8R SERIESWHEEL TRACTORS



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POWER TO DO MORE

High power density coupled with a high horsepower rating (up to 450 max engine hp with IPM) gives you speed and efficiency. Extensive hitch and PTO options also make the 8R series tractors extremely versatile.

THE POWER OF CHOICE

The 8R series tractors offer a range of transmission options to tackle the challenges of your operations. We offer you the flexibility to choose the right transmission to fit your needs: e23 transmission is engineered to deliver maximum efficiency for arable farming. Alternatively choose full PowerShift (16/5) or the intuitive functionality of AutoPowr infinitely variable transmission.

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.

EASY TO USE

Generation 4 CommandCenter with ten inch touchscreen.

PERFORMANCE

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

RIDE AND DRIVE QUALITY

Independent front-axle suspension (ILS) plus ActiveSeat or cab suspension and ActiveCommand Steering (ACS) system.

e23 INDUSTRY LEADING TECHNOLOGY

e23 combines all the benefits of a mechanical transmission with the ease of use of an AutoPowr. Ten fully powershiftable gears in the main working range (5 - 16 km/h) for maximum pulling power on the field at the right rpm.

16-SPEED POWERSHIFT

The 16-speed PowerShift transmission is available for the smaller models up to the 8320R with 16 forward and five reverse 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

AUTOPOWR: OUTSTANDING EFFICIENCY

The exclusive John Deere built AutoPowr transmission with four ranges always ensures a maximum mechanical power transfer in all speed ranges. With 55 - 100% of mechanical power flow, the AutoPowr transmission boosts the efficiency of the tractor and gets more power to the ground.

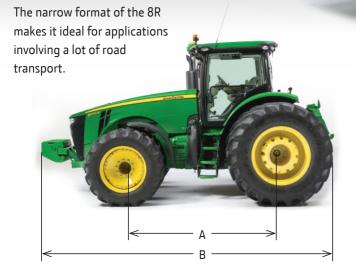
40 DEGREE SWIVEL SEAT

Visibility and comfort is better than ever, especially when you rotate the seat 40 degrees for a nearly unobstructed view of your attachments. You will feel the difference after a day's work.

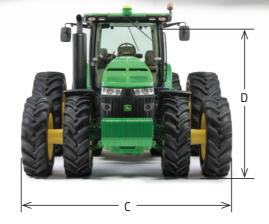
PERFECTLY BALANCED

The Group 48 and 49 tyres provide excellent power transfer with a perfect weight split.

DIMENSIONS



A | WHEELBASE 3 050 mm **B | OVERALL LENGTH**6 820 mm maximum length, measured from rear hitch to front hitch



C | WIDTH 2 550 mm with 710/70R42 tyres and narrowest tread setting **D | TOTAL HEIGHT** 3 667 mm (top of cab)

MORE TRACTION

Better traction means increased productivity. The structural chassis of the 8R series has been designed for unprecedented power density. With a robust chassis, Independent Link Suspension (ILS) providing extra drawbar pull, and a long wheelbase for additional traction and stability, John Deere 8R tractors allow you to do more, even in tough conditions.

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
- Large Group 48 and 49 rear wheel options, maximising power transfer to the ground

UPTIME

- CommandARM™ swiveling with seat for ultimate comfort for increased hours in the field
- Mounted 4 100/4 600 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 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
- AutoTrac™ and JDLink™ which means you can improve efficiency while receiving support on the go, reducing cost
- Economy 1 000 rpm PTO electronically controlled to operate engine @ 1 600 rpm, reducing fuel spend

Main of special property 250 (1981 257) (1891 258 (1891 257) (1891 258 (1891 257) (1891 258 (1891 257) (1891 258 (1891 257) (1891 258 (1891 257) (1891 258 (1891 258 (1891 257) (1891 258 (MODEL ENGINE PERFORMANCE	8245R					
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urer sine power (ELC. H. 24), hp (kW) sine power at 1900 rpm (IMm) sine speed, rpm speed speed, rpm sp	Max engine power at 1 900 rpm (97/68 EC), hp (kW)	270 (198)	297 (218)	324 (239)	352 (259)	380 (279)	407 (299)
sak torque @ 1 600 rpm (Nm) sine speed, rpm sine speed spears, right hand reverser speed spears, right and right hand speed s	Kated engine power (ECE-R24), hp (kW)* Max engine power at 1 900 rpm (EC), hp (kW)	235 (173)* 259 (190)	285 (191)*	312 (229)	338 (249)	331 (244)* 364 (268)	355 (261)*
usine speed, rpm Ition SISION OPTIONS SISION OPTIONS Weishift with Automatic PowerShift (APS) rd/5 reverse gears, right hand reverser mission with Efficiency Manager rd/11 reverse gears, 40 km/h, left and right hand mission with Efficiency Manager rd/11 reverse gears, 40 km/h, left and right hand mission with Efficiency Manager 10 mm diameter shaft with double taper wheel hubs weis 35 m bolt circle el equipment (diameter) ss MFWD axie so MFWD a	Engine peak torque @ 1 600 rpm (Nm) ENGINE	1 147	1 264	1381	1 498	1615	1732
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verShift with Automatic PowerShift (APS) rd/5 reverse gears, right hand reverser mission with Efficiency Manager rd/11 reverse gears, 40 km/h, left and right hand reverser mission with Efficiency Manager 10 mm diameter shaft with double taper wheel hubs 10 mm diameter shaft with double taper wheel hubs wide, 335 mm boilt circle elequipment (diameter) se MFWD axie es MFWD axie es MFWD axie power steering with electric pump back-up pressure ype power steering with electric pump back-up pressure x, 85 cm pump, Umin (Base) x, 85 cm pump, Umin (Base) x, 404 pump axie plus 35 cm², Umin (Optional) tive control valves with 1/2 inch iSO couplers the control valves with 3/4 inch iSO couplers CH ystem ystem iff capacity (measured at the coupler jaw) iff capacity (measured at the coupler jaw)	TRANSMISSION OPTIONS						
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pendent Link Suspension axles es MFWD axle es MFWD axle es MFWD axle f. AND HYDRAULIC SYSTEM power steering with electric pump back-up s s s x, 85 cm pump, L/min (Base) w, dual pump 85 cm² plus 35 cm², L/min (Optional) titive control valves with 172 inch ISO couplers trive control valves with 374 inch and 172 inch ers CH ystem int through full range (at 610 mm behind coupler jaw) int through full range (at 610 mm behind coupler jaw)	kear wheel equipment (diameter)	205 cm (Grou	up 48) or 215 cn configuration—	n (Group 49) dia see dealer for ty	meter tyres avaire size selection	ilable as single o n and limitations	r dual wheel
es MFWD awle JAND HYDRAULIC SYSTEM sype power steering with electric pump back-up pressure w, 85 cm² pump, L/min (Base) w, 40 som pump, Brong Plus 35 cm², L/min (Optional) tive control valves with 1/2 inch land 1/2 inch ers yond couplers CH ity through full range (at 610 mm behind coupler jaw) iff capacity (measured at the coupler jaw)	ront axles LS – Independent Link Suspension axles 500 Series MFWD axle			Ba Opti	se onal		
power steering with electric pump back-up s s p. axial piston (displacement), cm³ p. axial piston (displacement), cm³ p. axial piston (displacement), cm³ w, daal pump 85 cm² Umin (Optional) tive control valves with 172 inch 150 couplers trive control valves with 3/4 inch and 1/2 inch ers cyond couplers CH ith couplers in through full range (at 610 mm behind coupler jaw) if through full cange (at 610 mm behind coupler jaw)	1300 Series MFWD axle STEERING AND HYDRAULIC SYSTEM		Optional			N/A	
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Closed-centre, pressure and flow-compens Base: 85 cm³ and Optional: deal 204 ban/301 227 227 227 321 4/5/6 Max five available (5CV 1: 3/4 inch coup Optional: 1/2 or 3/4 Electro-hydraulic lower link sensing: load a 3/3N or 4N/3 Walterscheid hoo Base: 9 072 kg, Cat 4N/3 – requires Group 48 or 49 tyres Croup 48 or 49 tyres Croup 48 or 49 tyres Croup 48 or 49 tyres Chapting 11 21 4 kg, Cat 3/3N – requires Croup 48 or 49 tyres	łydraulics				0.000		
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Dational: 11 214 469. Cet 21 3/4 inch coup Optional: 12 or 3/4 inch coup Optional: 1/2 or 3/4 inch coup Optional: 1/2 or 3/4 inch coup Optional: 1/2 or 3/4 inch coup Optional: 3/3 N or 4 N/3 Walterscheid hoo Base: 9 072 kg, Cat 4 N/3 - requires Group 48 or 49 tyres Coup 48 or 49 tyres Croup 48 or 49 ty	Main pump, axial piston (displacement), cm³ Maximum pressure		Base: 85 cm³	and Optional: di 204 bar/	ual pump 85 cm 300 kPa	³ plus 35 cm³	
Max five available (SCV 1: 3/4 inch coup Max five available (SCV 1: 3/4 inch coup Optional: 1/2 or 3/4 Electro-hydraulic lower link sensing; load a 3/3N or 4N/3 Walterscheid hoo Base: 9 072 kg, Cat 4N/3 - requ Optional: 8 391 kg, Cat 3/3N - requires Group 48 or 49 tyres Group 48 or 49 tyres Group 48 or 49 tyres Croup 48 or 49 tyres Optional: 11 214 kg, Cat 3/3N - requires Group 48 or 49 tyres Optional: 00 potional: 80 py kg, Cat 3/3N - Optional: 80 py kg, Cat 3/3N - Cat 3/3N	Rated flow, 85 cm³ pump, L/min (Base)			22	.7		
Max five available (SCV 1: 3/4 inch coup optional: 1/12 or 3/4 Electro-hydraulic lower link sensing, load is 3/3N or 4N/3 Walterscheid hoo Base: 9 072 kg, Cat 4N/3 – requires Group 48 or 49 lyres Group 48 or 49 lyres Optional: 6 350 kg, Cat 3/3N – Requires Group 48 or 49 lyres Optional: 11 21 4 kg, Cat 3/3N – requires Group 48 or 49 lyres Optional: 8079 kg, Cat 3/3N – Optional: 6 300 kg, Cat	kated flow, dual pump 85 cm³ plus 35 cm³, L/min (Optional) Rear selective control valves with 1/2 inch ISO couplers			32	.1		
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Electro-hydraulic lower link sensing; load is 3/3N or 4N/3 3/3N or 4N/3 Walterscheid hood base. 9 072 kg, Cat 4N/3 – requires Group 48 or 49 tyres Optional: 0 133 kg, Cat 4N/3 – requires Group 48 or 49 tyres Optional: 0 183 kg, Cat 4N/3 – requires Group 48 or 49 tyres Optional: 0 183 kg, Cat 3/3N – requires	Power beyond couplers REAR HITCH		0	ptional: 1/2 or	3/4 inch coupler	'n	
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Optional: 11 24 kg, Cat 3/38 – requires ift capacity (measured at the coupler jaw) Group 48 or 49 tyres Optional: 6 579 kg, Cat 3/38 – Optional: 6 579 kg, Cat 3/38 –			Optional: 6 Base: 11 933	350 kg, Cat 3/3l kg, Cat 4N/3 – r	N – requires Gro equires Group ⁴	oup 47 tyres +8 or 49 tyres	
	Maximum lift capacity (measured at the coupler jaw)	Optional: 11	214 kg, Cat 3/3 oup 48 or 49 tyr	N – requires es	Optional: 8 Gr	384 kg, Cat 4N/3 oup 48 or 49 tyr	SN – requires es
	2) <u>1:</u>		Optional: 8	679 kg, Cat 3/3ا معرفر التحاطية	N – requires Gro	oup 47 tyres	

This literature has been compiled for broad circulation in Sub-Saharan Africa. While general information, pictures and descriptions 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 Jeaping deer logo and the JOHN DEERE word mark are trademarks of Deere & Company.

Swinging drawbar	Cat 3, Cat 4 or Cat 4 HD with 50 mm pin
Maximum vertical load	1837 kg with Cat 3 2 245 kg with Cat 4, not recommended with 540 rpm PTO
	Base: 4 990 kg with Cat 4 HD, not recommended with 540 rpm PTO
REARPTO	
Туре	Independent, electro-hydraulic switched, oil-cooled multi-disk clutch
Stub 1 – 45 mm diameter, 20-spline, 1 000 rpm	Base: 1 000 PTO rpm @ 1 995 rated engine rpm speed
Stub 1 – 1 000 rpm (20-spline) capable of 35 mm 540 rpm (6-spline)/1 000 rpm (21-spline) PTO CAB AND TECHNOLOGY	Optional: 540/1 000 rpm PTO @ 1 810/1 950 rated engine rpm
Specifications	CommandView III cab, LH panorama door, automatic air-conditioning and Generation 4 CommandCenter display
Suspension system	Optional – hydraulic cab suspension plus (HCS Plus) or John Deere exclusive ActiveSeat
Display	Standard Generation 4 CommandCenter 4 100 processor with seven inch or optional 4 600 processor with ten inch touchscreen display
AutoTrac Ready	Base
GreenStar Ready	Base
JDLINK Ready	Base
SOBUS implement connection CAPACITIES	Base
Fuel tank, L – with Group 48 tyres	615
Fuel tank, L – with 215 cm Group 49 tyres	675
Cooling system, L	32.6
Engine oil capacity, L	27.5
Transmission, differential, hydraulic system, L DIMENSIONS AND WEIGHTS	165
Wheelbase, mm	3 050
Overall length, mm	
Maximum length, measured from rear hitch to front	9636
Overall height: mm	
Maximum height, measured with Group 49 rear tyres	3677
Overall width, mm	
Overall width	3012
Flange to flange width (flanged axle)	1892
Rear axle, end to end	3012
Ground clearance, mm	
Front axle clearance	290
Drawbar clearance	376
Bottom rear axle	762
Turning radius	
with 600/70R30 Group 43 tyres @ 78" spacing, ILS, m with 600/70R30 Group 43 tyres @ 74.1" spacing ILS, m ILS, m CAS 5, m charell width	5.8 6.1
with 650/60R34 Group 44 tyres @ 82" spacing ILS, m (~2.73 m overall width)	6.3
Weights	
Average shipping weight, kg	13 000
Average payload capacity, kg	2 000

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