

[Home](#) > [Tractors](#) > [4wd Track Tractors](#) > [9R 640 Tractor](#)



9R 640

Tractor

- Engine HP: 691 Max / 640 hp Rated
- AutoTrac™, StarFire™ receiver, and Gen 4 display integrated
- e18™ PowerShift Transmission
- Choice of three different cab and visibility packages

[Build Your Own](#)

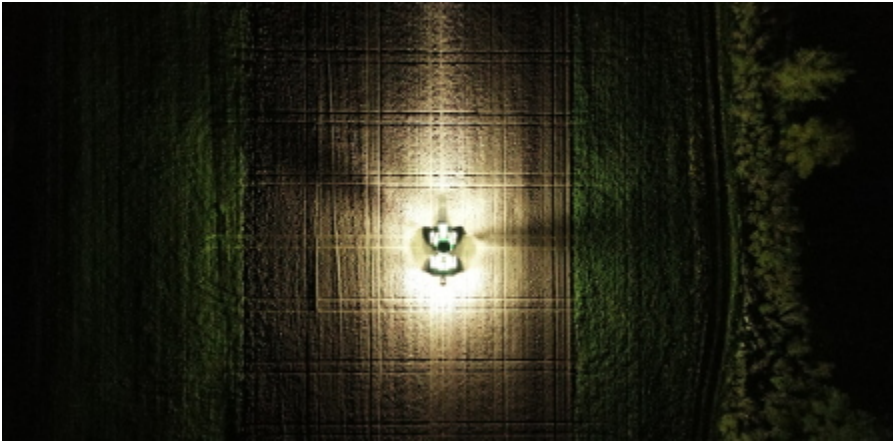
[Find a Dealer](#)

[Request a Demo](#) >

Features

[Collapse All](#)

— 9 Series Visibility packages let you run with confidence, dawn until dusk



Ultimate Visibility package at night

Visibility is more than just lighting. It’s mirrors where you need them, shades for the blinding late-fall and early-spring sun, wipers to help keep all the glass clear, and integrated camera capability right from the factory. The new 9 Series Tractors let you choose the visibility package that best suits your needs – Select, Premium, or Ultimate with 360-degree light-emitting diode (LED) lighting –so you and your operators can run with all-conditions confidence.

	Select	Premium	Ultimate
Lighting	18 halogen worklights	18 LED worklights	24 LED worklights and eight LED convenience lights*
Mirrors	Mechanical	Electric and heated	Electric, heated, and telescoping
Sunshades	Front	Front, right-hand side, and rear	Front, right-hand side, and rear
Wipers	Front and rear	Front, right-hand side, and rear	Front, right-hand side, and rear
Cameras	Camera ready	Camera ready	Front and rear integrated cameras

*Convenience lights illuminate the corners of the cab for easier entry and exit.

— Put more power to the ground, more comfortably, with the industry-exclusive HydraCushion™ suspension



9R 640 equipped with HydraCushion suspension

Power that doesn't get to the ground is power that's being wasted. And a bumpy, hoppy ride can quickly drain an operator's energy and productivity. So to help you get the most from every horse under the hood and every hour in the cab, 9R Tractors in wheeled configurations are available with the advanced, industry-exclusive HydraCushion suspension (HydraCushion is standard equipment on 477-kW [640-hp] models).

Along with a proven-reliable suspension design, HydraCushion suspension uses an advanced system of electronic sensors and hydraulic components to keep the chassis and front differential vertically centered, giving you more consistent contact with the ground while reducing road lope and smoothing out the bumps that cause a rough, tiring ride.

-
- In the field or on the road: adjust steering ratio on-the-go with ActiveCommand Steering (ACS™)



9RX in transport

You don't have to compromise between pinpoint turns in the field and smooth, easy steering during transport – you can have it all with ActiveCommand Steering (ACS), available on all 9R and 9RX Tractors.

ACS lets you choose your steering ratio based on the task at hand. For precise headland maneuvers in the field, choose a tight 3.5 turns lock-to-lock. When you're done in the field, ACS gives you a full five turns for smoother line-holding during road transport. Variable-effort resistance automatically changes with ground speed; you'll notice a lighter touch during low-speed, in-field turns, and increased feedback at transport speeds for more comfortable, confident steering over the road. Plus, ACS works seamlessly with AutoTrac™ guidance systems and is compatible with wide and narrow section width tires as well as wide and narrow belts on 9RX models.

The end result? Reduced overall steering effort and fatigue, no drift and no backlash through the hand-wheel, all with the “connected” feel of a traditional steering column system

-
- John Deere integrated solutions: a world of connected technology, right from the factory





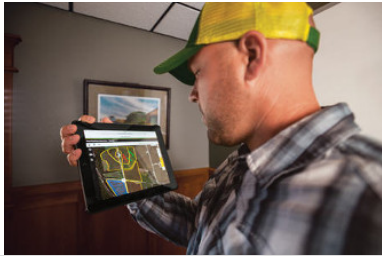
Maximizing uptime using connectivity and technology

John Deere makes it easy for you to access an entire suite of connected applications, all designed to help you make the most of every seed, every hour, every gallon, and every bit of machine-related information.

Each 9 Series Tractor comes standard with the John Deere StarFire™ 6000 Integrated Receiver and Generation 4 CommandCenter™ display; there's no need for setup, installation, or initial global positioning system (GPS) calibration. Integrated AutoTrac™ assisted steering gives you accurate, scalable guidance for low-stress operation in nearly any conditions and can improve field efficiency by 10 percent or more. The 9 Series Tractors also feature standard JDLink™ telematics and users can turn on connectivity in the John Deere Operations Center for anytime, anywhere access to critical machine and field information. And every tractor comes from the factory with John Deere Connected Support™, so you and your dealer can anticipate and address critical system needs.

From here? The sky's the limit. Choose any of our operation-specific applications to help maximize efficiency and productivity during planting, tillage, or other field activities.

**NOTE: Ordering is temporarily unavailable for the StarFire 6000 Integrated Receiver. John Deere is diligently working to resolve this issue. Please watch the Price Pages and the announcements in the Sales Manual for updates. We apologize for any inconvenience.*

		
<p>StarFire 6000 Integrated Receiver</p>	<p>AutoTrac</p>	<p>JDLink</p>
<p>Base equipment:</p> <ul style="list-style-type: none"> • Generation 4 CommandCenter display • StarFire 6000 Integrated Receiver <p>Optional equipment:</p> <ul style="list-style-type: none"> • Generation 4 CommandCenter display plus extended monitor 	<p>Base equipment:</p> <ul style="list-style-type: none"> • AutoTrac activation • SF3 accuracy (+/- 3 cm [1.2 in.]) • Data Sync <p>Optional equipment:</p> <ul style="list-style-type: none"> • AutoTrac RowSense™ system* • AutoTrac Turn Automation** • AutoPath™ system** • AutoTrac Implement Guidance* • Gen 4 Machine Sync 	<p>Base equipment:</p> <ul style="list-style-type: none"> • JDLink telematics system • Wireless Data Transfer • John Deere Connected Support service • Expert Alerts • Remote Display Access • Service ADVISOR™ Remote service tool

*Available with Premium Activation 3.0

**Available with Automation Activation 4.0

— Work at your best with 9 Series Comfort and Convenience packages



Ultimate Comfort and Convenience package (shown on 8R Tractor)

When you're spending dozens of hours per week in the cab, a comfortable operating environment isn't just an option – the right features, in the right places, let you and your operators work at your best, dawn to dusk and beyond.

The 7, 8, and 9 Series Tractors offer three Comfort and Convenience packages to fit your needs: Select, Premium, and Ultimate. But regardless of which package you choose, you'll still get the John Deere CommandARM™ console that puts critical controls within easy reach. You'll get all the storage space you need for drinks, meals, and other stowable items. And you'll have plenty of outlets to keep your electronics powered.

Comfort and Convenience packages	Select	Premium	Ultimate
---	---------------	----------------	-----------------

Seat	<ul style="list-style-type: none"> • Cloth • Mechanical controls • Mechanical lumbar • 8-degree left-hand and 40-degree right-hand swivel 	<ul style="list-style-type: none"> • Cloth • Electronic controls • Pneumatic lumbar • 25-degrees left-hand and 40-degree right-hand swivel 	<ul style="list-style-type: none"> • Leather • Electronic controls • Pneumatic lumbar • 25-degree left-hand and 40-degree right-hand swivel • Heated/ventilated • Massage • Adjustable bolsters
Infotainment	<ul style="list-style-type: none"> • AM/FM • Auxiliary and Bluetooth® wireless inputs • Four speakers 	<ul style="list-style-type: none"> • 16.5-cm (6.5-in.) touchscreen radio, XM® ready • Six speakers with subwoofer 	<ul style="list-style-type: none"> • 16.5-cm (6.5-in.) touchscreen radio, XM ready • Six speakers with subwoofer
Business band ready	X	X	X
Four USB and one 12-V outlet	X	X	X
Dual tilt column	X	X	X
Footrests	---	X	X
Refrigerator	---	X	X
120-V/300-W three-prong outlet	---	X	X
Carpeted floor mat	---	---	X
Leather-wrapped steering wheel	---	---	X

Bluetooth is a trademark of Bluetooth SIG, Inc. XM is a trademark of Sirius XM Radio Inc.

- A range of hydraulic options give you the power and flexibility to take on your toughest applications



Selective control valves (SCVs) on a 9R Tractor

Of course, the 9 Series has the hydraulic muscle you need to push, pull, lift, and power your most demanding implements. But thanks to a range of enhancements to the hydraulic system, these tractors can provide that power at lower engine speeds, saving you fuel while still giving your implements the capacity they need. Regardless of model or configuration, the new 9 Series hydraulic system gives you:

- An increase of almost 40 percent in charge pump capacity, from 54-cc to 75-cc, to help maintain a higher flow at lower engine speeds

- A new swash plate angle sensor to monitor hydraulic flow and pressure and adjust engine speed to meet demand
- An integrated hydraulic pump, filter, and priority valve for fewer and shorter lines, reduced pressure loss, fewer flow restrictions, and an extra level of reliability

And if you depend on implements that need continuous hydraulic power, the 9 Series Tractors are available with Intelligent Power Management (IPM). Using dual pumps and advanced sensor and control technology, IPM provides additional engine and hydraulic power for high-demand applications like air seeding up and over hills or through thick, tough soil.

Add in single and dual pump options and a flexible number rear SCVs, and you can configure a powerful, fuel-efficient hydraulic system to meet the demands of your specific operation without paying for capacity you don't need.

— The new 9 Series: Easy to run, easy to maintain



9RX Tractor

When you're trying to get a field planted before weather moves in, there's no time to hit a scheduled maintenance interval or get smacked with an unexpected repair. That's why we designed the 9 Series for maximum reliability and less in-season maintenance.

To start, we simplified as many systems as possible, using components common to other tractor lines and minimizing potential downtime due to parts availability. Then we eliminated as many potential pain points as possible through changes in the cooling, aftertreatment, and diagnostic systems, including:

- Replacing the fan drive system with a maintenance-free hydraulic fan drive
- Streamlining aftertreatment with a single-canister inline system that's simpler and features fewer parts
- Improving uptime by adding better descriptions to diagnostic codes and offering predictive diagnostics through John Deere Expert Alerts
- A front-left service panel for easier access to engine oil check and fill points;
- Offering a 500-hour oil change interval on the John Deere Power Systems 13.6L (827-cu in.) Final Tier 4 (FT4) engine when using approved John Deere oil and filter (the Cummins® QSX 15-L [915-cu in.] engine has a 400-hour engine oil and filter change interval).

Cummins is a trademark of Cummins, Inc.

Show Less

Specifications

Key Specs

Engine description	Cummins® X15 (B20 diesel compatible)
Engine displacement	14.9 L 912 cu in.
Rated engine power	471 kW 640 hp
Maximum engine power	508 kW 691 hp

Rated PTO power (hp SAE)	249 kW 335 hp
Transmission type	John Deere e18™ 18-speed PowerShift™ with Efficiency Manager™: 40 km/h 25 mph
Hydraulic pump rated output	Standard: 208 L/min 55 gpm Optional: 416 L/min 110 gpm
Rear hitch category (SAE designation)	Category 4N/4: 6804 kg 15,000 lb Category 4N/4: 9072 kg 20,000 lb
Base machine weight	21,174 kg 46,680 lb

Engine specifications

Description	Cummins X15 (B20 diesel compatible)
Engine type	Diesel, inline, 6-cylinder, wet-sleeve cylinder liners with four valves in-head
Rated speed	2100 rpm
Aspiration	Single variable geometry turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR)
Emission level	Final Tier 4 (FT4)
After treatment type	Diesel oxidation catalyst (DOC)/diesel particulate filter (DPF)/selective catalytic reduction (SCR)

Displacement

14.9 L
912 cu in.

Engine performance

Rated power

471 kW
640 hp

Rated PTO power (hp SAE)

249 kW
335 hp

Power boost

8 percent

Maximum engine power

508 kW
691 hp

Engine peak torque

At 1600 rpm: 2890 Nm 2132 lb-ft

PTO torque rise

35 percent

Transmission

Type

John Deere e18 18-speed PowerShift with Efficiency
Manager: 40 km/h
25 mph

Hydraulic system

Type

Closed-center, pressure-and-flow compensated

Pump rated output

Standard: 208 L/min
55 gpm
Optional: 416 L/min
110 gpm

Available flow at a single rear SCV

1.3-cm (1/2-in.) couplers: 132 L/min
35 gpm
1.9-cm (3/4-in.) couplers: 159 L/min
42 gpm

Number of rear selective control valves (SCVs)

Four to eight factory or field installed
Base: four 1.3-cm (1/2-in.) couplers
Optional: five to six 1.3-cm (1/2-in.) couplers factory installed
Optional: three 1.9-cm (3/4-in.) couplers plus five 1.3-cm (1/2-in.) couplers factory installed

SCV control

Electronic

Rear hitch

Hitch category (SAE designation)

Category 4N/4: 6804 kg
15,000 lb
Category 4N/4: 9072 kg
20,000 lb

Maximum lift capacity behind lift points

Category 4N/4: 9072 kg
20,000 lb

Sensing type

Electrohydraulic with draft sensing

Drawbar

Drawbar category

Category 5

Maximum vertical load

5440 kg
12,000 lb

Rear power take-off (PTO)

Type

Independent
44 mm (1.75 in.) 20-spline, 1000 rpm

PTO actuation

Electrohydraulic

Rear axle

Type

Diameter: 120 x 3048 mm
4.72 x 120 in.

Final drive type

Inboard planetary with double-reduction axle

Rear differential lock

Full-locking electrohydraulic

Front axle

Type

Diameter: 120 x 3048 mm
4.72 x 120 in.

Front axle differential lock

Full-locking electrohydraulic

Tires

Turning radius with brakes

Group 47 or Group 48 tires: 6.035 m
19.8 ft

**Turning radius without
brakes**

Group 47 or Group 48 tires: 6.035 m
19.8 ft

Steering

Type

Standard: Hydraulic power steering
Optional: ActiveCommand Steering (ACS™)

Electrical system

Alternator size

Standard: 250 amp

Optional: 330 amp

Battery options

12 V

Working lights

Standard: 18 halogen

Optional: 18 or 24 LED plus 8 LED convenience lights

Type of bulb in headlight (Halogen, Xenon, LED)

Standard: halogen, 65 W

Optional: LED

Total cold cranking amps

4 x 925 CCA

Total: 3700 CCA

Operator station

Seat

Degree of seat swivel, left hand

25 degree (angle)

Degree of seat swivel, right hand

40 degree (angle)

Standard: air suspension

Optional: ActiveSeat™ II

Instructional seat

Standard

Display

Standard: Generation 4 4600 CommandCenter™: 25.4 cm

10 in.

Optional: Extended monitor

Radio

Standard: AM/FM stereo with weatherband, remote controls, auxiliary input jack, four speakers and external antenna

Optional: Touchscreen radio

Inner cab volume3.27 m³

115 cu ft

Cab glass area6.64 m²

71.47 sq ft

Dimensions

Wheelbase

3912 mm

154 in.

Overall length

With front weights, excluding hitch and coupler: 7945 mm

312.8 in.

With front weights, including hitch and coupler: 8427 mm

331.8 in.

Drawbar clearance

Group 48 tires: 527 mm

20.7 in.

Approximate shipping weight, Open;Cab

21,174 kg

46,680 lb

Weight

Base machine weight

21,174 kg

46,680 lb

Maximum ballast level

30,391 kg

67,000 lb

Capacities

Crankcase oil volume

43.5 L
11.5 U.S. gal.

Fuel tank

1514 L
400 U.S. gal.

Diesel exhaust fluid (DEF) tank

120 L
31.7 U.S. gal.

Cooling system

62 L
16.3 U.S. gal.

Transmission-hydraulic system

With 3-point hitch and PTO: 227 L
60 U.S. gal.
Without 3-point hitch and PTO: 220 L
58 U.S. gal.

Serviceability

Interval for engine oil change

400 hours

Interval for

1500 hours

Interval for engine coolant

6000 hours

Precision AG

Guidance

Integrated AutoTrac™

Telematic

Available with JDLink™ hardware, activations, and Ethernet harnesses (availability dependent upon destination)

Remote diagnostics

Available with activated JDLink hardware and activations

Miscellaneous

Country of manufacture

USA

Additional information

Date collected

1 March 2021

Show Less

Accessories and Attachments

Collapse All

Cab Operator's Station

- Accessory Mounting Bracket - 9350RWRE343680
- Cell Phone Mount Kit - 9350RWBRE10015
- Clamp Style Mount - 9350RWAXE59372
- CommandARM™ Bracket - 9350RWBRE10501
- Fire Extinguisher, Wheel and 4 Track - 9350RWBRE10242
- Floor insulation - 9350RWBRE10202
- Foot rests - 9350RWBRE10458
- Foot-Operated Speed Control - 9350RWBRE10440
- Hook, Harness Routing - 9350RWR562310
- Leather Wrapped Steering Wheel - 9350RWRE584990
- RAM 1 inch T-slot Ball Mount - 9350RWBRE10482
- RAM 1.5 inch T-slot Ball Mount - 9350RWBRE10483

-
- Refrigerator - 9350RWRE593672

 - Right Window Mounting Bracket and Rail - 9350RWBRE10465

 - Secondary Hitch Controls - 9350RWBRE10437

 - Self - Leveling Cup Holder - 9350RWBRE10152

 - Short Vertical Mounting Rail - 9350RWBRE10464

 - StarFire 6000 Locking Bracket - 9350RWBPF11074

 - Storage Container with Lid/Ash Tray - 9350RWRE275532

 - Sunshade - 9350RWRE593670

 - Tablet Mount Kit - 9350RWBRE10255
-

Connectivity Hardware

-
- Front Implement CAN Communication Connector - 9350RWRE344751

 - ISO Cab Implement CAN Bus Adapter - 9350RWRE322780

 - Mounting Bracket, Universal StarFire™ - 9350RWRE588540

 - RTK Bracket Kit - 9350RWBRE10512
-

DISPLAY HARDWARE

-
- Display Harness - GS2 / GS3 Display with Video to GreenStar™ (Round) Cornerpost 762 mm (30 in.) - 9350RWFPF12435

 - Ethernet Adapter Cable (Square to Round) 800 mm (2.5 ft) - 9350RWFPF12950

 - GreenStar™/Gen4 - 254 mm (10 in.) Display Touch Panel Protector Service Kit - 9350RWPF90596

 - Harness - Original GreenStar™ Display and Mobile Processor to GreenStar™ 3 or GreenStar™ 2 (Round) Cornerpost - 9350RWPF90686
-

Drawbar

-
- Drawbar, Ball-type 80 mm, Category 4 - 9350RWRE283958
 - Scraper Hose Support - 9350RWBRE10164
-

Electrical

- 3-pin octagonal to 3-pin round convenience outlet (flat pins) single device adapter - 9350RWRE596959
 - 6-outlet octagonal powerstrip with pre-installed round convenience outlet (flat pins) - 9350RWRE596958
 - 9-Pin Connector for Implement Feedback - 9350RWRE67685
 - Electrical Connector Assembly, Power Inverter Kit 120VAC/60HZ 300 Watt - 9350RWBRE10452
 - Harness adapter for CB power connection - 9350RWRE597710
-

Engine

- Intelligent Power Management - 9350RWBRE10507
-

Hydraulic Selective Control Valves (SCVs)

- 3/4 In. Selective Control Valve Coupler Kit (Hi-Flow only) - 9350RWBRE10107
 - 3/4 Inch Coupler Adapter Conversion - 9350RWBRE10486
 - 5th and 6th Scraper High Flow Remote Cylinder Selective Control Valve with Breakaway Couplers - 9350RWBRE10109
 - Add 5th or 6th Remote Selective Control Valves - 9350RWBRE10168
-

Hydraulics

- Hitch Auxiliary Raise Kit DR - 9350RWBRE10203
 - Motor Case Drain Kit, DR Wheel - 9350RWBRE10113
-

- Power Beyond Coupler Kit 1/2 In. - 9350RWBRE10110
- Power Beyond Coupler Kit 3/4 In. - 9350RWBRE10111

Lighting

- LED Rear Light Kit - 9350RWBRE10446
- LED Roof Mounted Light Kit - 9350RWBRE10445

Mirrors

- External Mirrors Conversion Kit, Electrically Adjustable (Wide Angle) - 9350RWBRE10477
- Rear View Mirror (Internal) - 9350RWRE588734

Radio

- Auxiliary Camera Input Kit for Touch Screen Radio - 9350RWBRE10502
- Subwoofer and Tweeter Kit - 9350RWBRE10451
- Touchscreen Radio Relocation kit (Alternative Mount) - 9350RWBRE10364

Rear Hitch

- Category 4N/3 Quik Coupler Kit - 9350RWRE270270
- Category 5 to Category 4 Drawbar Conversion Kit - 9350RWRE278847
- Electro-Hydraulic 3 Point Hitch, DR for wheel and 4 Track Tractors - 9350RWBRE10160
- Rear Hitch Heavy Duty Greaseable Pin Kit - 9350RWBRE10332

Transmission

- Back Up Alarm Kit - 9350RWRE273380
- Mounting Kit - Dual Beam Radar Sensor, Wheels - 9350RWRE269592
- Radar with Dual Beam Sensor - NA - 9350RWRE278980

Weights

- Center Link Bracket for Monoblock - 9350RWBL15085
- Pick Up Weight 1500 kg (3307 lb) Monoblock - 9350RWBL15020
- Pick Up Weight 900 kg (1984 lb) Monoblock - 9350RWBL15083
- Weight, front suitcase 43 kg (95 lb) quantity of one - 9350RWR127764

Wheel Weights

- Starter Weight, Wheel, 72 kg (159 lb) - 9350RWR167153
- Weight, Wheel 205 kg (452 lb) - 9350RWR207782
- Weight, Wheel 625 kg (1378 lb) - 9350RWR553540
- Weight, Wheel Kit 2x205 kg (2x452 lb) - 9350RWBL15076
- Weight, Wheel Kit 2x205 kg (Weights), 2x72 kg (Adapter Weights) - 9350RWBL15071

Wheels and Hubs

- Rear Dual Hub Extension, 127 mm (5 in.) - 9350RWAR194744
- Rear Dual Hub Extension, 254 mm (10 in.) - 9350RWAR190666
- Rear Dual Hub Extension, 330 mm (13 in.) - 9350RWAR190668
- Rear Dual Hub Extension, 381 mm (15 in.) - 9350RWAR190669

Show Less

Shop and Buy

[Build Your Own](#)

[Buy Online](#)

[Buy Parts](#)

[Find a Dealer](#)

[John Deere Financial](#)

Maintenance and Support

[Service Info](#)

[Product Safety](#)

You May Also Be Interested In

[John Deere Rewards](#)

[Used Equipment](#)

[View California Products](#)

Product features are based on published information at the time of publication. Product features are subject to change without notice. Contact your local John Deere dealer for more information.>