

# 9 SERIES TRACTORS

390-640 Engine Horsepower



JOHN DEERE





# WELCOME TO THE

# BIG TIME

*The 9R/9RT/9RX Tractors*



The 9 Series Tractor's precision ag offerings take a leap forward. There's the G5<sup>Plus</sup> display, which has 35% more screen space and 3x faster processing for quicker boot times.<sup>1</sup> And the StarFire™ 7500 integrated receiver, which guides you and improves efficiencies. The AutoTrac™ Turn Automation helps you execute end rows easily. And AutoPath™ puts your secondary pass guidance lines exactly where you want them. Also, be prepared to enable high-speed data flow between the tractor and implement.

These technologies help pave the way for autonomy. The Autonomy Prep option on the 9RT equips your tractor with hardware components needed to operate autonomously in the future.<sup>2</sup> And the Autonomy Ready 9R and the 9RX ensure tractors are equipped with what we know today will be required for autonomy.

All 9 Series Tractors see Selective Control Valve (SCV) improvements and continue to feature our best in cab comfort.





Ranging from 390 to 640 horsepower, the 9 Series is reliable, hardworking, and suited to serve your needs.

Contact your dealer and experience the 9 Series Tractors today.

<sup>1</sup> Compared to previous models.

<sup>2</sup> Additional hardware will be needed in the future to be fully autonomous.



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Browse key features of the 9 Series.

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# THE BIGGEST OF OUR BIG WHEELS

With work windows shrinking every year, you need a tractor that can reliably and efficiently pull wide implements. Our lineup of 9R Tractors offers a range of horsepower to get you through planting, seeding, tillage and harvest applications.

There's a variety of tire options, and the industry-exclusive HydraCushion™ front-axle suspension helps mitigate the hop and road lope that can occur on loose soil and roadways.

The cab is our most comfortable yet, but don't let that distract you from the JD14 engine standard on all models. And available precision ag offerings can make your life easier and more automated than ever. Several options include the integrated StarFire™ 7500 receiver, G5<sup>Plus</sup> display, and improved cornerpost display.

Six models from 390 to 640 engine horsepower.

Find out more at [JohnDeere.com](http://JohnDeere.com) or [JohnDeere.ca](http://JohnDeere.ca)







*The **9R 640** is capable to handle your most demanding tillage tools with ease. With TruSet™ on your tillage tool, you have the perfect combination of brains and brawn.*



# GET STRAIGHT

When you need speed, power, and accuracy to navigate the toughest spot in your field, turn to the 9RT Tractor.

Each 9RT in the lineup features a JD14 engine, which provides excellent fluid efficiency. With two tracks, you'll get 52% more ground contact than with wheels, along with improved straight-line pulling.

The 9RTs feature premium precision ag offerings like the integrated StarFire 7500 receiver, G5<sup>Plus</sup> display, improved cornerpost display, and more. The cab is incredibly comfortable. The AirCushion™ suspension helps you enjoy a smooth ride both in the field and on the road.

Three models from 490 to 590 engine horsepower. Find out more at [JohnDeere.com](http://JohnDeere.com) or [JohnDeere.ca](http://JohnDeere.ca)



106" tread spacing (269.2 cm) on 30" and 36" (76.2 and 91.4 cm) track widths to fit your job.



# TO THE POINT





# 4

# TRACKS

## FOR YOUR LARGEST JOBS



*Tread spacing from 80"-120" (203.2 - 304.8 cm)  
on 18", 24", 30", and 36" (45.7, 61.0, 76.2 and 91.4 cm)  
track widths to fit your job.*



Our 9RX Tractors are ideal when you need a powerful, high-flotation, four-track tractor that can handle higher speed, wider-working implements like air seeding equipment and tillage tools.

Multiple track widths and tread spacings allow the 9RX to perform both row-crop and broad-acre applications with better grip in tough soil conditions.

The impressive strength, greater hydraulic capacity, 4-post cab suspension and latest engine advancements in the 9RX make large jobs manageable and long days fly by.

The 9RX Tractors abound with precision ag offerings. The integrated StarFire 7500 receiver, improved cornerpost display, and G5<sup>Plus</sup> display give you better visibility and more processing power so you can do more with AutoTrac™ Turn Automation, AutoPath™, AutoTrac Implement Guidance, Machine Sync, and in-field data sharing.

Models from 490 to 640 engine horsepower.

Find out more at [JohnDeere.com](http://JohnDeere.com) or [JohnDeere.ca](http://JohnDeere.ca)



## Now With Higher Horsepower Meet the 9RX 710, 770, and 830 RX Models



With just the right balance of power, weight, and traction, you can do more in less time with the new high-horsepower 9RX Tractors. Seed with twice the cart load in the hills and go one mile per hour faster while doing it.\* Plus pull wider implements. Don't choose between job completion and job quality. Do both.

Ask your John Deere Dealer for the brochure exclusive to these brand-new models for more information.

\*Compared to previous models.



# SETTLE IN AND ENJOY THE RIDE

If you're in need of a big-time tractor, there's a good chance you'll be spending big-time hours in the cab. That's why we've pumped up the comfort and convenience.

You may feel like you're in a luxury car, but the results in the field will confirm you're working hard. It's even quiet, thanks to the laminated glass and front console barrier. Enjoy a cooler cab and better visibility on your operator screens due to the rear window tint of the CommandView™ 4 cab glass.<sup>1</sup> And don't forget to stretch those legs. There's room!

Amenities are abundant; they vary by package.

## Select

- Cloth seat with mechanical controls and mechanical lumbar 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
- Foot rests

## Premium

- Cloth seat with electronic controls and pneumatic lumbar support; 25° left-hand and 40° right-hand swivel
- 6.5-inch (16.5 cm) touchscreen radio, SiriusXM satellite and smartphone ready; 6 speakers with subwoofer
- Business-band ready
- 4 USB ports, 12V outlet
- Dual-tilt steering column
- Foot rests
- Refrigerator
- Right-hand accessory rail
- 110/220V outlet

## Ultimate

- Leather seat with electronic controls, massage and pneumatic lumbar support; 25° left-hand and 40° right-hand swivel; heated and ventilated; adjustable bolsters
- 6.5-inch (16.5 cm) touchscreen radio, SiriusXM satellite and smartphone 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
- 110/220V outlet

<sup>1</sup>Compared to previous models.





Ultimate Comfort and Convenience package shown.









# RETREAT TO YOUR SEAT

You're going to put in some long days. But in a seat this comfortable, it won't feel like it!

Find your perfect sitting position with adjustable side bolsters and a higher backrest than in previous 9 Series models. The seat is heated and ventilated, so you'll feel great all year round. And when the hours pile on—or even just for fun—the massaging feature will keep you loose.

(Available in Ultimate Comfort and Convenience Package)









# **TAKE IT ALL IN**

Easily swivel to check on implements behind you or simply admire every angle of your good work. Pneumatic lumbar support and electronic controls let you make adjustments with ease.

(Pneumatic lumbar support available in Ultimate and Premium Comfort and Convenience Packages)



# No DAYLIGHT No PROBLEM



Select	Premium	Ultimate
<ul style="list-style-type: none"><li>● 20 Halogen work lights</li><li>● Mechanical exterior mirrors</li><li>● Front window sunshade</li><li>● Front and rear window wipers</li><li>● Camera ready</li></ul>	<ul style="list-style-type: none"><li>● 20 LED work lights</li><li>● Electronic, heated exterior mirrors</li><li>● Front, right-hand, and rear window sunshades</li><li>● Front, right-hand, and rear window wipers</li><li>● Camera ready</li></ul>	<ul style="list-style-type: none"><li>● 20 LED work lights, 8 LED convenience lights</li><li>● Electric, heated, power telescoping exterior mirrors</li><li>● Front, right-hand, and rear window sunshades</li><li>● Front, right-hand, and rear window wipers</li><li>● Integrated cameras</li></ul>

Ultimate visibility package shown.



Some jobs just take longer than a day. Now you can power into the night with no worries.

Our visibility packages shed light on nighttime productivity. With twice as much LED lighting as in previous models, you can look forward to a bright, 360° illumination of the field around you. (Available in the Ultimate Visibility Package)

Choose the visibility package that will help you get the most out of your field time. Amenities vary by package.






9R/9RT/9RX 390-640 Tractor Power and Efficiency

**FEEL** THE **POWER**

**DIG** THE **CONTROL**







More horsepower.\* Improved shifting control.\* These latest upgrades give you extra pulling power and the ability to reach and maintain higher speeds in rougher field conditions—while maintaining accuracy and fuel economy.

Designed for performance, reliability, and serviceability, 9 Series models feature a JD14 engine.

The e18™ transmission options deliver smooth shifting and intuitive controls. With redesigned gears, increased cooling capacity for clutch discs and more clutch discs in range clutches, they are built to handle sudden, high-torque power loads while maintaining responsive, quick, and smooth shifts.\*

\*Compared to previous models.



# SEE MORE. KNOW MORE. DO MORE.

## G5<sup>Plus</sup> CommandCenter™ Display

Bigger. Faster. Clearer.

Ready to see more? Know more? DO more? The G5<sup>Plus</sup> CommandCenter™ Display gives you a bigger picture of your 9 Series Tractor's performance and work in the field.

- 12.8-inch touchscreen – 35% larger to make on-the-go in-field adjustments easier<sup>1</sup>
- 3x faster processor ... for quicker boot times<sup>1</sup>
- High resolution 1080p screen for brighter, clearer views
- 2 digital and 4 analog video camera inputs
- Essential to be ready for future autonomous and sense-and-act technology

The G5<sup>Plus</sup> CommandCenter comes with a permanent AutoTrac™ and Section Control license. And a permanent AutoTrac™ RowSense™ license is also available. And for even more automation productivity there's also an optional G5 Advanced Package that bundles our most popular precision tools. More than a display, this is your path to the future of precision ag.

## John Deere Operations Center™

Unlock the full power of your farm data.<sup>2</sup>

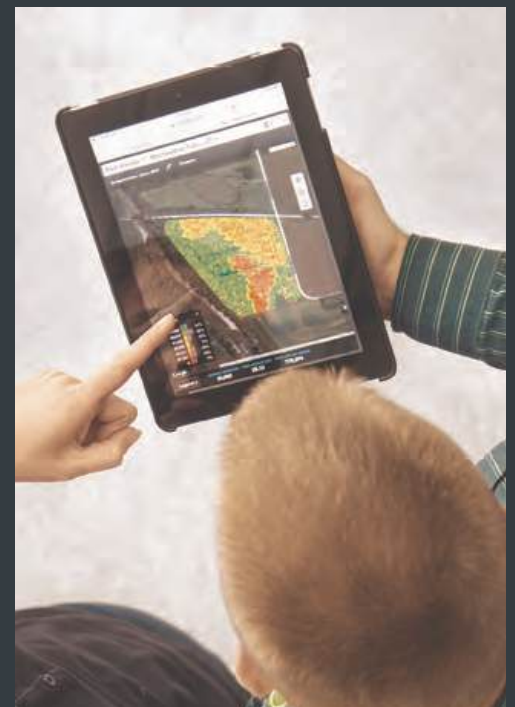
Imagine, managing your farm operations anytime, anywhere. You can with John Deere Operations Center™. It's a free<sup>2</sup>, online farm management system that enables 24/7 access to farm information through web, tablet, or mobile phone. Operations Center empowers you to manage your operation more efficiently, do a better job on every pass, reduce costs, and improve profitability.

With Operations Center, you can seamlessly connect data from your fields, your machines, and your operators and advisors. It puts at your fingertips all the information you need to maximize critical farm operations, from tillage, planting and seeding to applying and harvesting.

- Setup and manage your critical farm operations
- Plan work to reduce errors and gain efficiencies
- Monitor job quality and productivity in near real time
- Analyze this season's results to improve next season's crops

<sup>1</sup> Compared with previous Generation 4 displays

<sup>2</sup> Activation required. JDLink hardware comes standard with the machine. The customer can turn on the JDLink service in their Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to JDLink website. Consult your John Deere Dealer for coverage availability.







## G5 Advanced Package

More precision. More automation. More productivity.

Take your in-field productivity and performance to the next level with our optional G5 Advanced Package. It bundles some of Deere's most advanced precision ag tools into one easily renewable 1-year license.<sup>1</sup> Tailored to your machines, G5 Advanced Package offers lower up-front cost, gets better over time, and you only pay for what your farm needs. Designed to make you more productive, more precise, and less stressed, the G5 Advanced Package includes:

**AutoPath™** – Forget guessing which guidance line to use, even in complex fields. No more counting rows in the field.

**AutoTrac™ Turn Automation** – Gives you hands-off and stress-free confidence from one pass to the next. Consistently enter each pass square to reduce gaps and rework.

**AutoTrac™ Implement Guidance** – Precise implement placement keeps spacing accurate, even on side hills or around curves.

**In-Field Data Sharing** – Day or night, between multiple machines and fields, you can share guidance lines, coverage maps, as-applied pass-to-pass data and field totals ... without wasting time on radio chatter.

**Machine Sync** – On-the-go, stress-free unloading in every condition. Work faster, even with inexperienced grain cart operators.

<sup>1</sup> License fees apply



# PROTECT YOUR EQUIPMENT

We know peace of mind is important to you. That's why we provide comprehensive protection and warranty packages – along with superior customer support – to keep your new 9 Series tractor operating at its best. From PowerGard™ and John Deere Protect™ to John Deere Connected Support, we have just what you need to keep running all year long.

## POWERGARD

The PowerGard Protection Plan<sup>1</sup> offers valuable extended warranty coverage to protect your new 9 Series tractor from the unexpected and to ensure it's ready when you need it. PowerGard is available when purchased during the initial 12-month basic warranty<sup>2</sup> and provides two options:

- **Comprehensive** (for main components of the full machine)
- **Limited** (for main components of the engine and powertrain)

### Other benefits of a PowerGard Protection Plan include:

- Select from a variety of flexible term lengths, in total months and total hours.
- No pre-approval of claims necessary. Call or visit any authorized John Deere dealership for service.
- Expert dealer technicians will fix it right, with exactly the right John Deere parts to fit your machine.
- Any remaining PowerGard coverage is fully transferable to a new owner, with no transfer fee.

Learn more at [JohnDeere.com/PowerGard](http://JohnDeere.com/PowerGard) or [JohnDeere.ca/PowerGard](http://JohnDeere.ca/PowerGard).

## JOHN DEERE PROTECT

The John Deere Protect Maintenance Plus Plan is designed to help you maintain original performance and uptime of your new John Deere 9 Series tractor, with two coverage options to choose from:

- For the first 36 months/1,500 or 3,000 engine hours (with no deductible<sup>3</sup> and no additional charges).
- For the first 60 months/3,000 or 5,000 engine hours (with no deductible<sup>3</sup> and no additional charges).

### The John Deere Protect Maintenance Plus Plan<sup>4</sup> includes:

- Annual Expert Inspections
- Scheduled Maintenance Events
- You can buy the plan when purchased in conjunction with a PowerGard Comprehensive Protection Plan<sup>5</sup>.

Learn more at [JohnDeere.com](http://JohnDeere.com) or [JohnDeere.ca](http://JohnDeere.ca).





# HERE FOR YOU HERE FOR YOUR MACHINE

## JOHN DEERE CONNECTED SUPPORT

Your 9R Series tractor comes with a JDLink™<sup>6</sup> connection and, once activated, your John Deere dealer can offer Connected Support services. With your permission, your dealer can “dial in” to your tractor’s diagnostic data and assess trouble codes to help you avoid downtime.

### Service Advisor™ Remote

Allows your dealer to remotely analyze Diagnostic Trouble Codes in near real time so technicians arrive on-site with the right parts and the right tools to quickly repair your tractor.

### Expert Alerts

An industry exclusive, Expert Alerts is a proactive monitoring system that notifies dealers of potential tractor issues. This allows technicians to remotely diagnose issues and fix them before they become a problem.

### Remote Display Access

Lets your dealer remotely and quickly assist you with in-cab display setup and adjustments for optimal tractor performance.

**Learn more at [JohnDeere.com/ConnectedSupport](http://JohnDeere.com/ConnectedSupport) or [JohnDeere.ca/ConnectedSupport](http://JohnDeere.ca/ConnectedSupport).**

<sup>1</sup> The PowerGard Protection Plan does not cover attachments, maintenance or wear parts, nor other non-covered components specifically mentioned in the contract terms. Other terms, conditions, exclusions and warranty limitations apply.

<sup>2</sup> All new John Deere 9R Series tractors come with a standard basic warranty of 12 months. Terms, conditions, exclusions and warranty limitations apply. See your John Deere Dealer for details.

<sup>3</sup> PowerGard deductible applies to any failures under PowerGard coverage.

<sup>4</sup> For complete plan details, contact a participating dealer near you.

<sup>5</sup> PowerGard Comprehensive Protection Plan with a minimum term of 36 months/1,500 or 3,000 engine hours and 60 months/3000 or 5,000 hours must be purchased separately to be eligible for John Deere Protect extended service plans. Additional details are included in the selling descriptions of each included plan. Other terms, conditions, exclusions and warranty limitations apply.

<sup>6</sup> Activation required. JDLink hardware comes standard with the machine. You can turn on JDLink connected service in your Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to a JDLink website. Consult your John Deere Dealer for coverage availability.



## EXPERIENCE THE JOHN DEERE DIFFERENCE

From the person at the parts counter to the technician inspecting your machine, your John Deere dealer team is trained to know the ins and outs of your new 9 Series Tractor. It's an important piece of the John Deere Difference, but not the only one.

You'll notice others whenever you connect with your dealer. Like when you walk out the door with the right part, attachment or aftermarket upgrade that meets both your expectations and your budget. Or when you get questions answered remotely while you keep working in the field.

But the John Deere Difference goes even further by offering:

- Genuine John Deere Parts, Reman and A&I Products
- 12-months limited parts and labor warranty<sup>1</sup>
- Multiple financing options<sup>2</sup>

With all that, you can be confident that your local John Deere dealer has you covered season after season.



<sup>1</sup>12 month/unlimited hour warranty on most new John Deere agricultural parts when installed by an authorized John Deere Dealer. 6 month/unlimited hour warranty for most new John Deere agricultural and turf equipment parts. See John Deere Service Parts Warranty US & Canada and participating dealers for more details. Most A&I /Sunbelt parts carry a 1-year warranty. Some exclusions apply. See your participating A&I reseller or John Deere Dealer for more details.

<sup>2</sup>Financing an approved John Deere Financial credit only. Contact your Multi-Use Account merchant or dealer for complete details.





### MOUNTING POWER STRIP

Install a convenient power source to the interior of your tractor cab. Lets you plug in displays, monitors and other electronic devices.

**RE596958:** Mounting Power Strip (6 outlets)

**BRE10575:** Short Vertical Mounting Rail



### REAR HITCH HEAVY-DUTY GREASEABLE PIN KIT

Provides a grease zerk fitting on each upper pin so you can lubricate weekly for greater durability.

**BRE10331:** Rear hitch heavy-duty greaseable pin kit (9360R, 9410R, 9460R, 9510R, 9560R, 9460RT, 9510RT, 9560RT, 9370R, 9420R, 9470R, 9470RT, 9520RT, and 9570RT)

**BRE10332:** Rear hitch heavy-duty greaseable pin kit (9520R, 9570R, 9620R, 9470RX, 9520RX, 9570RX, and 9620RX)



### SCV COUPLER KITS

Modify or upgrade your SCVs with the parts below.

**BXX10947:** MY249RT - 8 SCV kit (4+4) (3-180Lpm slices with 3/4")

**BXX10946:** 9R/9RX - 8 SCV Kit (4+4) (3-180Lpm slices with 3/4")

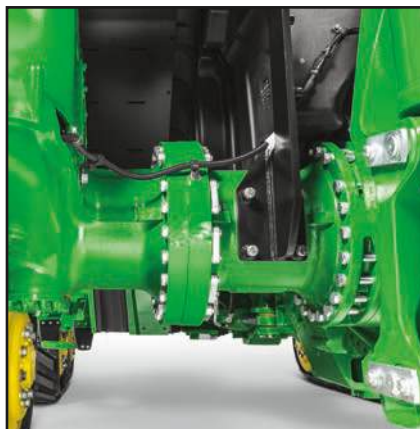


### FRONT & REAR VIDEO CAMERAS

Get a better picture of what's ahead or what's behind with front and rear video cameras. Both are easy to install on your new tractor.

**BXX11361:** 9R Front digital camera

**BXX11360:** 9R Rear digital camera (implement bracket)



### TRACK SPACING KITS

Stand ready to adjust your 9RX Tractor for various crop types with track spacing kits. Offered in multiple widths to suit your operation.

**BXX10154:** 80-in. Kit (Narrow track)

**BXX10155:** 88-in. Kit (Narrow track)

**BXX10156:** 120-in. Kit (Narrow track)

**BXX10157:** 88-in. Kit\* (Wide track)

**BXX10158:** 120-in. Kit\* (Wide track)

*\*MY22 9RX wide track only*



### MUD SCRAPER & DEBRIS SHIELD KITS

Add mileage to your 9RX track belts with mud scraper and debris shield kits\*. Both help belts last a lot longer by mitigating harmful debris buildup.

**BRE10295:** Inner Drive Sprocket Mud Scraper Kit (30-in. & 36-in.)

**BRE10348:** Inner Drive Sprocket Mud Scraper Kit (18-in. & 24-in.)

**BRE10249:** Inner Debris Shield Kit (30-in. & 36-in.)

**BRE10307:** Inner Debris Shield Kit (18-in. & 24-in.)

**BXX10720:** Mud Scraper Kit

*\*Kits include a quantity of 4*



## Specifications 9R 390-640 Tractors

POWER	9R 390	9R 440	9R 490	9R 540	9R 590	9R 640
Rated PTO power (hp SAE) at rated PTO speed (1895 erpm)**	335 hp (249 kW)	335 hp (249 kW)	335 hp (249 kW)	335 hp (249 kW)	335 hp (249 kW)	335 hp (249 kW)
Rated Engine power PS (hp ISO) at rated engine speed (EU 2016/1628)*	390 hp (287 kW)	440 hp (324 kW)	490 hp (360 kW)	540 hp (397 kW)	590 hp (434 kW)	640 hp (471 kW)
Max Engine power PS (hp ISO) at max engine power speed (EU 2016/1628)*	429 hp (316 kW)	484 hp (356 kW)	539 hp (396 kW)	594 hp (437 kW)	649 hp (477 kW)	691 hp (508 kW)
Seeding Hydraulic Intelligent Power Management (Option), Additional Engine Horsepower PS (hp ISO) at 2,100 RPM (rated speed)	NA				25	
Torque Rise (Nominal Engine) at 1600 rpm	38%					
Power Bulge (Nominal Engine) at 1900 rpm	10%					8%
ENGINE	Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head					
Manufacturer	JD14 (13.6L-827 cu.in)					
Rated speed	2,100 rpm					
Aspiration	Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR)				Dual series turbocharger with fixed geometry first stage and wastegated second stage; air-to-air aftercooling and cooled exhaust gas recirculation (EGR)	
Filter, engine air	Dual stage with exhaust aspiration					
Displacement	827 cu in. (13.55L)					
Bore and stroke	5.2 in. (132 mm) x 6.5 in. (165 mm)					
Compression ratio	15.9:1					
Lubrication	Full-pressure, full-flow filtration with bypass					
Filter, oil	Replaceable spin-on style oil filter					
FUEL SYSTEM (type)	Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming)					
Filter system	Two Stage with water separator and service indicator light					
Filter, primary	10 micron replaceable cartridge w/water indication sensor and drain					
Filter, secondary	2 micron spin-on element					
TRANSMISSION						
e18™ 18-speed PowerShift 40 kph (25 mph); 18F, 6R with Efficiency Manager™	Standard					
ELECTRICAL SYSTEM (Three or four batteries in parallel)						
Alternator/Battery	250 amps / 12 Volt – 330 amps / 12 Volt Available					
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)					
Batteries	3					
AXLE FINAL DRIVES						
Inboard planetary with double-reduction axle	Standard					
AXLES						
120 x 3048 mm diameter (4.72 x 120 in.) long, HydraCushion front axle suspension	Available				Standard	
WHEEL EQUIPMENT	Group 47/48 tires available as Single/Duals/Triples -See dealer for tire size selection and limitations					
STEERING						
Hydraulic power-steering	Standard					
Active Command Steering (ACS)	Available					
DIFFERENTIAL LOCK						
Full-Locking electrohydraulic, front and rear axle, with AutoMode	Standard					
HYDRAULIC SYSTEM (type)	Closed-center, pressure/flow compensated					
Selective control valves	4 - 8 factory or field installed					
Maximum pressure	2,900 psi (20,000 kPa )					
Maximum pump flow with Base Hydraulics	Standard: 208 L/min 55 gpm					
Maximum pump flow: high-flow	Available: 416 L/min 110 gpm					
Available flow at a single SCV - 1½ in. coupler	35 U.S. gpm/132 lpm					
Available flow at a single SCV with high-flow - 1½ in. coupler	Field Installed Option - 46 U.S. gpm/170 lpm					
3-POINT HITCH	Electric-Hydraulic 3-Point Hitch with Draft Sensing					
Category 4N with Quik-Coupler- All Axle Diameters Allowed	Available: 6804 kg (15000 lb)			NA		
Category 4N with Quik-Coupler- 120mm Axle Required	Available: 9072 kg (20000 lb)			NA		
Category 4N/4 with Quik-Coupler- All Axle Diameters Allowed				Available: 6804 kg (15000 lb)		
Category 4N/4 with Quik-Coupler- 120mm Axle Required				Available: 9072 kg (20000 lb)		
DRAWBAR***						
Cat 4 w/ Std Drawbar Support, 2470 kg (5450 lb) Maximum Vertical Load	Standard		NA			
Cat 4 w/ HD Drawbar Support, 2470 kg (5450 lb) Maximum Vertical Load	Available		NA			
Cat 4 w/ HD Drawbar Support and reinforcement kit, 4900 kg (11000 lb) Maximum Vertical Load	Field Installed Only		NA			
Cat 4 HD Drawbar, 4900kg (11000 lb) Maximum Vertical Load	Available		NA			
Cat 5 w/ HD Drawbar Support 5440 kg (12000 lb) Maximum Vertical Load	Available		Standard			
Drawbar Support for Long Scraper Drawbars	NA					
Drawbar Support for Short Scraper Drawbars	NA					
PTO (Power Take Off), Rear, Independent						
1-¾ in., 20-spline, 1,000-rpm	Available					
AutoTrac™ READY	Standard					
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)					
ServiceADVISOR™ REMOTE	Capable with JDLink™ hardware and activations					
ISOBUS Implement Connection	Standard (ISO 11783)					
BRAKES	Hydraulic power, wet-disk, self adjusting					
Hydraulic power, wet disk, self adjusting on front and rear axle	Standard					
Hydraulic trailer brakes	Available					
CAPACITIES						
Fuel Tank	1514 L (400 gal)					
DEF Tank	120 L (31.7 gal)					
Cooling system	56.5 L (14.9 gal)					
Crankcase with filter	64 L (16.9 gal)					
Hydraulic/transmission/axle oil without 3-point rear hitch and without PTO	234.7 L (62 U.S. gal)					
Hydraulic/transmission/axle oil with 3-point rear hitch and PTO	242.3 L (64 U.S. gal)					
SHIPPING WEIGHT						
Estimated shipping weight	20856 kg (45980 lb)					
WHEELBASE LENGTH	154 in. (3912 mm)					

Specifications and design subject to change without notice. Pre-production models shown. \*Power callout refers to average (50% MOE) net brake power measured and corrected for ambient conditions according to the EC emissions directive. Equivalents: EU 2016/1628, Stage V; 97/68/EC for non-Stage V and SAE Standards J1995. \*\*9R 440 - 9R 640 rated values are stated when tractor is stationary. \*\*\*Maximum vertical load when drawbar is in short position. Values are based on factory observed data.



## Specifications 9R 490-640 Scraper Special Tractors

POWER	9R 490 Scraper Special	9R 540 Scraper Special	9R 590 Scraper Special	9R 640 Scraper Special
Rated PTO power (hp SAE) at rated PTO speed (1895 erpm)**	NA	NA	NA	NA
Rated Engine power PS (hp ISO) at rated engine speed (EU 2016/1628)*	490 hp (360 kW)	540 hp (397 kW)	590 hp (434 kW)	640 hp (471 kW)
Max Engine power PS (hp ISO) at max engine power speed (EU 2016/1628)*	539 hp (396 kW)	594 hp (437 kW)	649 hp (477 kW)	691 hp (508 kW)
Seeding Hydraulic Intelligent Power Management (Option)	NA			
Torque Rise (Nominal Engine) at 1600 rpm	38%			
Power Bulge (Nominal Engine) at 1900 rpm	10%			8%
ENGINE	Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head			
Manufacturer	JD14 (13.6L-827 cu.in)			
Rated speed	2,100 rpm			
Aspiration	Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR)		Dual series turbocharger with fixed geometry first stage and wastegated second stage; air-to-air aftercooling and cooled exhaust gas recirculation (EGR)	
Filter, engine air	Dual stage with exhaust aspiration			
Displacement	827 cu in. (13.55L)			
Bore and stroke	5.2 in. (132 mm) x 6.5 in. (165 mm)			
Compression ratio	15.9:1			
Lubrication	Full-pressure, full-flow filtration with bypass			
Filter, oil	Replaceable spin-on style oil filter			
FUEL SYSTEM	Two Stage Filter with water separator and service indicator light			
Type	Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming)			
Filter, primary	10 micron replaceable cartridge w/water indication sensor and drain			
Filter, secondary	2 micron spin-on element			
TRANSMISSION				
e18™ 18-speed PowerShift 40 kph (25 mph); 18F, 6R with Efficiency Manager™	Standard			
ELECTRICAL SYSTEM (Three or four batteries in parallel)				
Alternator/Battery	250 amps / 12 Volt – 330 amps / 12 Volt Available			
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)			
Batteries	3			
AXLE FINAL DRIVES				
Inboard planetary with double-reduction axle	Standard			
AXLES				
120 x 3048 mm diameter (4.72 x 120 in.) long, HydraCushion front axle suspension	Available		Standard	Standard
WHEEL EQUIPMENT	Group 47/48 tires available as Single/Duals-See dealer for tire size selection and limitations			
STEERING				
Hydraulic power-steering	Standard			
Active Command Steering (ACS)	Available			
DIFFERENTIAL LOCK				
Full-Locking electrohydraulic, front and rear axle, with AutoMode	Standard			
HYDRAULIC SYSTEM (type)	Closed-center, pressure/flow compensated			
Selective control valves	4 Standard, 6 Available			
Maximum pressure	2,900 psi (20,000 kPa )			
Maximum pump flow with Base Hydraulics	Standard: 208 L/min 55 gpm			
Maximum pump flow: high-flow	Available: 416 L/min 110 gpm			
Available flow at a single SCV - ½ in. coupler	35 U.S. gpm/132 lpm			
Available flow at a single SCV with high-flow - ¾ in. coupler	45 U.S. gpm/170 lpm			
3-POINT HITCH	Electric-Hydraulic 3-Point Hitch with Draft Sensing			
Category 4N with Quik-Coupler- All Axle Diameters Allowed	NA			
Category 4N with Quik-Coupler- 120mm Axle Required	NA			
Category 4N/4 with Quik-Coupler- All Axle Diameters Allowed	NA			
Category 4N/4 with Quik-Coupler- 120mm Axle Required	NA			
DRAWBAR***				
Cat 4 w/ Std Drawbar Support, 2470 kg (5450 lb) Maximum Vertical Load	NA			
Cat 4 w/ HD Drawbar Support, 2470 kg (5450 lb) Maximum Vertical Load	NA			
Cat 4 w/ HD Drawbar Support and reinforcement kit, 4900 kg (11000 lb) Maximum Vertical Load	NA			
Cat 4 HD Drawbar, 4900kg (11000 lb) Maximum Vertical Load	NA			
Cat 5 w/ HD Drawbar Support 5440 kg (12000 lb) Maximum Vertical Load	NA			
Drawbar Support for Long Scraper Drawbars	Available			
Drawbar Support for Short Scraper Drawbars	Standard			
PTO (Power Take Off), Rear, Independent				
1-¾ in., 20-spline, 1,000-rpm	NA			
AutoTrac™ READY	Standard			
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)			
ServiceADVISOR™ REMOTE	Capable with JDLink™ hardware and activations			
ISOBUS Implement Connection	Standard (ISO 11783)			
BRAKES	Hydraulic power, wet-disk, self adjusting			
Hydraulic power, wet disk, self adjusting on front and rear axle	Standard			
Hydraulic trailer brakes	Available			
CAPACITIES				
Fuel Tank	1514 L (400 gal)			
DEF Tank	120 L (31.7 gal)			
Cooling system	56.5 L (14.9 gal)			
Crankcase with filter	64 L (16.9 gal)			
Hydraulic/transmission/axle oil without 3-point rear hitch and without PTO	234.7 L (62 U.S. gal)			
Hydraulic/transmission/axle oil with 3-point rear hitch and PTO	NA			
SHIPPING WEIGHT				
Estimated shipping weight	20856 kg (45980 lb)			
WHEELBASE LENGTH	154 in. (3912 mm)			

Specifications and design subject to change without notice. Pre-production models shown. \*Power callout refers to average (50% MOE) net brake power measured and corrected for ambient conditions according to the EC emissions directive. Equivalents: EU 2016/1628, Stage V; 97/68/EC for non-Stage V and SAE Standards J1995. \*\*9R 440 - 9R 640 rated values are stated when tractor is stationary. \*\*\*Maximum vertical load when drawbar is in short position. Values are based on factory observed data.



## Specifications 9RT 490-590 Tractors

POWER	9RT 490	9RT 540	9RT 590
Rated PTO power (hp SAE) at rated PTO speed (1895 erpm)**	335 hp (249 kW)	335 hp (249 kW)	335 hp (249 kW)
Rated Engine power PS (hp ISO) at rated engine speed (EU 2016/1628)*	490 hp (360 kW)	540 hp (397 kW)	590 hp (434 kW)
Max Engine power PS (hp ISO) at max engine power speed (EU 2016/1628)*	537 hp (400 kW)	595 hp (437 kW)	649 hp (477 kW)
Seeding Hydraulic Intelligent Power Management (Option), Additional Engine Horsepower PS (hp ISO) at 2,100 RPM (rated speed)	NA		25
Torque Rise (Nominal Engine) at 1600 rpm	38%		
Power/Bulge (Nominal Engine) at 1900 rpm	10%		
ENGINE	Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head		
Manufacturer	JD14 (13.6L-827 cu.in)		
Rated speed	2,100 rpm		
Aspiration	Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR)	Dual series turbocharger with fixed geometry first stage and wastegated second stage; air-to-air aftercooling and cooled exhaust gas recirculation (EGR)	
Filter, engine air	Dual stage with exhaust aspiration		
Displacement	827 cu in. (13.55L)		
Bore and stroke	5.2 in. (132 mm) x 6.5 in. (165 mm)		
Compression ratio	15.9:1		
Lubrication	Full-flow filtration with bypass		
Filter, oil	Replaceable spin-on style oil filter		
FUEL SYSTEM (type)	Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming)		
Filter system	Two Stage with water separator and service indicator light		
Filter, primary	10 micron replaceable cartridge w/water indication sensor and drain		
Filter, secondary	2 micron spin-on element		
TRANSMISSIONS			
e18™ 18-speed PowerShift 40 kph (25 mph); 18F, 6R with Efficiency Manager™	Standard		
ELECTRICAL SYSTEM (Three batteries in parallel)			
Alternator/Battery	250 amps / 12 Volt – 330 amps / 12 Volt Available		
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)		
Batteries	3		
FINAL DRIVES	Outboard planetary		
TRACK BELTS	Camso® 4500 and 6500 Series Tracks		
30-in. (762 mm) wide belt	Standard		
36-in. (914 mm) wide belt	Available		
SUSPENSION SYSTEM	AirCushion suspension system		
Suspension Travel at front idlers	13.4 in. (340 mm)		
HYDRAULIC SYSTEM (type)	Closed-center, pressure/flow compensated		
Selective control valves	4 - 6 factory, up to 8 field installed		
Maximum pressure	2,900 psi (20,000 kPa)		
Maximum pump flow with Base Hydraulics	Standard: 208 L/min 55 gpm		
Maximum pump flow: high-flow	Available: 416 L/min 110 gpm		
Available flow at a single SCV - 1/2 in. coupler	35 U.S. gpm/132 lpm		
Available flow at a single SCV with high-flow - 3/4 in. coupler	Field Installed Option - 45 U.S. gpm/170 lpm		
3-POINT HITCH	Electric-Hydraulic 3-Point Hitch with Draft Sensing		
Category 4N with Quik-Coupler	Available: 6804 kg (15000 lb)	NA	
Category 4N with Quik-Coupler	Available: 9072 kg (20000 lb)	NA	
Category 4/4N with Quik-Coupler	Available: 6804 kg (15000 lb)		
Category 4/4N with Quik-Coupler	Available: 9072 kg (20000 lb)		
DRAWBAR***			
Cat 5 w/ HD Drawbar Support, 5440 kg (12000 lb) Maximum Vertical Load	Available		
Cat 5 w/ Wide-Swing Drawbar Support, 4581 kg (10100 lb) Maximum Vertical Load	Standard		
Cat 5 w/ Wide-Swing Drawbar and High Capacity Drawbar Kit, 5440 kg (12000 lb) Maximum Vertical Load	Field Installed Only		
WHEELBASE			
Description	97.5 in (2477 mm)		
PTO (Power Take Off), Rear, Independent			
1-3/4 in., 20-spline, 1,000-rpm	Available		
AutoTrac™ READY	Standard		
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)		
ServiceADVISOR™ REMOTE	Capable with JDLink™ Select & Ultimate		
ISOBUS Implement Connection	Standard (ISO 11783)		
STEERING	Speed-sensitive, hydrostatic, differential		
Heavy Duty Steering Pump - 130cc	Standard		
BRAKES	Hydraulic power, wet-disk, self adjusting		
Hydraulic trailer brakes	Available		
CAPACITIES			
Fuel Tank	1324 L (350 gal)		
DEF Tank	93.9 L (24.8 gal)		
Cooling System	56.5 L (14.9 gal)		
Crankcase oil volume	64.0 L (16.9 gal)		
Hydraulic/transmission/axle oil without 3-point rear hitch and without PTO	330.8 L (87.4 U.S. gal)		
Hydraulic/transmission/axle oil with 3-point rear hitch and PTO	338.4 L (89.4 U.S. gal)		
MISCELLANEOUS			
Estimated shipping weight	20582 kg (45,375 lb) - Tractor equipped with standard tracks, no PTO, and no 3-point rear hitch		
Cab glass area	71.47 sq ft (6.64 sq m)		
Cab volume	115 cu ft (3.27 cu. M)		
MAX BALLAST LEVEL	54,000 lbs (24,494 kg) – See OM for specific ballast instructions		

Specifications and design subject to change without notice. Pre-production models shown. \*Power callout refers to average (50% MOE) net brake power measured and corrected for ambient conditions according to the EC emissions directive. Equivalents: EU 2016/1628, Stage V; 97/68/EC for non-Stage V and SAE Standards J1995. \*\*9RT 470 - 9RT 570 rated values are stated when tractor is stationary. \*\*\*Maximum vertical load when drawbar is in short position. Values are based on factory observed data.



## Specifications 9RT 490-540 Scraper Special Tractors

POWER	9RT 490 Scraper Special	9RT 540 Scraper Special	9RT 590 Scraper Special
Rated PTO power (hp SAE) at rated PTO speed (1895 erpm)**	NA	NA	NA
Rated Engine power PS (hp ISO) at rated engine speed (EU 2016/1628)*	490 hp (360 kW)	540 hp (397 kW)	590 hp (434 kW)
Max Engine power PS (hp ISO) at max engine power speed (EU 2016/1628)*	537 hp (400 kW)	595 hp (437 kW)	649 hp (477 kW)
Seeding Hydraulic Intelligent Power Management (Option), Additional Engine Horsepower PS (hp ISO) at 2,100 RPM (rated speed)	NA		
Torque Rise (Nominal Engine) at 1600 rpm	38%		
Power Bulge (Nominal Engine) at 1900 rpm	10%		
ENGINE			
Manufacturer	JD14 (13.6L-827 cu.in)		Dual series turbocharger with fixed geometry first stage and wastegated second stage; air-to-air aftercooling and cooled exhaust gas recirculation (EGR)
Rated speed	2,100 rpm		
Aspiration	Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR)		
Filter, engine air	Dual stage with exhaust aspiration		
Displacement	827 cu in. (13.55L)		
Bore and stroke	5.2 in. (132 mm) x 6.5 in. (165 mm)		
Compression ratio	15.9:1		
Lubrication	Full-flow filtration with bypass		
Filter, oil	Replaceable spin-on style oil filter		
FUEL SYSTEM (type)			
Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming)			
Filter system	Two Stage with water separator and service indicator light		
Filter, primary	10 micron replaceable cartridge w/water indication sensor and drain		
Filter, secondary	2 micron spin-on element		
TRANSMISSIONS			
e18™ 18-speed PowerShift 40 kph (25 mph); 18F, 6R with Efficiency Manager™	Standard		
ELECTRICAL SYSTEM (Three batteries in parallel)			
Alternator/Battery	250 amps / 12 Volt – 330 amps / 12 Volt Available		
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)		
Batteries	3		
FINAL DRIVES			
Outboard planetary			
TRACK BELTS			
Camso® Scraper Series Tracks			
30-in. (762 mm) wide belt	Standard		
36-in. (914 mm) wide belt	NA		
SUSPENSION SYSTEM			
AirCushion suspension system			
Suspension Travel at front idlers	13.4 in. (340 mm)		
HYDRAULIC SYSTEM (type)			
Closed-center, pressure/flow compensated			
Selective control valves	4 Standard, 6 Optional		
Maximum pressure	2,900 psi (20,000 kPa )		
Maximum pump flow with Base Hydraulics	NA		
Maximum pump flow: high-flow	Standard: 416 L/min 110 gpm		
Available flow at a single SCV - 1/2 in. coupler	NA		
Available flow at a single SCV with high-flow - 3/4 in. coupler	Standard: 45 U.S. gpm /170 lpm		
3-POINT HITCH			
Category 4N with Quik-Coupler	NA		
Category 4N with Quik-Coupler	NA		
Category 4/4N with Quik-Coupler	NA		
Category 4/4N with Quik-Coupler	NA		
DRAWBAR***			
Drawbar Support for Short Scraper Drawbars	Standard		
WHEELBASE			
Description	97.5 in (2477 mm)		
PTO (Power Take Off), Rear, Independent			
1-3/4 in., 20-spline, 1,000-rpm	NA		
AutoTrac™ READY			
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)		
ServiceADVISOR™ REMOTE			
Capable with JDLink™ Select & Ultimate			
ISOBUS Implement Connection	Standard (ISO 11783)		
STEERING			
Speed-sensitive, hydrostatic, differential			
Heavy Duty Steering Pump - 130cc	Standard		
BRAKES			
Hydraulic trailer brakes	Optional		
CAPACITIES			
Fuel Tank	1324 L (350 gal)		
DEF Tank	93.9 L (24.8 gal)		
Cooling System	56.5 L (14.9 gal)		
Crankcase oil volume	64.0 L (16.9 gal)		
Hydraulic/transmission/axle oil without 3-point rear hitch and PTO	330.8 L (87.4 U.S. gal)		
Hydraulic/transmission/axle oil with 3-point rear hitch and PTO	NA		
MISCELLANEOUS			
Estimated shipping weight	20582 kg (45,375 lb) - Tractor equipped with standard tracks, no PTO, and no 3-point rear hitch		
Drivers Ear Noise Level per 77/311/EEC	NA		
Cab glass area	71.47 sq ft (6.64 sq m)		
Cab volume	115 cu ft (3.27 cu. M)		
MAX BALLAST LEVEL			
54,000 lbs (24,494 kg) – See OM for specific ballast instructions			

Specifications and design subject to change without notice. Pre-production models shown. \*Power callout refers to average (50% MOE) net brake power measured and corrected for ambient conditions according to the EC emissions directive. Equivalents: EU 2016/1628, Stage V; 97/68/EC for non-Stage V and SAE Standards J1995. \*\*9RT 470 - 9RT 570 rated values are stated when tractor is stationary. \*\*\*Maximum vertical load when drawbar is in short position. Values are based on factory observed data.



## Specifications 9RX 490-640 Tractors

POWER	9RX 490	9RX 540	9RX 590	9RX 640
Rated PTO power (hp SAE) at rated PTO speed (1895 erpm)**	335 hp (249 kW)	335 hp (249 kW)	335 hp (249 kW)	335 hp (249 kW)
Rated Engine power PS (hp ISO) at rated engine speed (EU 2016/1628)*	490 hp (360 kW)	540 hp (397 kW)	590 hp (434 kW)	640 hp (471 kW)
Max Engine power PS (hp ISO) at max engine power speed (EU 2016/1628)*	539 hp (396 kW)	594 hp (437 kW)	649 hp (477 kW)	691 hp (508 kW)
Seeding Hydraulic Intelligent Power Management (Option), Additional Engine Horsepower PS (hp ISO) at 2,100 RPM (rated speed)	NA		25	
Torque Rise (Nominal Engine) at 1600 rpm	38%			
Power Bulge (Nominal Engine) at 1900 rpm	10			8%
ENGINE	Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head			
Manufacturer	JD14 (13.6L-827 cu.in)			
Rated speed	2,100 rpm			
Aspiration	Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR)		Dual series turbocharger with fixed geometry first stage and wastegated second stage; air-to-air aftercooling and cooled exhaust gas recirculation (EGR)	
Filter, engine air	Dual stage with exhaust aspiration			
Displacement	827 cu in. (13.55L)			
Bore and stroke	5.2 in. (132 mm) x 6.5 in. (165 mm)			
Compression ratio	15.9:1			
Lubrication	Full-pressure, full-flow filtration with bypass			
Filter, oil	Replaceable spin-on style oil filter			
TRANSMISSIONS				
e18™ 18-speed PowerShift 40 kph (25 mph); 18F, 6R with Efficiency Manager™	Standard			
ELECTRICAL SYSTEM (Three or four batteries in parallel)				
Alternator/Battery	250 amps / 12 Volt – 330 amps / 12 Volt Available			
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)			
Batteries	3			
AXLE FINAL DRIVES				
Bull gear and double idler with floating pinion	Standard			
AXLES				
Rear axle supports	Available (With 30 or 36 inch tracks)			
Front axle supports	Available (With 30 or 36 inch tracks)			
TRACK BELTS	Camsco® 4500 and 6500 Series Tracks			
18-in. (457 mm) wide belt	Available		NA	
24-in. (609 mm) wide belt	Available		NA	
30-in. (762 mm) wide belt	Standard			
36-in. (914 mm) wide belt	Available			
TRACK SPACING				
Fixed 87 in. (2,218 mm) Spacing	Standard			
Fixed 80 in. (2,032 mm) Spacing	Available		NA	
Fixed 88 in. (2,235 mm) Spacing	Available		NA	
Fixed 120 in. (3,048 mm) Spacing	Standard			
STEERING				
Hydraulic power-steering	Standard			
Active Command Steering (ACS)	Available			
HYDRAULIC SYSTEM (type)	Closed-center, pressure/flow compensated			
Selective control valves	4 - 8 factory or field installed			
Maximum pressure	2,900 psi (20,000 kPa)			
Maximum pump flow with Base Hydraulics	Standard: 208 L/min 55 gpm			
Maximum pump flow: high-flow	Available: 416 L/min 110 gpm			
Available flow at a single SCV - 1/2 in. coupler	35 U.S. gpm/132 lpm			
Available flow at a single SCV with high-flow - 3/4 in. coupler	Field Installed Option - 45 U.S. gpm/170 lpm			
3-POINT HITCH	Electric-Hydraulic 3-Point Hitch with Draft Sensing			
Category 4N with Quik-Coupler	Available: 6804 kg (15000 lb)	NA		
Category 4N with Quik-Coupler	Available: 9072 kg (20000 lb)	NA		
Category 4/4N with Quik-Coupler			Available: 6804 kg (15000 lb)	
Category 4/4N with Quik-Coupler			Available: 9072 kg (20000 lb)	
DRAWBAR***				
Cat 5 w/ HD Drawbar Support, 5440 kg (12000 lb) Maximum Vertical Load	Standard			
Cat 5 w/ HD Drawbar Support 5440 kg (12000 lb) Maximum Vertical Load and Cat 4 Conversion kit	Available	NA		
Drawbar Support for Long Scraper Drawbars	NA			
Drawbar Support for Short Scraper Drawbars	NA			
PTO (Power Take Off), Rear, Independent				
1-3/4 in., 20-spline, 1,000-rpm	Available			
AutoTrac™ READY	Standard			
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)			
ServiceADVISOR™ REMOTE	Available with JDLink™ hardware and activations			
ISOBUS Implement Connection	Standard (ISO 11783)			
BRAKES	Hydraulic power, wet-disk, self adjusting			
Hydraulic power, wet disk, self adjusting on front and rear axle	Standard			
Hydraulic trailer brakes	Available			
CAPACITIES				
Fuel Tank	1514 L (400 gal)			
DEF Tank	120 L (31.7 gal)			
Cooling system	56.5 L (14.9 gal)			
Crankcase with filter	64 L (16.9 gal)			
Hydraulic/transmission/axle oil without 3-point rear hitch and without PTO	234.7 L (62 U.S. gal)			
Hydraulic/transmission/axle oil with 3-point rear hitch and PTO	242.3 L (64 U.S. gal)			
MISCELLANEOUS				
Estimated shipping weight for tractor equipped with standard tracks, no PTO, and no 3-point rear hitch	Narrow undercarriage: 24,639 kg (54,320lb) Wide undercarriage: 25,546 kg (56,320 lb)		25,546 kg (56,320 lb)	
Degrees of Articulation	36°			
Degrees of Oscillation	15°			
Degrees of Undercarriage Oscillation	±10°			
WHEELBASE LENGTH	163.5 in. (4154 mm)			

Specifications and design subject to change without notice. Pre-production models shown. \*Power callout refers to average [50% MOE] net brake power measured and corrected for ambient conditions according to the EC emissions directive. Equivalents: EU 2016/1628, Stage V; 97/68/EC for non-Stage V and SAE Standards J1995. \*\*9RX 490 - 9RX 640 rated values are stated when tractor is stationary. \*\*\*Maximum vertical load when drawbar is in short position. Values are based on factory observed data.



## Specifications 9RX 490-590 Scraper Special Tractors

POWER	9RX 490 Scraper Special	9RX 540 Scraper Special	9RX 590 Scraper Special
Rated PTO power (hp SAE) at rated PTO speed (1895 rpm)**	NA	NA	NA
Rated Engine power PS (hp ISO) at rated engine speed (EU 2016/1628)*	490 hp (360 kW)	540 hp (397 kW)	590 hp (434 kW)
Max Engine power PS (hp ISO) at max engine power speed (EU 2016/1628)*	539 hp (396 kW)	594 hp (437 kW)	649 hp (477 kW)
Seeding Hydraulic Intelligent Power Management (Option), Additional Engine Horsepower PS (hp ISO) at 2,100 RPM (rated speed)	NA		
Torque Rise (Nominal Engine) at 1600 rpm	38%		
Power Bulge (Nominal Engine) at 1900 rpm	10		
ENGINE	Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head		
Manufacturer	JD14 (13.6L-827 cu.in)		
Rated speed	2,100 rpm		
Aspiration	Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR)		Dual series turbocharger with fixed geometry first stage and wastegated second stage; air-to-air aftercooling and cooled exhaust gas recirculation (EGR)
Filter, engine air	Dual stage with exhaust aspiration		
Displacement	827 cu in. (13.55L)		
Bore and stroke	5.2 in. (132 mm) x 6.5 in. (165 mm)		
Compression ratio	15.9:1		
Lubrication	Full-pressure, full-flow filtration with bypass		
Filter, oil	Replaceable spin-on style oil filter		
TRANSMISSIONS			
ø18" 18-speed PowerShift 40 kph (25 mph); 18F, 6R with Efficiency Manager™	Standard		
ELECTRICAL SYSTEM (Three or four batteries in parallel)			
Alternator/Battery	250 amps / 12 Volt –330 amps / 12 Volt Available		
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)		
Batteries	3		
AXLE FINAL DRIVES			
Bull gear and double idler with floating pinion	Standard		
AXLES			
Rear axle supports	Standard		
Front axle supports	Standard		
TRACK BELTS	Camso® 6500 Scraper series tracks		
18-in. (457 mm) wide belt	NA		
24-in. (609 mm) wide belt	NA		
30-in. (762 mm) wide belt	Standard		
36-in. (914 mm) wide belt	NA		
TRACK SPACING			
Fixed 87 in. (2,218 mm) Spacing	Standard		
Fixed 80 in. (2,032 mm) Spacing	NA		
Fixed 88 in. (2,235 mm) Spacing	NA		
Fixed 120 in. (3,048 mm) Spacing	NA		
STEERING			
Hydraulic power-steering	Standard		
Active Command Steering (ACS)	Available		
HYDRAULIC SYSTEM (type)	Closed-center, pressure/flow compensated		
Selective control valves	4 Standard, 6 Available		
Maximum pressure	2,900 psi (20,000 kPa)		
Maximum pump flow with Base Hydraulics	Standard: 208 L/min 55 gpm		
Maximum pump flow: high-flow	Available: 416 L/min 110 gpm		
Available flow at a single SCV - 1/2 in. coupler	35 U.S. gpm/132 lpm		
Available flow at a single SCV with high-flow - 3/4 in. coupler	45 U.S. gpm/170 lpm		
3-POINT HITCH	Electric-Hydraulic 3-Point Hitch with Draft Sensing		
Category 4N with Quik-Coupler	NA		
Category 4N with Quik-Coupler	NA		
Category 4/4N with Quik-Coupler	NA		
Category 4/4N with Quik-Coupler	NA		
DRAWBAR***			
Cat 5 w/ HD Drawbar Support, 5440 kg (12000 lb) Maximum Vertical Load	NA		
Cat 5 w/ HD Drawbar Support 5440 kg (12000 lb) Maximum Vertical Load and Cat 4 Conversion kit	NA		
Drawbar Support for Long Scraper Drawbars	NA		
Drawbar Support for Short Scraper Drawbars	Standard		
PTO (Power Take Off), Rear, Independent			
1-1/2 in., 20-spline, 1,000-rpm	NA		
AutoTrac™ READY	Standard		
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)		
ServiceADVISOR™ REMOTE	Available with JDLink™ hardware and activations		
ISOBUS Implement Connection	Standard (ISO 11783)		
BRAKES	Hydraulic power, wet-disk, self adjusting		
Hydraulic power, wet disk, self adjusting on front and rear axle	Standard		
Hydraulic trailer brakes	Available		
CAPACITIES			
Fuel Tank	1514 L (400 gal)		
DEF Tank	120 L (31.7 gal)		
Cooling system	56.5 L (14.9 gal)		
Crankcase with filter	64 L (16.9 gal)		
Hydraulic/transmission/axle oil without 3-point rear hitch and without PTO	234.7 L (62 U.S. gal)		
Hydraulic/transmission/axle oil with 3-point rear hitch and PTO	NA		
MISCELLANEOUS			
Estimated shipping weight	25,546 kg (56,320 lb) - Tractor equipped with standard tracks, no PTO, and no 3-point rear hitch		
Degrees of Articulation	24°		
Degrees of Oscillation	15°		
Degrees of Undercarriage Oscillation	±10°		
WHEELBASE LENGTH	163.5 in. (4154 mm)		

Specifications and design subject to change without notice. Pre-production models shown. \*Power callout refers to average [50% MOE] net brake power measured and corrected for ambient conditions according to the EC emissions directive. Equivalents: EU 2016/1628, Stage V; 97/68/EC for non-Stage V and SAE Standards J1995. \*\*9RX 490 - 9RX 640 rated values are stated when tractor is stationary. \*\*\*Maximum vertical load when drawbar is in short position. Values are based on factory observed data.





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