

# 8RT SERIES

2-TRACK TRACTORS




**JOHN DEERE**

*MAKING THE RIGHT CHOICE*

NOTHING RUNS LIKE A DEERE

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# 8RT SERIES

## 2-TRACK TRACTORS

### GIVING YOU WHAT MATTERS MOST

Breathtaking performance, with a cab second to none, optimum comfort, low cost of operation and maximum uptime. These are the things that you tell us matter most. And they are all embodied in the latest John Deere 8R and 8RT series tractors.

#### PRECISION AGRICULTURE

The StarFire 6000 receivers come with an improved signal range. The all-new SF3 signal features in-season repeatability at  $\pm 3$  cm accuracy.

High power density coupled with a high horsepower rating up to 370 hp (272 kW) 7/68 EC gives you speed and efficiency. Extensive hitch and PTO options also make the 8RT series tractors extremely versatile.

#### PERFORMANCE

Efficient 9.0 L engine with high power outputs, technology for a high transient engine response.

#### PERFORMANCE AND SERVICE LIFE

Optimised lug geometry for maximum guiding surface increases performance for hillside applications.

#### POWER OF CHOICE

Super-efficient e23 transmission or step-less AutoPowr (IVT).



#### COMFORT IN TOUGH CONDITIONS

Your comfort is our priority. The industry leading AirCushion suspension on 8RT series tractors isolates the cab from the bumps of uneven terrain and provides the smoothest of rides for the operator, both in the field and at transport speeds.

#### COMFORT

Quietest cab in the industry (69 dB (A)).

#### STRONG HYDRAULICS

Six rear SCVs, enough lift capacity for all jobs plus 90 L oil take-out capacity.

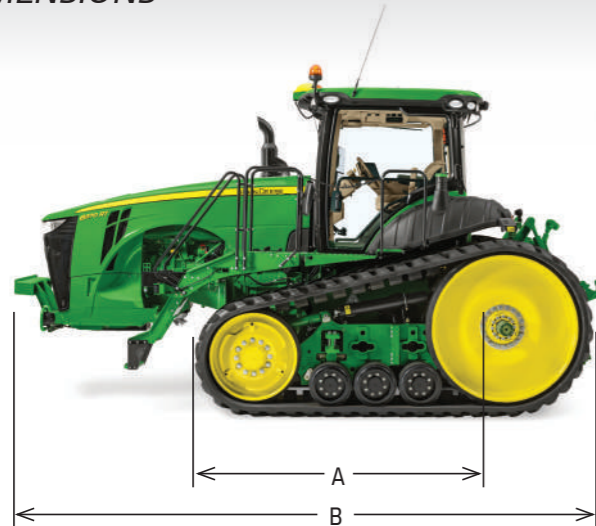
#### TRACK BELT OPTIONS

John Deere offers the Camso Durabuilt® 4500 and 6500 series rubber track options exclusively in a range starting from 400 mm up to 760 mm widths. The Durabuilt 6500 series track is the most durable for 8RT tractors. It provides improved rubber and more woven steel threads for extended tread and guide-lug life in severe applications.

#### HEAVY-DUTY MID-ROLLERS

The heavy-duty mid-rollers are designed for applications requiring frequent transport at higher speeds, transporting at the upper limit of the tractor's ballasted weight, and higher vertical drawbar loads.

### DIMENSIONS



**A | WHEELBASE**  
2 515 mm

**B | OVERALL LENGTH**  
6 912 mm maximum length, measured from rear hitch to front weights



**C | WIDTH**  
2 743 mm overall width, measured at the rear axle, end to end

**D | TOTAL HEIGHT**  
3 558 mm overall height, measured from the ground to the top of the beacon light

#### PERFORMANCE

- Powerful PowerTech™ 9.0 L Tier II engine for more hectares per hour
- e23™ transmission with versatile speed selections to optimise application speed
- Up to 227 L/min hydraulic flow at lower engine rpm, optimising requirements for large implements and planters

#### UPTIME

- New redesigned CommandArm™ swiveling with seat for ultimate comfort for increased hours in the field
- Mounted 4 100/4 600 CommandCenter display on CommandArm™ for quick access to machine data
- ActiveSeat™ option for enhanced operator experience with 40° of swivel

#### COST OF OPERATION

- Save more fuel, the e23™ transmission with Efficiency Manager auto shift up and down controlling throttle to reduce fuel
- Eco mode on e23™ and IVT™ transmissions reduces engine speed and improves engine efficiency while in transport/haulage applications
- JDLink™ reduces unnecessary downtime and keeps machine running at optimum levels and reduced cost

## 8RT 2-TRACK SERIES TRACTOR SPECIFICATIONS

MODEL	8320RT	8345RT	8370RT
<b>ENGINE PERFORMANCE</b>			
Rated engine power (97/68 EC), hp (kW)	320 (235)	345 (254)	370 (272)
Max engine power at 1 900 rpm (97/68 EC), hp (kW)	352 (261)	380 (290)	407 (298)
Rated engine power (ECE-R24), hp (kW)*	307 (226)*	331 (244)*	355 (261)*
Max engine power at 1 900 rpm (EC), hp (kW)	338 (249)	364 (268)	391 (287)
Engine peak torque @ 1 600 rpm (Nm)	1 498	1 615	1 732
<b>ENGINE</b>			
Manufacturer	John Deere Power Systems		
Type	John Deere PowerTech 9.0 L, 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, high pressure common rail with electric fuel transfer pump		
<b>TRANSMISSION OPTIONS</b>			
e23 transmission with Efficiency Manager			
23 Forward/11 reverse gears, 40 km/h, left and right hand reverser			
AutoPower (IVT)	42 km/h @ 1 000 rpm		
Variable, 0.05 - 42 km/h, left and right hand reverser	42 km/h @ 1 550 rpm		
<b>REAR AXLES</b>			
Final drives	Inboard planetary		
Track type	Cams® DURABUILT® 4500 and 6500 series track belts		
Track widths	400 mm/450 mm/600 mm/625 mm/760 mm		
Mid-rollers	Rubber mid-rollers or polyurethane mid-rollers (for 600 mm or narrower belt)		
Undercarriage suspension	AirCushion adaptive air suspension		
<b>STEERING AND HYDRAULIC SYSTEM</b>			
Steering			
Steering type	Tilt-telescope steering console with memory function		
Hydraulic power steering with electric pump back-up	Speed-sensitive, hydrostatic differential – 406 mm steering wheel diameter Turns lock to lock: 1.8		
Hydraulics			
Type	Closed-centre, pressure and flow-compensated system (PFC) with load sensing		
Main pump, axial piston (displacement), cm <sup>3</sup>	85		
Maximum pressure	204 bar/300 kPa		
Rated flow, 85 cm <sup>3</sup> pump, L/min	227		
Rear selective control valves with 1/2 inch ISO couplers	4/5/6		
Power beyond couplers	Optional: 1/2 or 3/4 inch couplers		
<b>REAR HITCH</b>			
Type	Electro-hydraulic lower link sensing; load and depth control, infinite mix, float		
Category	4N/3		
Coupler system	Walterscheid hook style ends		
Maximum lift capacity (measured at the coupler jaw)	11 870 kg		

This literature has been compiled for broad circulation in Sub-Saharan Africa. While general information, pictures and descriptions are provided, some illustrations 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	8320RT	8345RT	8370RT
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### DRAWBAR

Swinging drawbar Cat 4 with 50 mm pin

Maximum vertical load (please check country specific limitations) 2 245 kg with Cat 4, 4 990 kg with Cat 4 HD

### REAR PTO

Type Independent, electro-hydraulic switched, oil-cooled multi-disk clutch  
Sub 1 – 45 mm diameter, 20-spline, 1 000 rpm  
1 000 PTO rpm @ 2 000 rated engine rpm speed

### CAB AND TECHNOLOGY

Specifications CommandView III cab, LH panorama door, automatic air-conditioning and Generation 4 CommandCenter display  
Standard Generation 4 CommandCenter 4 100 processor with seven inch or optional 4 600 processor with ten inch touchscreen display

Display

AutoTrac Ready Base

GreenStar Ready Base

JDLINK Ready Base

ISOBUS implement connection Base

### CAPACITIES

Fuel tank, L 758

Cooling system, L 32.6

Engine oil capacity, L 25

Transmission, differential, hydraulic system, L 180

### DIMENSIONS AND WEIGHTS

Wheelbase, mm 2 515

Overall length, mm (rear hitch and front weight support with weights) 6 912

Overall height, mm (from the ground to top of the beacon light) 3 558

Overall width, mm<sup>1</sup>

Rear axle, end to end (short/long) 2 743/3 454 mm

Track settings with 2 743 mm rear axle and 625 mm track width<sup>2</sup> 1 828 - 2 337 mm

Track settings with 3 454 mm rear axle and 625 mm track width<sup>2</sup> 1 828 - 3 048 mm

Ground clearance, mm

Drawbar clearance 411

Weights

Average shipping weight, kg<sup>3</sup> 16 225

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

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

<sup>2</sup> Outer track width might be narrower than the overall axle widths

<sup>3</sup> Equipped with e23/87 L diesel/625 mm tracks/Cat 4 HD drawbar/Cat 4 HD front weight support without weights

