

# 9 Series Tractors

390-640 Engine Horsepower



JOHN DEERE



9R/9RT/9RX Tractors

# WELCOME TO THE BIG TIME

## The 9R/9RT/9RX Tractors

**Now 9 Series Tractors precision ag offerings take a leap forward** with G5<sup>Plus</sup> display, StarFire™ integrated receiver, cornerpost display and more. The brighter, crisper displays and added processing power of the G5<sup>Plus</sup> make applications you already use run even better. Like AutoTrac™ Turn Automation, which lets you execute end rows easily and have a stress-free day in the cab. AutoPath™ puts your secondary pass guidance lines where you want them, so you don't have to count rows or harvest a row of shame. With the new G5<sup>Plus</sup> display, you'll get 35% more screen space to add additional maps and widgets, 3x faster processing for quicker boot times and clear 1080p HD resolution<sup>1</sup>. It's all easier with the G5<sup>Plus</sup>.

**Be prepared to enable high-speed data flow between the tractor and implement**, once implement ethernet becomes available on planters and other implements. This will allow you to see more of your implement data in better quality than before.

**New technologies** like the G5<sup>Plus</sup>, StarFire™ Receiver, implement ethernet and more help pave the path for you to adopt autonomy in the future.\*

**You'll get more power on 9RT Tractors** thanks to a 20 hp increase. All 9 Series Tractors will see SCV improvements and continue to feature the best in cab comfort.

**Ranging from 390 to 640 horsepower**, John Deere has the ideal tractor for your operation's toughest jobs. Contact your dealer and experience the 9 Series today.

\*Additional hardware will be needed in the future to be fully autonomous.  
<sup>1</sup>Compared to previous models.





## 2-9 9R/RT/RX Tractors

You aren't looking for just any tractor. You need the right tractor to tackle your biggest jobs. Browse overviews and features of the entire 9 Series lineup.

## 10-15 Cab Comfort

From seeding and tillage through harvest, it's your home away from home. So we've gone all out to bring comfort and convenience to the 9 Series cab. See what package is right for you.

## 16-17 Visibility Packages

The work doesn't go away when the sun goes down. But the visibility packages available with your 9 Series will have you seeing just fine, no matter the time.

## 18-19 Power and Efficiency

Looking for uncompromised performance? You've come to the right place. It all starts with your engine and transmission, so see what your 9 Series will be working with.

## 20-23 Technology and Support

The 9 Series Tractors are built to speed you up, not slow you down. Learn about the services available in your technology-enabled machine.

## 24-25 Parts and Attachments

Add more to your 9 Series Tractor with John Deere attachments.

## 26-31 Specifications

Each 9 Series model was designed with clear intention. Learn what our newest tractors are made of and decide which will best serve your operation.

## 32 Dealer Support

John Deere is supported by one of the most responsive dealer networks in the business. Whatever your needs, your dealer knows exactly how to keep you up and running.

9R Tractors

# THE BIGGEST OF THE BIG WHEELS

**With work windows shrinking by the year, you need a tractor that can pull wider implements faster and more precisely than ever before.** The lineup of 9R Tractors offers a wide range of horsepower to, well, power you through planting or seeding, tillage and harvest applications at a rate you've only dreamed of — until now, that is.

There's a variety of tyre options, and the industry-exclusive HydraCushion™ front-axle suspension available on 9R Tractors helps mitigate the power hop and road lobe that can occur when pulling large implements across loose soil and roadways. Get ready to work your fields without having to throttle back.

The cab is nothing short of luxurious, but don't let that distract you from the JD14 (13.6L – 827 cu. in.) engine. Precision Ag offerings take a leap forward with the integrated StarFire™ receiver, G5<sup>Plus</sup> display and improved cornerpost display as well as the latest in Precision Ag technology.

Continue reading for more details.

Six models from 390 to 640 engine horsepower.  
Find out more at [JohnDeere.com.au/9R](http://JohnDeere.com.au/9R)  
or [JohnDeere.co.nz/9R](http://JohnDeere.co.nz/9R)





*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.*

9RT Tractors

# GET STRAIGHT TO THE POINT

**When you need speed, power and accuracy to navigate the toughest of surfaces in your field, turn to the 9RT Tractors.**

Each 9RT in the lineup features a newly designed JD14 (13.6L – 827 cu.in.) engine, providing greater fluid efficiency. With two tracks you'll get 52% more ground contact than with wheels, along with the best straight-line pulling you've ever experienced. Now all 9RT models get a 20 hp bump giving you even more power to get the job done.

The 9RTs feature improved precision ag offerings like the integrated StarFire™ receiver, G5<sup>Plus</sup> display and improved cornerpost display and more. The cab is well-appointed with comfort and detail. The industry-exclusive Air Cushion™ 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.au/9R](http://JohnDeere.com.au/9R)**

**or [JohnDeere.co.nz/9R](http://JohnDeere.co.nz/9R)**



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



9RX Tractors

# FOUR TRACKS FOR YOUR LARGEST JOBS

**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 and less berming during planting applications and under heavy loads.

Their impressive strength, greater hydraulic capacity, 4-post cab suspension and latest engine advancements make large jobs manageable and long days fly by. Their cabs are unrivaled, but we'll let you read more about them in the coming pages.

The 9RX Tractors leap forward with precision ag offerings. The integrated StarFire™ receiver, G5<sup>Plus</sup> display and improved cornerpost display give you better visibility and more processing power so you can do more applications, like 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.au/9R](http://JohnDeere.com.au/9R)  
or [JohnDeere.co.nz/9R](http://JohnDeere.co.nz/9R)**

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







# 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 across the entire 9 Series lineup.

You may feel like you're cruising in a luxury car, but the results in the field will confirm you're working hard. It's also quiet, thanks to the laminated glass and front console barrier. Enjoy a cooler cab and better visibility to operator screens with rear window tint on the CommandView™ 4 cab glass. And don't forget to stretch those legs. Just because you can.

Amenities are abundant and 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
- 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
- 16.5 cm (6.5 in.) touchscreen radio, SiriusXM satellite and smartphone ready; 6 speakers with subwoofer
- 4 USB ports, 12V outlet
- Dual-tilt steering column
- Foot rests
- Refrigerator
- Right-hand accessory rail
- 120/230VAC Power 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
- 16.5 cm (6.5 in.) touchscreen radio, SiriusXM satellite and smartphone ready; 6 speakers with subwoofer
- 4 USB ports, 12V outlet
- Dual-tilt steering column
- Foot rests
- Refrigerator
- Right-hand accessory rail
- Carpeted floor mat
- Leather-wrapped steering wheel
- 120/230VAC Power Outlet

Ultimate Comfort and Convenience package shown.



9R/9RT/9RX Tractor Cab





# RETREAT TO YOUR SEAT

You're going to put in some long days, but in a seat this comfortable, it sure 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 and focused on the task at hand.

(Available in Ultimate Comfort and Convenience Package.)

9R/9RT/9RX Tractor Cab

# TAKE IT ALL IN

With three times more swivel to the right, it's never been easier 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.



# NO DAYLIGHT,



## Select

- 20 Halogen work lights
- Mechanical exterior mirrors
- Front window sunshade
- Front and rear window wipers
- Camera ready

## Premium

- 20 LED work lights
- Electronic, heated exterior mirrors
- Front, right-hand, and rear window sunshades
- Front, right-hand, and rear window wipers
- Camera ready

## Ultimate

- 24 LED work lights, 8 LED convenience lights
- Electric, heated, power telescoping exterior mirrors
- Front, right-hand, and rear window sunshades
- Front, right-hand, and rear window wipers
- Integrated cameras



# NO PROBLEM

No matter the season — even at the height of summer — some jobs just take longer than what the sun can provide. Now you can power into the night without concern.

Our visibility packages truly step up, shedding new 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 Ultimate Visibility Package).

Choose the visibility package that will help you make the most of your time, no matter the time. Amenities vary by package.



Ultimate Visibility package shown.

9R/9RT/9RX Tractor Power and Efficiency

# FEEL THE POWER, DIG THE CONTROL



We wouldn't keep mentioning that we added more horsepower if we didn't think it was important to you. But since it obviously is, it can't hurt to bring it up again. We didn't forget to improve the shifting control either. These latest upgrades give you extra pulling power and the ability to reach and maintain higher speeds in rougher field conditions — without sacrificing accuracy or fuel economy.

Designed for performance, reliability and serviceability, all 9 Series models feature a JD14 (13.6L — 827 cu.in.) engine.

The e18 transmission, which comes standard in 9 Series Tractors, delivers smooth shifting and intuitive controls. With redesigned gears, increased cooling capacity for clutch disks and more clutch disks in range clutches, the e18 is built to handle sudden, high-torque power loads while maintaining responsive, quick and smooth shifts.



# 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.

- 32.5 cm (12.8 in.) touchscreen — 35% larger to make on-the-go infield 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. Experience the benefits of the larger, faster, and clearer display no matter the job.



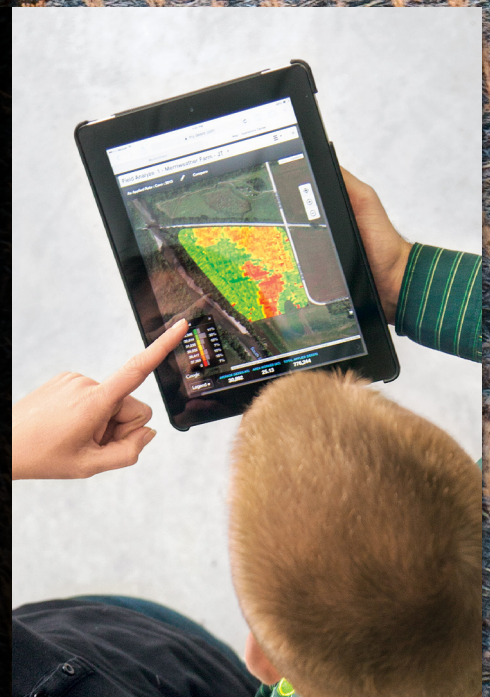
## John Deere Operations Center™

Unlock the full power of your farm data.

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 maximise 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
- Analyse 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 mobile 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- or 3-year licence. 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.

# HERE FOR YOU. HERE FOR YOUR MACHINE.

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 9R Series tractor operating at its best. From PowerGard™ 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 9R Series tractor from the unexpected and to ensure it's ready when you need it. PowerGard is available when purchased during the initial 24-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 authorised 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.au/PowerGard](http://JohnDeere.com.au/PowerGard) or [JohnDeere.co.nz/PowerGard](http://JohnDeere.co.nz/PowerGard)

## CONNECTED SUPPORT

Your 9R Series tractor comes with a JDLink™ 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 analyse 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.au/ConnectedSupport](http://JohnDeere.com.au/ConnectedSupport) or [JohnDeere.co.nz/ConnectedSupport](http://JohnDeere.co.nz/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.

<sup>2</sup> All new John Deere 9R Series tractors come with a standard basic warranty of 24 months.



## 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 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 performance 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 with the value of choice by offering Genuine John Deere, Reman and A&I Products, along with a 12-months limited parts and labour warranty<sup>1</sup> and 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 limited warranty on new Genuine John Deere, Reman and A&I agricultural parts purchased from an authorised John Deere dealer. See John Deere Limited Parts Warranty at [JohnDeere.com.au](http://JohnDeere.com.au) or [JohnDeere.co.nz](http://JohnDeere.co.nz) for 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

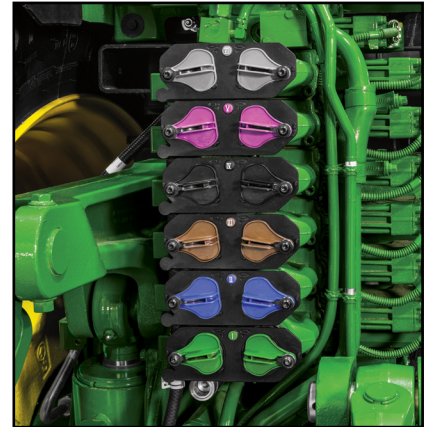


**REAR HITCH HEAVY-DUTY GREASEABLE PIN KIT**

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 KIT**

For implements that require high hydraulic flow, a single 19 mm (3/4 in.) selective control valve (SCV) coupler is available as a field-installed attachment for dual-pump, 435 L/min (115 gpm) hydraulic systems.

**BRE10107\*:** 19 mm (3/4 in.) selective control valve (SCV) coupler kit (Hi-Flow only) Compatible with 9R, 9RT, and 9RX Tractors.

*\*Requires code 3270 435 L/min (115 gpm) dual hydraulic pump*



**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.

**RE595298:** 9R Front Analog camera

**RE595299:** 9R Rear Analog camera

**PFA12898:** 9R Rear Digital Camera



**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:** 2,032 mm (80 in.) Kit (Narrow track)

**BXX10155:** 2,235 mm (88 in.) Kit (Narrow track)

**BXX10156:** 3,048 mm (120 in.) Kit (Narrow track)

**BXX10157:** 2,235 mm (88 in.) Kit\* (Wide track)

**BXX10158:** 3,048 mm (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 762 mm (30 in.) & 914 mm (36 in.)

**BRE10348:** Inner Drive Sprocket Mud Scraper Kit 457 mm (18 in.) & 609 mm (24 in.)

**BRE10249:** Inner Debris Shield Kit 762 mm (30 in.) & 914 mm (36 in.)

**BRE10307:** Inner Debris Shield Kit 457 mm (18 in.) & 609 mm (24 in.)

**BXX10720:** Mud Scraper Kit

*\*Kits include a quantity of 4*

## Specifications 9R 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%
<b>ENGINE</b>	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	Final Tier 4: Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR) Tier 3: Single variable geometry turbocharger air-to-air aftercooling and cooled exhaust gas recirculation			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					
<b>FUEL SYSTEM (type)</b>	Final Tier 4: Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming) Tier 3: High Pressure Common Rail (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					
<b>TRANSMISSION</b>						
e18™ 18-speed PowerShift 40 kph (25 mph), 18F, 6R with Efficiency Manager™	Standard					
<b>ELECTRICAL SYSTEM (Three or four batteries in parallel)</b>						
Alternator/Battery	250 amps / 12 Volt – 330 amps / 12 Volt Available					
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)					
Batteries	3					
<b>AXLE FINAL DRIVES</b>						
Inboard planetary with double-reduction axle	Standard					
<b>AXLES</b>						
120 x 3048 mm diameter (4.72 x 120 in.) long, HydraCushion front axle suspension	Available					Standard
<b>WHEEL EQUIPMENT</b>	Group 47/48 tyres available as Single/Duals/Triples -See dealer for tyre size selection and limitations					
<b>STEERING</b>						
Hydraulic power-steering	Standard					
Active Command Steering (ACS)	Available					
<b>DIFFERENTIAL LOCK</b>						
Full-Locking electrohydraulic, front and rear axle, with AutoMode	Standard					
<b>HYDRAULIC SYSTEM (type)</b>	Closed-centre, pressure/flow compensated					
Selective control valves	4 - B 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 - ½ in. coupler	35 U.S. gpm/132 lpm					
Available flow at a single SCV with high-flow - ¾ in. coupler	Field Installed Option - 46 U.S. gpm/170 lpm					
<b>3-POINT HITCH</b>	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)			NA		
Category 4N/4 with Quik-Coupler- 120mm Axle Required	Available: 9072 kg (20000 lb)			NA		
<b>DRAWBAR***</b>						
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					
<b>PTO (Power Take Off), Rear, Independent</b>						
1-¾ in., 20-spline, 1,000-rpm	Available					
<b>AutoTrac™ READY</b>	Standard					
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)					
<b>ServiceADVISOR™ REMOTE</b>	Capable with JDLink™ hardware and activations					
ISOBUS Implement Connection	Standard (ISO 11783)					
<b>BRAKES</b>	Hydraulic power, wet-disk, self-adjusting					
Hydraulic power, wet disk, self adjusting on front and rear axle	Standard					
Hydraulic trailer brakes	Available					
<b>CAPACITIES</b>						
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)					
<b>SHIPPING WEIGHT</b>						
Estimated shipping weight	20856 kg (45980 lb)					21174 kg (46680 lb)
<b>WHEELBASE LENGTH</b>	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 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%
<b>ENGINE</b>	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	Final Tier 4: Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR) Tier 3: Single Variable geometry turbocharger air-to-air aftercooling and cooled exhaust gas recirculation	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			
<b>FUEL SYSTEM</b>	Final Tier 4: Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming) Tier 3: High Pressure Common Rail (self priming)			
Type	Two Stage Filter 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			
<b>TRANSMISSION</b>	Standard			
e18™ 18-speed PowerShift 40 kph (25 mph); 18F, 6R with Efficiency Manager™	Standard			
<b>ELECTRICAL SYSTEM (Three or four batteries in parallel)</b>	Standard			
Alternator/Battery	250 amps / 12 Volt – 330 amps / 12 Volt Available			
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)			
Batteries	3			
<b>AXLE FINAL DRIVES</b>	Standard			
Inboard planetary with double-reduction axle	Standard			
<b>AXLES</b>	Standard			
120 x 3048 mm diameter (4.72 x 120 in.) long, HydraCushion front axle suspension	Available			Standard
<b>WHEEL EQUIPMENT</b>	Group 47/48 tyres available as Single/Duals/Triples -See dealer for tyre size selection and limitations			
<b>STEERING</b>	Standard			
Hydraulic power-steering	Standard			
Active Command Steering (ACS)	Available			
<b>DIFFERENTIAL LOCK</b>	Standard			
Full-Locking electrohydraulic, front and rear axle, with AutoMode	Standard			
<b>HYDRAULIC SYSTEM (type)</b>	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 - 1/4 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			
<b>3-POINT HITCH</b>	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			
<b>DRAWBAR***</b>	NA			
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			
<b>PTO (Power Take Off), Rear, Independent</b>	NA			
1-3/4 in., 20-spline, 1,000-rpm	NA			
<b>AutoTrac™ READY</b>	Standard			
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)			
<b>ServiceADVISOR™ REMOTE</b>	Capable with JDLink™ hardware and activations			
ISOBUS Implement Connection	Standard (ISO 11783)			
<b>BRAKES</b>	Hydraulic power, wet-disk, self adjusting			
Hydraulic power, wet disk, self adjusting on front and rear axle	Standard			
Hydraulic trailer brakes	Available			
<b>CAPACITIES</b>	1514 L (400 gal)			
Fuel Tank	120 L (31.7 gal)			
DEF Tank	56.5 L (14.9 gal)			
Cooling system	64 L (16.9 gal)			
Crankcase with filter	234.7 L (62 U.S. gal)			
Hydraulic/transmission/axle oil without 3-point rear hitch and without PTO	NA			
Hydraulic/transmission/axle oil with 3-point rear hitch and PTO	NA			
<b>SHIPPING WEIGHT</b>	20856 kg (45980 lb)			
Estimated shipping weight	20856 kg (45980 lb)			21174 kg (46680 lb)
<b>WHEELBASE LENGTH</b>	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 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)*	539 hp (400kW)	594 hp (442kW)	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%		
<b>ENGINE</b>	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	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		
<b>FUEL SYSTEM (type)</b>	Final Tier 4: Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming) Tier 3: High Pressure Common Rail (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		
<b>TRANSMISSIONS</b>			
e18™ 18-speed PowerShift 40 kph (25 mph); 18F, 6R with Efficiency Manager™	Standard		
<b>ELECTRICAL SYSTEM (Three batteries in parallel)</b>			
Alternator/Battery	250 amps / 12 Volt – 330 amps / 12 Volt Available		
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)		
Batteries	3		
<b>FINAL DRIVES</b>	Outboard planetary		
<b>TRACK BELTS</b>	Camsco® 4500 and 6500 Series Tracks		
30-in. (762 mm) wide belt	Standard		
36-in. (914 mm) wide belt	Available		
<b>SUSPENSION SYSTEM</b>	AirCushion suspension system		
Suspension Travel at front idlers	13.4 in. (340 mm)		
<b>HYDRAULIC SYSTEM (type)</b>	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		
<b>3-POINT HITCH</b>	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)		
<b>DRAWBAR***</b>			
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		
<b>WHEELBASE</b>			
Description	97.5 in (2477 mm)		
<b>PTO (Power Take Off), Rear, Independent</b>			
1-3/4 in., 20-spline, 1,000-rpm	Available		
<b>AutoTrac™ READY</b>	Standard		
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)		
<b>ServiceADVISOR™ REMOTE</b>	Capable with JDLink™ Select & Ultimate		
ISOBUS Implement Connection	Standard (ISO 11783)		
<b>STEERING</b>	Speed-sensitive, hydrostatic, differential		
Heavy Duty Steering Pump - 130cc	Standard		
<b>BRAKES</b>	Hydraulic power, wet-disk, self adjusting		
Hydraulic trailer brakes	Available		
<b>CAPACITIES</b>			
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)		
<b>MISCELLANEOUS</b>			
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)		
<b>MAX BALLAST LEVEL</b>	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 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)*	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			
Manufacturer	JD14 (13.6L-827 cu.in)		
Rated speed	2,100 rpm		
Aspiration	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)			
	Final Tier 4: Electronically controlled, high-pressure common rail with electric fuel transfer pump (self priming) Tier 3: High Pressure Common Rail (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			
	Camsco® 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 - 1/4 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 power, wet-disk, self adjusting		
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 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%	
<b>ENGINE</b>	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	Final Tier 4: Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR) Tier 3: Single Variable geometry turbocharger air-to-air aftercooling and cooled exhaust gas recirculation	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			
<b>TRANSMISSIONS</b>				
e18™ 18-speed PowerShift 40 kph (25 mph), 18F, 6R with Efficiency Manager™	Standard			
<b>ELECTRICAL SYSTEM (Three or four batteries in parallel)</b>				
Alternator/Battery	250 amps / 12 Volt – 330 amps / 12 Volt Available			
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)			
Batteries	3			
<b>AXLE FINAL DRIVES</b>				
Bull gear and double idler with floating pinion	Standard			
<b>AXLES</b>				
Rear axle supports	Available (With 30 or 36 inch tracks)			
Front axle supports	Available (With 30 or 36 inch tracks)			
<b>TRACK BELTS</b>	Camso® 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		
<b>TRACK SPACING</b>				
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		
<b>STEERING</b>				
Hydraulic power-steering	Standard			
Active Command Steering (ACS)	Available			
<b>HYDRAULIC SYSTEM (type)</b>	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			
<b>3-POINT HITCH</b>	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)		
<b>DRAWBAR***</b>				
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		
<b>PTO (Power Take Off), Rear, Independent</b>				
1-3/4 in., 20-spline, 1,000-rpm	Available			
<b>AutoTrac™ READY</b>	Standard			
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)			
<b>ServiceADVISOR™ REMOTE</b>	Available with JDLink™ hardware and activations			
ISOBUS Implement Connection	Standard (ISO 11783)			
<b>BRAKES</b>	Hydraulic power, wet-disk, self adjusting			
Hydraulic power, wet disk, self adjusting on front and rear axle	Standard			
Hydraulic trailer brakes	Available			
<b>CAPACITIES</b>				
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)			
<b>MISCELLANEOUS</b>				
Estimated shipping weight for tractor equipped with standard tracks, no PTO, and no 3-point rear hitch	Narrow undercarriage: 24,639 kg (54,320 lb) 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°			
<b>WHEELBASE LENGTH</b>	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 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 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)*	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	
<b>ENGINE</b>	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	Final Tier 4: Single wastegated turbocharger with air-to-air aftercooling and cooled exhaust gas recirculation (EGR) Tier 3: Single Variable geometry turbocharger air-to-air aftercooling and cooled exhaust gas recirculation	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		
<b>TRANSMISSIONS</b>			
e18™ 18-speed PowerShift 40 kph (25 mph); 18F, 6R with Efficiency Manager™	Standard		
<b>ELECTRICAL SYSTEM (Three or four batteries in parallel)</b>			
Alternator/Battery	250 amps / 12 Volt –330 amps / 12 Volt Available		
Total cold cranking amps	2775 (3-925CCA) / 3700 (4-925CCA)		
Batteries	3		
<b>AXLE FINAL DRIVES</b>			
Bull gear and double idler with floating pinion	Standard		
<b>AXLES</b>			
Rear axle supports	Standard		
Front axle supports	Standard		
<b>TRACK BELTS</b>	Camsco® 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		
<b>TRACK SPACING</b>			
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		
<b>STEERING</b>			
Hydraulic power-steering	Standard		
Active Command Steering (ACS)	Available		
<b>HYDRAULIC SYSTEM (type)</b>	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		
<b>3-POINT HITCH</b>	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		
<b>DRAWBAR***</b>			
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		
<b>PTO (Power Take Off), Rear, Independent</b>			
1-3/4 in., 20-spline, 1,000-rpm	NA		
<b>AutoTrac™ READY</b>	Standard		
Modular Telematics Gateway (MTG)	Available JDLink™ Ultimate and Ethernet Harnesses (availability dependent upon destination)		
<b>ServiceADVISOR™ REMOTE</b>	Available with JDLink™ hardware and activations		
ISOBUS Implement Connection	Standard (ISO 11783)		
<b>BRAKES</b>	Hydraulic power, wet-disk, self adjusting		
Hydraulic power, wet disk, self adjusting on front and rear axle	Standard		
Hydraulic trailer brakes	Available		
<b>CAPACITIES</b>			
Fuel Tank	1514 L (400 gall)		
DEF Tank	120 L (31.7 gall)		
Cooling system	56.5 L (14.9 gall)		
Crankcase with filter	64 L (16.9 gall)		
Hydraulic/transmission/axle oil without 3-point rear hitch and without PTO	234.7 L (62 U.S. gall)		
Hydraulic/transmission/axle oil with 3-point rear hitch and PTO	NA		
<b>MISCELLANEOUS</b>			
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°		
<b>WHEELBASE LENGTH</b>	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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