

9RT SERIES

2-TRACK TRACTORS



MAKING THE RIGHT CHOICE



JOHN DEERE

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9RT SERIES

MAXIMUM POWER TO THE GROUND

2-TRACK TRACTORS

Turning just one axle, the 9RT puts most power to the ground and delivers excellent straight-line pulling. With a 0° turning radius it is also highly manoeuvrable.

WORLD-CLASS STEERING

9RT tractors feature speed-sensitive steering to improve performance and durability across a wide range of applications: the steering control unit adjusts the steering rate according to the vehicle's ground speed while the steering sensitivity can be adjusted by the operator. All 9RT tractors are fitted with a 130 cc heavy-duty steering pump for solid steering performance in tough working conditions.

EFFICIENCY AND PERFORMANCE

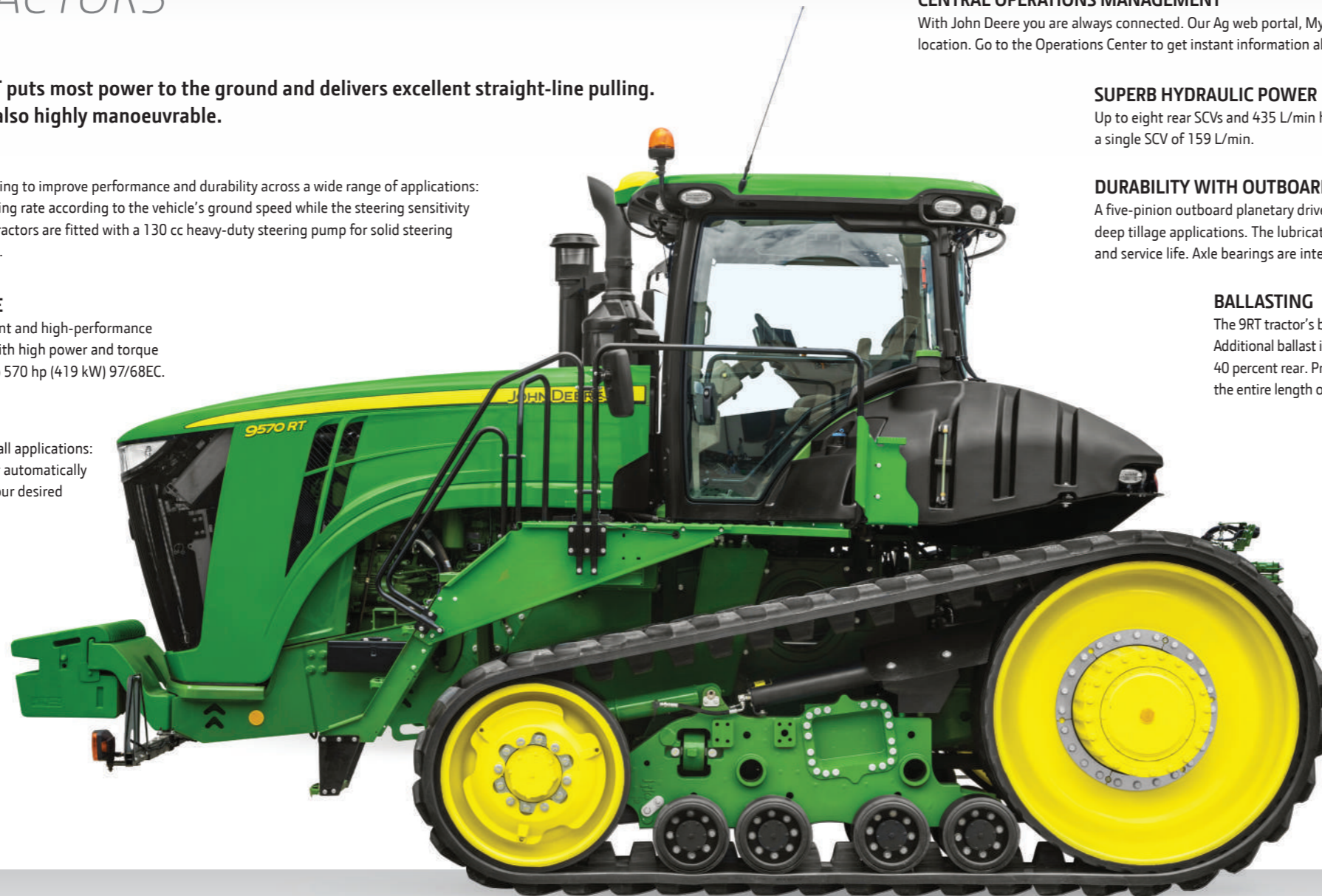
9RT tractors are powered by highly efficient and high-performance 13.5 L John Deere PowerTech™ engines with high power and torque outputs, delivering maximum power up to 570 hp (419 kW) 97/68EC.

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.

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.



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. Move up to the next level in precision and productivity with Section Control and documentation capabilities.

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.

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.

DURABILITY WITH OUTBOARD PLANETARY FINAL DRIVES

A five-pinion outboard planetary drive set and stronger axle housing improve handling for the increased horsepower used in deep tillage applications. The lubrication system features pressurised, cooled and filtered oil for greater component reliability and service life. Axle bearings are internally lubricated, eliminating the need for external grease Zerk fittings.

BALLASTING

The 9RT tractor's base weight alone will be adequate for putting power to the ground for nearly all applications. Additional ballast is, however, likely to be necessary to obtain the optimum weight split of 60 percent front and 40 percent rear. Proper weight split ensures maximum in-field performance by maintaining ground contact over the entire length of the track belt as well as optimising ride quality.

BALLAST OPTIONS

- 9RT with front suitcase weights
- 9RT with front idler wheel weights
- 9RT with side weight support

TRACK BELT OPTIONS

John Deere offers the Camso Durabuilt™ 4500 and 6500 series rubber track options exclusively in 762 mm (30") and 914 mm (36") widths. The Durabuilt 6500 series track is the most durable for 9RT tractors. It provides improved rubber and more woven steel threads for extended tread and guide-lug life in severe applications.

TYRE FLAT PLATE AREA

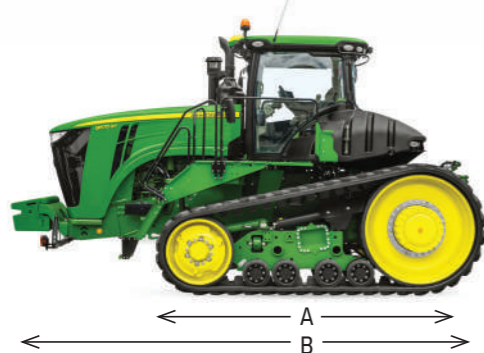
To calculate the kg per cm² exerted to the soil by the machine, divide the machine weight by the total flat plate area (indicated in the picture).

TRACK SIZE	FLAT PLATE	GROUND PRESSURE
762 mm	44 903 cm ²	0.545 kg per cm ²
914 mm	53 884 cm ²	0.455 kg per cm ²



DIMENSIONS

The 9RT offers the ideal compromise between compactness and high ground contact area.



A | WHEELBASE
2 956 mm

B | OVERALL LENGTH
7 274 mm



C | WIDTH
3 454 mm with 762 mm tracks
3 607 mm with 914 mm tracks

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
- Two track options (760 mm or 915 mm) to choose from to get the power on the ground, lowering soil compaction
- 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

9RT SERIES 2-TRACK TRACTOR SPECIFICATIONS

MODEL	9470RT	9520RT	9570RT
ENGINE PERFORMANCE			
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
Manufacturer			
Type	John Deere Power Systems		
Rated engine speed, rpm	John Deere PowerTech 13.5 L (B20 diesel compatible), diesel, in-line, 6-cylinder, wet sleeve cylinder liners with four valves-in-head		
Aspiration	Turbo charged, air-to-air aftercooling system		
Fuel injection	Electronically controlled, electronic unit injectors (self priming)		
TRANSMISSION			
e18 18-speed PowerShift with Efficiency Manager	40 km/h @ 2 100 rpm with 205 cm tyres		
18 Forward/6 reverse gears, right hand reverser			
AXLES			
Track belts	Camsø® Durabuilt® 4500 and Camsø® Durabuilt 6500 series track belts		
Types	Base: Camsø AG 6500 Optional		
760 mm wide belt	Outside to outside track width of 3 450 or 3 610		
915 mm wide belt			
Track spacing, mm	Outboard planetary		
Final drives			
Final drives			
Suspension system	Base		
AirCushion suspension system	Not available		
Differential lock			
Differential lock			
Brakes	Hydraulic power, wet disk, self adjusting Optional: Hydraulic single line system		
Tractor brake system			
Implement brake system			
STEERING AND HYDRAULIC SYSTEM			
Hydraulic power steering	Speed-sensitive, hydrostatic, differential Heavy-duty steering pump – 130 cm ³		
Steering pump			
HYDRAULIC SYSTEM			
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		
REAR HITCH			
Type	Electric-hydraulic 3-point hitch with draft sensing		
Category 4 N/3 with quick coupler – all axle diameters	Optional: 6 940 kg Not available		
Category 4 N/3 with quick coupler	Optional: 9 072 kg Not available		
Category 4 N/4 with quick coupler – all axle diameters	Optional: 6 940 kg Base: 9 072 kg		
Category 4 N/4 with quick coupler			
DRAWBAR AND TRAILER HITCH			
Category 5, with 70 mm pin heavy-duty swinging drawbar support	Base: 5 440 kg maximum, vertical load		
Category 5, 70 mm pin with non-swinging drawbar support	Optional: 5 440 kg maximum, vertical load		
REAR PTO			
Type	Optional – fully independent rear PTO, Stub 1 – 45 mm diameter, 20-spline, 1 000 rpm		

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MODEL	9470RT	9520RT	9570RT
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CAB AND TECHNOLOGY			
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		
ActiveSeat	Optional – active, electro-hydraulic suspended seat with air suspension		
AutoTrac Ready	Base		
GreenStar Ready	Base		
JDLINK Ready	Base		
ISOBUS implement connection	Base		
CAPACITIES			
Fuel tank, L	1 325		
Cooling system, L	56.5		62.0
Engine oil capacity, L	48		43.5
Hydraulic, transmission, axle oil with 3-point rear hitch and PTO, L	308		
DIMENSIONS AND WEIGHTS			
Wheelbase, mm	2 956		
Overall length, mm	7 274		
Maximum length, measured with front weights, excluding hitch and coupler			
Overall height, mm	3 872		
Minimum height, measured to the top of exhaust extension			
Overall width, mm	3 450		
Width with 760 mm belts	3 860		
Width with 915 mm belts			
Track flat plate area and ground pressure ¹	44 903 cm ² / 0.55 kg per cm ² 53 884 cm ² / 0.45 kg per cm ²		
with 760 mm belts			
with 915 mm belts			
Turning radius	5.9		
with 800/70R38, m	6.0		
Weights²			
Average shipping weight, kg	20 370		
Maximum ballasting weight, kg	24 500		

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

¹ Calculated with a fully ballasted 9RT at 24 500 kg. The figures used are averages and should be used only to estimate flat plate area

² Equipped with 760 mm belts, with no PTO, with no rear hitch

AIRCUSHION SUSPENSION SYSTEM

All 9RT tractors are equipped with the exclusive AirCushion™ suspension system. It isolates the entire front chassis from harsh inputs due to uneven terrain and allows each track to operate independently for maximum ground contact. The system also allows the vehicle to travel much faster over rough terrain while providing increased operator comfort.

- Massive centre pin allows the swing arm and walking beam to pivot
- Two air bags and a heavy-duty shock absorber minimise bump impact
- Heavy-duty bushing provides a pivot point for movement to provide extra cushioning
- The large reaction arm connects the axle of the tractor and pivots up and down



MAXIMUM POWER TO THE GROUND

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