7R TRACTORSModel Year 2021; 210-350 Engine Horsepower







MOVINGFORWARD

Multi-functional. Multi-talented. The redesigned 7R Tractors include eight models ranging from 210 to 350 hp that deliver a refined cab, plus integrated intelligence and high power-density. With a base weight of 24,700lbs, the new 7R 350 delivers 350 rated engine horsepower and 385 max engine horsepower*. That makes it the best power-to-weight ratio of any John Deere large row-crop tractor.

Take advantage of three new cab and visibility packages, fight fatigue on those long days with Triple Link Suspension (TLS™) and improved AutoTrac™, and enhanced steering ease and control with new Active Command Steering™ 2. Plus, enjoy total tractor control at your fingertips with CommandPRO™.

These are the large-hp, maneuverable tractors that deliver any task you need to accomplish in the field, barnyard or on the road.



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7R Tractors Overview

All-New Larger Cab — Select from three packages so your cab works the way you work. Features include a new ergonomic seat, Generation 4 CommandCenter™ Display, improved suspension, and more.

New LED Lighting – Make the most of your time, no matter the time, when you choose from three Visibility Packages. And with two times the LED light output compared to halogen bulbs, you can focus on the task at hand, not the amount of sunlight left.

New Styling – All-new exterior styling allows for more interior space compared to previous models.

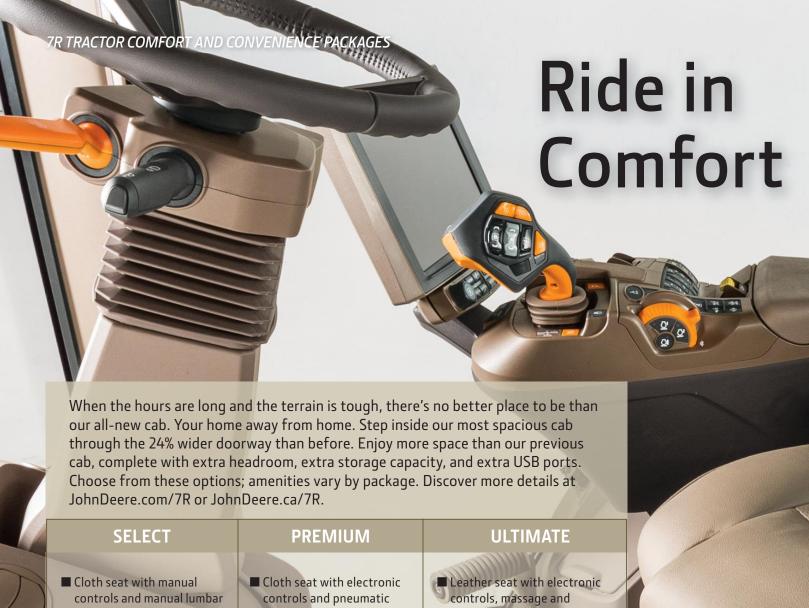
e23 PowerShift Transmission – Meet the demands of whatever conditions are thrown your way – and save on fuel costs - with three operating modes: FullAUTO, Custom, and Manual.

Integrated Intelligence:

- CommandPRO™ Control Experience seamless control of your tractor and implements in the palm of your hand. Eleven configurable buttons keep you in command of your operation.
- StarFire™ 6000 Receiver Faster planting, better accuracy, ultimate precision.
- **JDLink**^{™*} See where your machines are, what they're doing, and how they're performing with JDLink.
- AutoTrac[™] Enjoy hands-free turns and reduced overlap, all while maximizing inputs and reducing fatigue.







- support; 8° left-hand and 40° right-hand swivel
- AM/FM/WX radio with auxiliary and Bluetooth inputs; 4 speakers
- Business-band ready
- 4 USB ports and 12V outlet
- Dual-tilt steering column

- lumbar support; 25° lefthand and 40° right-hand swivel
- 6.5-inch (16.5 cm) touchscreen radio, SiriusXM ready; 6 speakers with subwoofer
- Business-band ready
- 4 USB ports, 12V outlet
- Dual-tilt steering column
- Foot rests
- Refrigerator
- Right-hand accessory rail
- 120V outlet

- pneumatic lumbar support; 25° left-hand and 40° righthand swivel; heated and ventilated; adjustable bolsters
- 6.5-inch (16.5 cm) touchscreen radio, SiriusXM ready; 6 speakers with subwoofer
- Business-band ready
- 4 USB ports, 12V outlet
- Dual-tilt steering column
- Foot rests
- Refrigerator
- Right-hand accessory rail
- Carpeted floor mat
- Leather-wrapped steering wheel
- 120V outlet

















It's easier than ever to have a connected machine. All new 7R tractors come standard with JDLink™ and five years of connected service* and capabilities, enabling you to easily benefit from technology-enabled machines.

By connecting through JDLink, you can wirelessly share information and plans with those who help you farm to make even better decisions. View reported work completed timely with Data Sync. Stay running in the field with help from your dealer using John Deere Connected Support™ and Remote Display Access. Keep track of your operation anytime and from anywhere from a desktop computer or a mobile device with John Deere Operations Center and MyOperations™ mobile app.

The primary user interface with the 7R Tractors is the Generation 4 CommandCenter™ Display for added productivity while boosting your confidence to make every pass more efficient.

Get started faster with more precision, less calibration and faster pull-in time with the integrated StarFire™ 6000 Receiver and SF3 signal. Precision Ag is built-in the tractor with AutoTrac™, Documentation, and Data Sync unlocked and ready for use. Find out more about all our latest technology including John Deere Operations Center at JohnDeere.com/7R or JohnDeere.ca/7R.

*Activation/subscription required. Some additional accessories and/or components may be required. JDLink requires a cellular connection to transfer information from machine to JDLink website. Consult your John Deere Dealer for coverage availability. Gen 4 Activations are machine specific activations that remain with the tractor. Free subscription to JDLink expires five years from date of purchase of qualifying 7R Tractor. This subscription will not be automatically renewed. To continue your subscription, you must actively renew and subscription fees shall apply.

Shift into high gear





7R TRACTORS TRANSPORT

Agility and power: the perfect combination





The power-driven support you need

With a rear hitch capacity of 17,300 lbs. (7,847 kg), you're set to pull large planters, and the optional front hitch has operations covered with front-mounted implements. A fully independent, 45-mm (1-3/4-in.), 1000-rpm PTO is standard equipment and specially designed for high-power, heavy PTO loads. Get added load-bearing strength to handle large-capacity and extra-wide implements with an optional Category 4 drawbar.

The heavy-duty hydraulic system boasts plenty of reserve capacity to operate large hydraulic motors, even at reduced engine speeds. Triple Link Suspension (TLS™) delivers electro-hydraulic automatic engagement and give you the drawbar pulling power you need in all operating conditions with reduced power hop.







The connected support you need

When you're running, you don't want anything to slow you down. Your 7R Tractor comes with five years of JDLink connected service. Once activated, your John Deere dealer can offer John Deere Connected Support™ services such as Remote Display Access and Service ADVISOR™ Remote, allowing your dealer to "dial in" to your tractor's diagnostic data and assess trouble codes to help you avoid downtime.



SPECIFICATIONS 7R TRA Manufacturers Estimates	7R 210	7R 230	7R 250	7R 270	7R 290	7R 310	7R 330	7R 350
POWER	170 hp (126 kW)	189 hp (140 kW)	205 h = (352 LW)	22/ h- (167 UM)	2/2 b- /200 UW)	260 k- (202 kW)	250 (202 144)	200 b- (202 bW)
Rated PTO power (hp SAE) at rated engine speed (2100 erpm)† Rated engine power PS (hp ISO) at rated engine speed (ECE-R12O)*	210 hp (126 kW)	230 hp (169 kW)	205 hp (152 kW) 250 hp (184 kW)	224 hp (167 kW) 270 hp (199 kW)	242 hp (180 kW) 290 hp (213 kW)	260 hp (193 kW) 310 hp (228 kW)	260 hp (193 kW) 330 hp (243 kW)	260 hp (193 kW) 350 hp (257 kW)
3	· ·	· ·	·	·		·	·	
Max engine power PS (hp ISO) at 1900 engine rpm (ECE-R120) ntelligent Power Management* (Available)	231 hp (170 kW)	253 hp (186 kW)	275 hp (202 kW)	297 hp (218 kW)	319 hp (235 kW)	341 hp (251 kW)	363 hp (267 kW)	385 hp (283 kW)
dditional engine horsepower PS (hp ISO) at 2,100 RPM (rated speed)				30				25
PTO torque rise		40%		38%			40%	
PTO power bulge ENGINE				10 %				
Manufacturer (EU Stage V)	Deere PowerTech™ PVS 6.8L	Johr	n Deere PowerTech™ PSS			John Deere Pov	werTech™ PVS 9.0L	
Rated speed	Circle to the observer	Duel to orbital		2,100	rpm I	Cinala to	ale a de a conse	
Aspiration (US EPA Final Tier 4)	Single turbocharger, variable geometry turbo		nargers, variable geomet ed geometry turbo in ser				urbocharger, eometry turbo	
Filter, engine air	Dual stage							
Displacement Bore and stroke		415 cu ir 4.19 in (106 mm) x					u in (9.0L) m) x 5.35 in (136 mm)	
Compression ratio	17.2:1		16.7:1				6.0:1	
Lubrication				Full-pressure, full-flow				
Filter, oil FUEL SYSTEM			Flectronically controlled	Replaceable cartri high-pressure common ra		fer numn (self priming)		
Filter system				stage with water separat				
ilter, primary			10 micro	n replaceable cartridge w/		and drain		
Filter, secondary TRANSMISSIONS				2 micron spin	-on element			
e23 PowerShift 40K, 26 mph (40 km/h)	Standard (42 km/h @	680 rpm w/arn 47 tires /	2 km/h @ 1600 rom w/or	p 48 tires, 42 km/h @ 152	Orom w/arn 49 tires	Standard 42 km/h @ 1	600 rpm w/grp 48 tires,	NA
1 1 1		, 31	0 , 3		7 31	42 km/h @ 1520 i	rpm w/grp 49 tires)	
e23 PowerShift 50K, 31 mph (50 km/h)	Available (50 km/h @ 2	000 rpm w/grp 47 tires, 5	0 km/h @ 1900 rpm w/gr	p 48 tires, 50 km/h @ 180	00 rpm w/grp 49 tires)	50 km/h @ 1800	900 rpm w/grp 48 tires, rpm w/grp 49 tires)	NA
John Deere Infinitely Variable Transmission, 26 mph (42 km/h)	Available (42 km/h @	1440 rpm w/grp 47 tires, 4	2 km/h @1360 rpm w/grp	o 48 tires, 42 km/h @ 1290	O rpm w/grp 49 tires)	Available	(42 km/h @ 1360 rpm w/gr m/h @ 1290 rpm w/grp 49:	p 48 tires, tires)
John Deere Infinitely Variable Transmission, 31	Ausilahla (FO km/b @ 1	900 ram w/ara /-7 tiras E	0 km/h @ 1700 sam w/as	p 48 tires, 50 km/h @ 162	Oram ware (O time)	Available	(50 km/h @ 1700 rpm w/gr	p 48 tires,
mph (50 km/h)	Available (50 kill/11 @ 1	800 Ipili W/gip 47 tiles, 5	o kiii/ii @ i/oo ipiiiw/gi			50 k	:m/h @ 1620 rpm w/grp 49	tires)
ELECTRICAL SYSTEM Alternator/Battery			St.	Iwo ba andard: 210 amp / 12 volt,	atteries in parallel Available: 250 amp / 12	volt		
Total cold cranking amps			3.	1850 (2-925 CCA		VOIL		
REAR AXLE FINAL DRIVES								
Description REAR AXLES				Inboard planeta	ary three pinion and-pinion			
110 x 3010 mm diameter (4.33 x 118.5 in)				Standard	and-pinion			NA
110 x 2550 mm diameter (4.33 x 100.4 in)				Available				NA
110 x 2808 mm diameter (4.33 x 110.5 in) 120 x 2550 mm diameter (4.72 x 100.4 in)				Available Avail	ahla			NA
120 x 2530 mm diameter (4.72 x 100.4 m) 120 x 3010 mm diameter (4.72 x 118.5 in)				Available	able			Standard
REAR WHEEL EQUIPMENT		6 1711	2//01: 111	1 (1 1		L 6 /	0//0/: 111 :	
Description FRONT AXLES		Group 47/48	3/49 tires available as sin	gies/duais		Group 4	8/49 tires available as sing	ies/duais
1150 Series MFWD - tread range 60 to 88 in (1524 to 2235 mm)	Standard				NA			
1300 Series MFWD - tread range 60 to 88 in (1524 to 2235 mm)	NA Standard						NA	
TLS - tread range 60 to 88 in. (1524 to 2235 mm)				Available				NA
TLS with front brakes, available with 40km/h, standard with 50km/h				Available				Standard
HYDRAULIC SYSTEM	'			Closed-center, pressur			'	
Selective control valves Main pump, axial piston (displacement)				Standard: 4, A Standard: 63 cc.				
Maximum pressure				2,958 psi (20,40)	0 + or- 300 kPa)			
Rated flow, 63cc pump Rated flow, 85cc pump				43 US gpm 59 US gpm				
Available flow at a single rear SCV				35 US gpm				
Available flow at a single front SCV				33 US gpm				
Take out oil capacity 3-POINT HITCH - REAR				Standard: 65 L, Availab Electrohydra				
Category 3/3N w/ Quick-Coupler				Standard: 15,20	10 lb (6894 kg)			
Category 3/3N w/ Quick-Coupler REAR POWER TAKE OFF (PTO)			Av	vailable: 17,300 lb (7847 kg Indepe		xiej		
L ³ /4 in, 20-spline, 1,000-rpm				Stani	dard			
	Available							
		Available						
1-3/4 in, 20-spline, 1,000-rpm; capable of 1-3/8 in 540/1000/1000E rpm								
1.3/a in, 20-spline, 1,000-rpm; capable of 1.3 /a in $540/1000/1000$ E rpm 1.3 /a in, 20-spline, 1,000-rpm; capable of 1.3 /a in $540/540$ E/1000 rpm			4-111	Avail	able			
1-3/4 in, 20-spline, 1,000-rpm; capable of 1-3/6 in 540/1000/1000E rpm 1-3/4 in, 20-spline, 1,000-rpm; capable of 1-3/6 in 540/540E/1000 rpm 9TO Speed @ Engine rpm			(540/1000 PTO r	Avail pm @ 1950 engine rpm) (5	able 540E/1000E PTO rpm () 1750 engine rpm)		
L-14 in, 20-spline, 1,000-rpm; capable of 1-14 in \$40/1000/1000E rpm L-14 in, 20-spline, 1,000-rpm; capable of 1-34 in \$40/540E/1000 rpm TO Speed @ Engine rpm B-POINT HITCH - FRONT Lift; capacity through full lift range, with hook style ends				Avail pm @ 1950 engine rpm) (5 Categ	able 540E/1000E PTO rpm @ ory 3N	3 1		
1-34. in , 20-spline, 1,000-rpm; capable of 1-34. in 540/1000 rpm 1-34. in , 20-spline, 1,000-rpm; capable of 1-34. in 540/1000/1000 rpm 1-34. in , 20-spline, 1,000-rpm; capable of 1-34. in 540/540E/1000 rpm PTIO Speed @ Engine rpm 3-POINT HITCH - FRONT Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 10 in behind hook point, OECD)			6,994 lb (3150	Avail pm @ 1950 engine rpm) (5	able 540E/1000E PTO rpm @ ory 3N engaging requires prem	ium front hitch)		
1-3/4 in, 20-spline, 1,000-rpm; capable of 1-3/6 in 540/1000/1000E rpm 1-3/4 in, 20-spline, 1,000-rpm; capable of 1-3/6 in 540/540E/1000 rpm PTO Speed @ Engine rpm 3-POINT HITCH - FRONT Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, OECD)			6,994 lb (3150	Avail pm @ 1950 engine rpm) (5 Categ D kg) lift capacity (ground	able 540E/1000E PTO rpm @ ory 3N engaging requires prem	ium front hitch)		
1-1/4. in, 20-spline, 1,000-rpm; capable of 1-3/4. in \$40/1000/1000E rpm 1-3/4. in, 20-spline, 1,000-rpm; capable of 1-3/4. in \$40/540E/1000 rpm PTO Speed @ Engine rpm 3-POINT HITCH - FRONT Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 10 behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 10 behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, OECD)			6,994 lb (3150 7,690 lb (3488	Avail pm @ 1950 engine rpm) (5 Categ D kg) lift capacity (ground of the capac	able 540E/1000E PTO rpm @ ory 3N engaging requires prem engaging requires prem dard	ium front hitch)		
1-1/4. in, 20-spline, 1,000-rpm; capable of 1-3/4. in \$40/1000/1000E rpm 1-3/4. in, 20-spline, 1,000-rpm; capable of 1-3/4. in \$40/540E/1000 rpm PTO Speed @ Engine rpm 3-POINT HITCH - FRONT Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, OECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, OECD) INTEGRATED TECHNOLOGY Integrated AutoTrac* Modular Telematics Gateway (MTG)		Availa	6,994 lb (3150 7,690 lb (3488	Avail pm @ 1950 engine rpm) (5 Categ D kg) lift capacity (ground of the capacity and ether	able 540E/1000E PTO rpm (6 ory 3N engaging requires prem engaging requires prem dard net harnesses (availabil	ium front hitch) ium front hitch) ity dependent upon desti	nation)	
1-34. in, 20-spline, 1,000-rpm, capable of 1-34. in \$40/1000/1000E rpm 1-34. in, 20-spline, 1,000-rpm, capable of 1-34. in \$40/540E/1000 rpm PTO Speed @ Engine rpm 3PDINT HITCH - FRONT Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 0 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with hook style ends (measured 24 in behind hook point, 0ECD) Lift capacity through full lift range, with		Availa	6,994 lb (3150 7,690 lb (3488	Avail pm @ 1950 engine rpm) [5 Categ 0 kg] lift capacity (ground of the capa	able 540E/1000E PTO rpm (ory 3N engaging requires prem engaging requires prem dard net harnesses (availabil ardware and activation nt upon destination	ium front hitch) ium front hitch) ity dependent upon desti	nation)	
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1-1/4 in, 20-spline, 1,000-rpm; capable of 1-1/4 in \$40/1000/1000E rpm 1-1/4 in, 20-spline, 1,000-rpm; capable of 1-3/4 in \$40/4000/1000E rpm 1-1/2 Speed @ Engine rpm 1-1/		Availa	6,994 lb (3150 7,690 lb (3488	Avail pm @ 1950 engine rpm) [5 Categ O kg) lift capacity (ground of the capac	able 540E/1000E PTO rpm @ ory 3N engaging requires prem engaging requires prem dard net harnesses (availabil ardware and activation nt upon destination nt upon destination	ium front hitch) ium front hitch) ity dependent upon desti	nation)	NA

Specifications and design subject to change without notice. Pre-production models shown.

*John Deere Standard RES10080, SAE Standards J1995.

† PTO power for IVT models. Does not include available equipment losses. Nominal data is metric. Standard data is converted from metric data. Use metric for all calculations.

Manufacturers Estimates	7R 210	7R 230	7R 250	7R 270	7R 290	7R 310	7R 330	7R 350	
WHEELBASE									
MFWD / TLS	115, 2 in (2925 mm)								
MFWD / TLS axle clearance - 1300 axle, G43 420/85R34 tires	19.5 in (495 mm)								
Turning radius - 380/85R34 group 42 tires @ 60" spacing, 1300		23 ft (7 m) NA							
Turning radius - 600/70R30 group 43 tires @ 74.1" spacing TLS	22 ft (6.7 m)								
Turning radius - 620/75R30 group 44 tires @ 82" spacing, TLS	28.5 ft (8.7 m)								
See OM for additional configurations									
AVERAGE BASE WEIGHT									
IVT, 85cc pump, 4 SCVs, PTO, CAT4 drawbar, 600/70R30 front tires, 710/70R42 rear tires, TLS, front hitch	25,700 lb (11700 kg)								
IVT, 85cc pump, 6 SCVs, PTO, CAT4 drawbar, 480/70R34 front tires, 480/80R50 rear tires, TLS	24,300 lb (11000 kg)								
e23, 63cc pump, 4 SCVs, PTO, CAT3 drawbar, 18.4R46 rear tires, 420/90R30 rear tires, TLS	22,200 lb (10000 kg)						NA		
Max ballast level	145 lbs/SAE PTO HP - see OM for specific ballast instructions					135 lbs/SAE PTO HP - see OM for specific ballast instructions			
Max payload capacity	See OM for details on tractor loading								
CAB									
Cab glass area	70.61 sq ft (6.56 sq m)								
Cab volume	114.42 cu ft (3.24 cu m)								





Nobody cares more about keeping your equipment in solid working order than your John Deere dealer. With a complete inventory of genuine John Deere parts, highly trained service technicians, and a thorough understanding of your business, your John Deere dealer knows how to keep you and your equipment up and running.

A strong name in equipment, and a strong dealership network: get it all with John Deere.

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