 40° of swivel
- Primary functions ergonomically placed for easy, simple touch controls when working extended hours in the field
- Premium LED lights package option reduce electrical power requirement and less power drain on engine

#### COST OF OPERATION

- Save more fuel, the e18™ transmission with Efficiency Manager auto shift up and down controlling throttle to reduce fuel
- Eco mode on e18™ transmissions reduce engine speed and improve engine efficiency while in applications using auto shift functionality
- AutoTrac™ and JDLink™ which means you can improve efficiency while receiving support on the go, reducing cost
- Improved fluid filtration systems and lubricant for extended service intervals reducing downtime and cost

## 9RX 4-TRACK TRACTOR SPECIFICATIONS

MODEL	9470RX	9520RX	9570RX
<b>ENGINE PERFORMANCE</b>			
Rated engine power (97/68 EC), hp (kW)	470 (346)	520 (382)	570 (419)
Max engine power at 1 900 rpm (97/68 EC), hp (kW)	517 (380)	572 (421)	627 (461)
Rated engine power (ECE-R24), hp (kW)	451 (332)*	499 (367)*	547 (402)*
Max engine power at 1 900 rpm (ECE-R24), hp (kW)	496 (365)	549 (404)	602 (443)
Engine peak torque @ 1 600 rpm (Nm)	2 169	2 400	2 631
<b>ENGINE</b>			
Manufacturer	John Deere Power Systems		
Type	John Deere PowerTech 13.5 L (B20 diesel compatible), diesel, in-line, 6-cylinder, wet sleeve cylinder liners with four valves-in-head		
Rated engine speed, rpm	2 100		
Aspiration	Turbo charged, air-to-air aftercooling system		
Fuel injection	Electronically controlled, electronic unit injectors (self priming)		
<b>TRANSMISSION</b>			
e18 18-speed PowerShift with Efficiency Manager			
18 Forward/6 reverse gears, right hand reverser	30.0 km/h @ 1 587 rpm		
<b>AXLES</b>			
Narrow track axles			
Narrow – rear axle supports	Available with 457 or 609 mm belts		
Narrow – front axle supports	Available with 457 or 609 mm belts		
457 mm narrow belt	Optional		
609 mm narrow belt	Optional		
Wide track axles			
Wide – rear axle supports	Available with 760 or 915 mm belts		
Wide – front axle supports	Available with 760 or 915 mm belts		
762 mm wide belt	Base		
916 mm wide belt	Optional		
Track spacing			
Fixed spacing	2 218 mm		
Fixed spacing	2 032 mm		
Fixed spacing	2 235 mm		
Fixed spacing	3 048 mm		
Axle final drives			
Axle final drives	Bull gear and double idler with floating pinion		
Differential lock			
Differential lock	Full-locking electro-hydraulic, front and rear axle, with AutoMode for disengagement for various selectable turn angles		
Brakes			
Tractor brake system	Hydraulic power, wet disk, self adjusting		
Implement brake system	Optional: Hydraulic single line system		
<b>STEERING AND HYDRAULIC SYSTEM</b>			
Hydraulic power steering			
Active Command Steering (ACS)	Base		
<b>HYDRAULIC SYSTEM</b>			
Type	Closed-centre, pressure and flow-compensated system (PFC) with load sensing		
Maximum pressure	200 bar/20 000 kPa		
Rear selective control valves (1/2 inch)	Four to six factory installed, up to eight field installed		
Rated flow, dual pump, L/min (Base)	435		
Rated flow, single pump, L/min (Optional)	219		
Power beyond couplers	Optional: 1/2 or 3/4 inch couplers		

This literature has been compiled for broad circulation in Sub-Saharan Africa. While general information, pictures and descriptions are provided, some illustrations and text may include finance, product options and accessories not available in all regions. Please contact your local dealer for details. John Deere reserves the right to change specification and design of products described in this literature without notice. The green and yellow colour scheme, the leaping deer logo and the JOHN DEERE word mark are trademarks of Deere & Company.

MODEL	9470RX	9520RX	9570RX
<b>REAR HITCH</b>			
Type	Electric-hydraulic 3-point hitch with draft sensing		
Category 4 N/3 with quick coupler – all axle diameters	Optional: 6 940 kg		
Category 4 N/3 with quick coupler	Optional: 9 072 kg		
Category 4 N/4 with quick coupler – all axle diameters	Optional: 6 940 kg		
Category 4 N/4 with quick coupler	Base: 9 072 kg		
<b>DRAWBAR AND TRAILER HITCH</b>			
Category 5, with 70 mm pin heavy-duty drawbar support	Base: 5 440 kg maximum, vertical load		
<b>REAR PTO</b>			
Type	Optional – Fully independent rear PTO, Stub 1 – 45 mm diameter, 20-spline, 1 000 rpm		
<b>CAB AND TECHNOLOGY</b>			
Specifications	CommandView III cab, with cab suspension, LH panorama door, automatic air-conditioning and Generation 4 CommandCenter display		
Display	Standard Generation 4 CommandCenter 4 100 processor with seven inch or optional 4 600 processor with ten inch touchscreen display		
ActiveSeat	Optional – active, electro-hydraulic suspended seat with air suspension		
AutoTrac Ready	Base		
GreenStar Ready	Base		
JDLINK Ready	Base		
ISOBUS implement connection	Base		
<b>CAPACITIES</b>			
Fuel tank, L	1 490		
Cooling system, L	56.5		
Engine oil capacity, L	48		
Hydraulic, transmission, axle oil with 3-point rear hitch and PTO, L	227		
<b>DIMENSIONS AND WEIGHTS</b>			
Wheelbase, mm	4 154		
Overall length, mm	8 234		
Maximum length, measured with front weights, excluding hitch and coupler	4 124		
Overall height, mm	4 124		
Minimum height, measured to the top of exhaust extension	3 454		
Overall width, mm (outside to outside of track)	3 658		
Width with 457 mm belts	2 980		
Width with 609 mm belts	3 130		
Width with 915 mm belts	26 943 cm <sup>2</sup> /0.91 kg per cm <sup>2</sup>		
Track flat plate area and ground pressure <sup>1</sup>	35 924 cm <sup>2</sup> /0.68 kg per cm <sup>2</sup>		
with 457 mm belts	44 903 cm <sup>2</sup> /0.55 kg per cm <sup>2</sup>		
with 609 mm belts	53 884 cm <sup>2</sup> /0.45 kg per cm <sup>2</sup>		
with 760 mm belts	6.4		
with 915 mm belts	±10°		
Turning radius	Weights <sup>2</sup>		
with 915 mm, m	Average shipping weight, kg		
Degrees of undercarriage oscillation	Maximum ballasting weight, kg		
Weights <sup>2</sup>	24 500		
Average shipping weight, kg	28 125		
Maximum ballasting weight, kg	24 950		

\* Reported test result with all drives (engine fan, auxiliary drives, transmission couplers fitted on engine)

<sup>1</sup> Calculated with a fully ballasted 9RX at 28 125 kg. The figures used are averages and should be used only to estimate flat plate area

<sup>2</sup> Equipped with 760 mm belts, with no PTO, with no rear hitch

