

# 9R SERIES WHEEL TRACTORS






MAKING THE RIGHT CHOICE



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# 9R SERIES WHEEL TRACTORS

DRIVING PRODUCTIVITY UP,  
DRIVING COSTS DOWN

9R tractors are designed to meet the toughest challenges in contemporary agriculture: improving your productivity, reducing costs and mitigating risks. Here are key benefits that will have a decisive impact on your operation's bottom line:

## REDUCED EFFORT

ActiveCommand Steering (ACS) significantly reduces steering effort. It offers unprecedented line-holding abilities to improve comfort and control. The new Extended Monitor option makes implement management even easier.

## EFFICIENCY AND PERFORMANCE

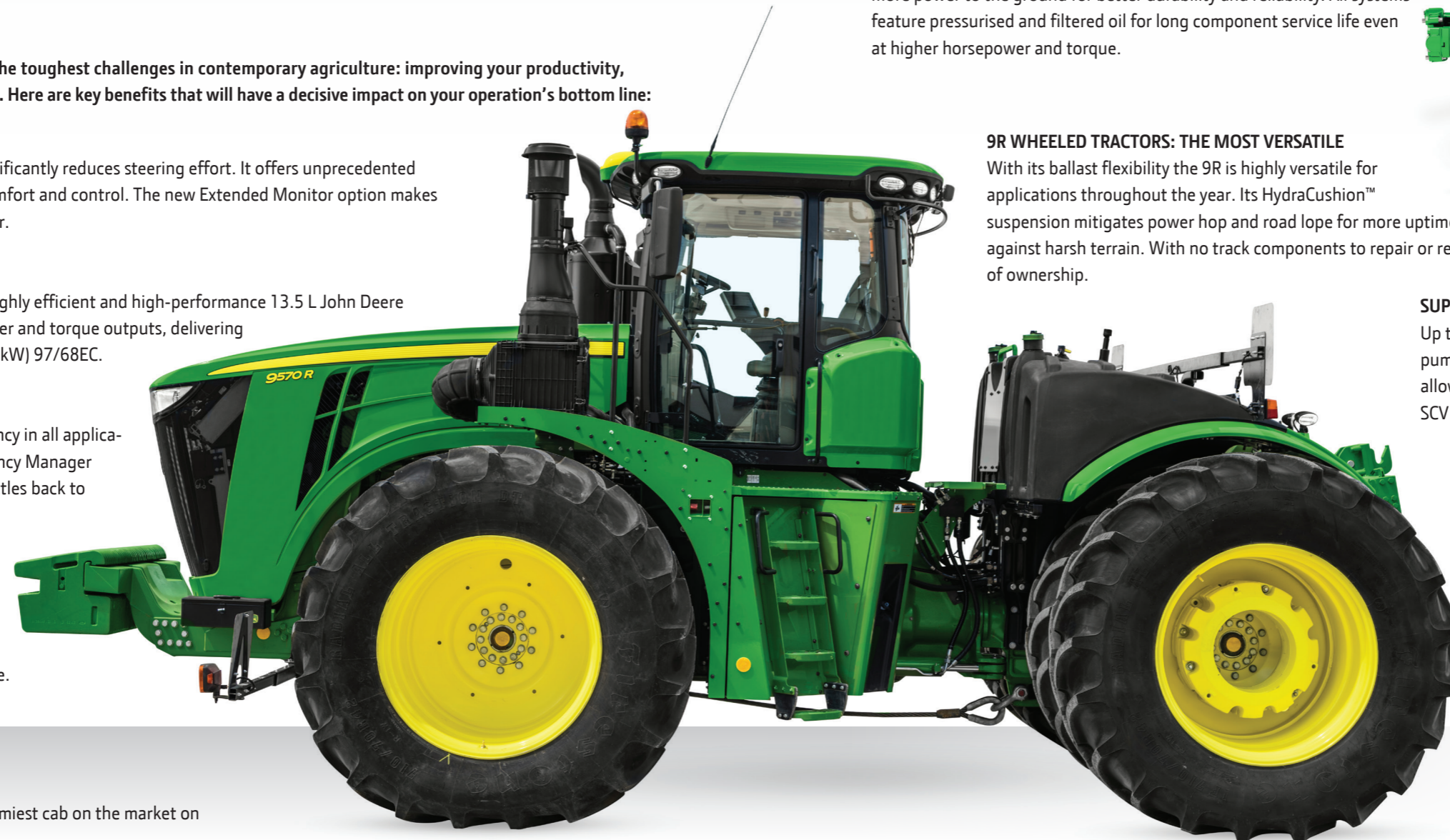
9R Wheel Tractor are powered by highly efficient and high-performance 13.5 L John Deere PowerTech™ engines with high power and torque outputs, delivering maximum power up to 570 hp (419 kW) 97/68EC.

## 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.

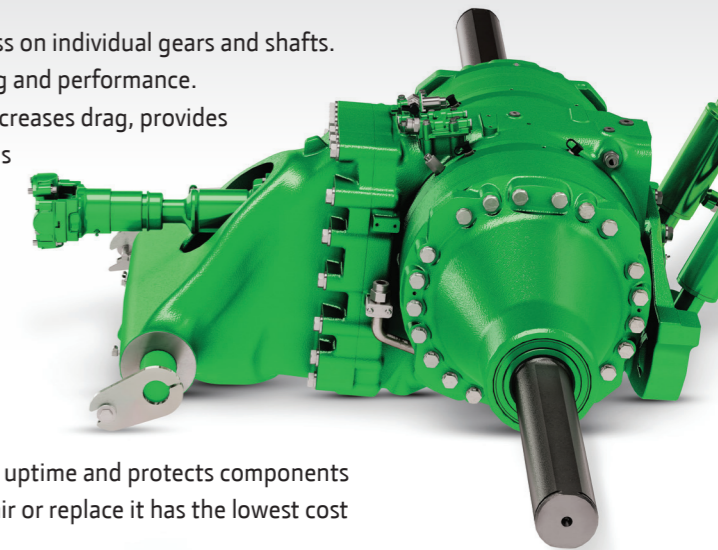
## POWERFUL FRAME

The massive three-section frame design provides superior strength and durability, improves vehicle serviceability and reduces downtime.



## SINGLE AND DOUBLE-REDUCTION AXLES

Inboard planetary final drives distribute axle loads evenly to reduce stress on individual gears and shafts. Single-reduction axles operate in an oil bath that provides ample cooling and performance. Double reduction axles feature low sump pressure lubrication, which decreases drag, provides more power to the ground for better durability and reliability. All systems feature pressurised and filtered oil for long component service life even at higher horsepower and torque.



## 9R WHEELED TRACTORS: THE MOST VERSATILE

With its ballast flexibility the 9R is highly versatile for applications throughout the year. Its HydraCushion™ suspension mitigates power hop and road lope for more uptime and protects components against harsh terrain. With no track components to repair or replace it has the lowest cost of ownership.

## SUPERB HYDRAULIC POWER

Up to eight rear SCVs and 435 L/min hydraulic pump flow. The optional high-flow coupler allows for a maximum flow rate from a single SCV of 159 L/min.

## PRECISION AND PRODUCTIVITY

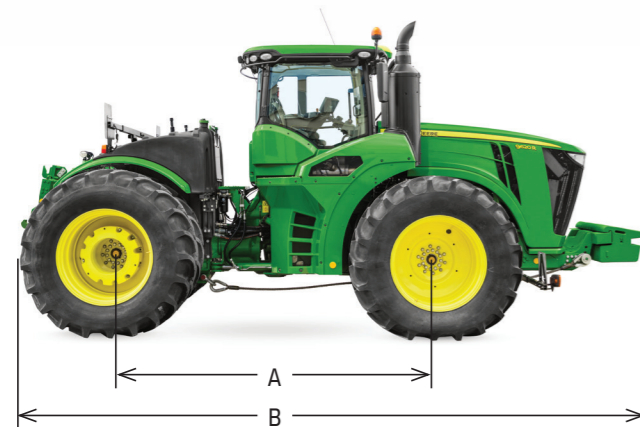
With the integrated Generation 4 CommandCenter, all you need to get started with AutoTrac is a StarFire receiver and an AutoTrac activation.

## CENTRAL OPERATIONS MANAGEMENT

With John Deere you are always connected. Our Ag web portal MyJohnDeere.com enables you to plan, run and manage your operations – all from a central location. Go to the Operations Center to get instant information about ongoing operations, viewing agronomic information from your in-cab display.

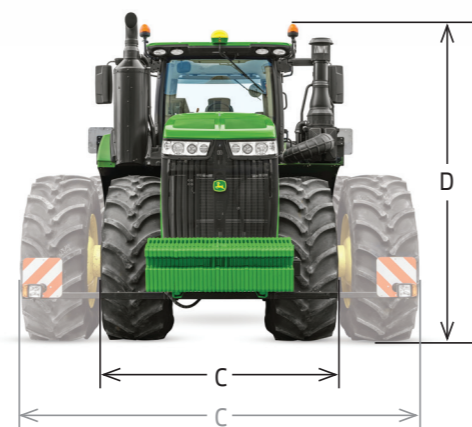
## DIMENSIONS

Superb engineering design: the roomiest cab on the market on a narrow-gauge wheeled tractor.



**A | WHEELBASE**  
3 807 mm (9420R - 9470R)  
3 912 mm (9520R - 9620R)

**B | OVERALL LENGTH**  
(with front weights, excluding hitch and coupler)  
7 593 mm (9420R - 9470R)  
7 697 mm (9520R - 9620R)



**C | WIDTH**  
(minimum, depending on settings)  
3 050 mm with 800/70R38 single  
3 860 mm with 620/70R42 dual  
4 300 mm with 710/70R42 dual

**D | TOTAL HEIGHT**  
3 979 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 hydraulic flow at lower engine rpm, optimising requirements for large implements and planters
- Large, Group 48 and 49 rear wheel options, maximising power transfer to the ground
- Removable ballast for performance optimisation
- Premium LED lights package option reduce electrical power requirement and less power drain on engine

## 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

## 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

## 9R WHEEL TRACTOR SPECIFICATIONS

MODEL	9420R	9470R	9520R	9570R
<b>ENGINE PERFORMANCE</b>				
Rated engine power (97/68 EC), hp (kW)	420 (309)	470 (346)	520 (382)	570 (419)
Max engine power at 1 900 rpm (97/68 EC), hp (kW)	462 (340)	517 (380)	572 (421)	627 (461)
Rated engine power (ECE-R24), hp (kW)	403 (297)*	451 (332)*	499 (367)*	547 (402)*
Max engine power at 1 900 rpm (ECE-R24), hp (kW)	444 (326)	496 (365)	549 (404)	602 (443)
Engine peak torque @ 1 600 rpm (Nm)	1 938	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	4.2.7 km/h @ 2 100 rpm with 205 cm tyres			
<b>AXLES</b>				
Axles	120 x 3 048 mm diameter, single reduction			
120 x 3 048 mm diameter, double reduction	Not available			
120 x 3 048 mm diameter, double reduction with axle flats	Optional			
120 x 3 048 mm diameter, double reduction with HydraCushion	Optional			
120 x 3 048 mm diameter, double reduction with HydraCushion and axle flats	Optional			
Axle final drives	Inboard planetary			
Axle final drives	Inboard planetary with double-reduction axle			
Suspension system	Not available			
HydraCushion front axle suspension system	Optional			
Differential lock	Full-locking electro-hydraulic, front and rear axle, with AutoMode for disengagement for various selectable turn angles			
Differential lock	Optional: Hydraulic single line system			
Brakes	Standard			
Tractor brake system	Hydraulic power, wet disk, self adjusting on front and rear axle			
Implement brake system	Optional: Hydraulic single line system			
<b>STEERING AND HYDRAULIC SYSTEM</b>				
Hydraulic power steering	Standard			
<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, single pump, L/min (Base)	219			
Rated flow, dual pump, L/min (Option)	435			
Power beyond couplers	Optional: 1/2 or 3/4 inch couplers			
<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 – 120 mm axle diameters	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 – 120 mm axle diameters	Base: 9 072 kg			

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	9420R	9470R	9520R	9570R
<b>DRAWBAR AND TRAILER HITCH</b>				
Category 4 with 50 mm pin and heavy-duty drawbar support	Optional – 2 470 kg maximum, vertical load			
Category 5 with 70 mm pin and 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, 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			
Active Seat	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	1 215		1 490	
Cooling system, L	56.5		62	
Engine oil capacity, L	48		43.5	
Transmission, differential, hydraulic system, L		180		
Hydraulic, transmission, axle oil with 3-point rear hitch and PTO, L	284		227	
<b>DIMENSIONS AND WEIGHTS</b>				
Wheelbase, mm	3 807		3 912	
Overall length, mm				
Maximum length, measured with front weights, excluding hitch and coupler	7 593		7 697	
Overall height, mm				
Minimum height, measured to the top of the cab, with Group 48 tyres	3 979			
Overall width, mm <sup>1</sup>				
Minimum width with 800/70R38 in single wheel configuration	3 050			
Minimum width with 620/70R42 in dual wheel configuration	3 860			
Minimum width with 710/70R42 in dual wheel configuration	4 300			
Tyre flat plate area and ground pressure <sup>2</sup>				
with IF800/70R38 in single wheel configuration	17 700 cm <sup>2</sup> /1.54 kg per cm <sup>2</sup>			
with 520/70R42 in dual wheel configuration	21 680 cm <sup>2</sup> /1.25 kg per cm <sup>2</sup>			
with IF710/70R42 in dual wheel configuration	30 450 cm <sup>2</sup> /0.89 kg per cm <sup>2</sup>			
Turning radius		5.9		6.0
with 800/70R38, m				
<b>Weights<sup>3</sup></b>				
Average shipping weight, kg	18 800	19 200	19 700	
Maximum ballasting weight, kg	22 100	24 720	27 200	
<b>TYRE SIZES</b>				
Max tyre sizes, diameter in cm	800/70R38 (Group 48)			

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

<sup>1</sup> Width is depending on tyre settings

<sup>2</sup> Calculated with a fully ballasted 9R at 27 220 kg. Total flat plate areas are different for each tyre manufacturer.

The figures used are averages and should be used only to estimate flat plate area

<sup>3</sup> Equipped with 800/70R38 single wheel tyres, with no PTO, with no rear hitch

### YOUR POWERFUL ALL-ROUNDER

The 9R is a smart choice if you are looking for flexibility. With a broad range of ballasting and wheel-change options, it does an excellent job throughout the year on multiple applications and in virtually any conditions.

