

SCRAPER SYSTEMS



JOHN DEERE

9R / 9RT TRACTORS
D-SERIES EJECTOR / CARRY-ALL SCRAPERS



FULLY INTEGRATED SYSTEMS

HAUL MORE. EARN MORE.
**MOVE MORE DIRT,
DIRT CHEAP.**





RELIABLE



PRODUCTIVE

Our fully integrated tractor-scraper systems move more dirt than self-propelled scrapers or competitive tractors and scrapers, at one-third the initial investment and half the labor. All models deliver more power to handle our larger-capacity ejector scrapers and our efficient, economical carry-all scrapers.

Save more per cubic yard

Our scraper systems will help you save up to 50 cents per cubic yard over conventional earthmoving equipment, such as self-propelled scrapers.

Consistently full loads, fewer passes

Ramp up productivity with exclusive AutoLoad™. Even inexperienced operators will deliver consistently full loads with fewer passes using automatic blade raise/lower.

More power to pull more

All of our Scraper Special tractors boast more horsepower, from 346 kW (470 hp) on our 9470R and 9470RT, and up to 456 kW (620 hp) on our new 9620R — our largest Scraper Special tractor ever. Increased power allows these tractors to pull more and larger scrapers — to move more material with faster cycle times.

Backed to the max

We've doubled our warranty on scrapers to an industry-leading 12 months. Tractors are backed by our two-year/2,000-hour warranty.

Increased payload capacity

All ejector scrapers deliver more payload capacity — up to 14-percent more on the 2412D E. And now you are no longer restricted from running our larger scrapers in a triple-pan configuration. That means you can haul up to 54.9 m³ (72 cu. yd.) per cycle with only a single operator.

Two-tire ejector scrapers

2010D E and 2412D E two-tire ejector scrapers shed mud better in soft ground conditions and provide greater stability on uneven ground. Less rolling resistance minimizes wear and fuel usage. Easier to service, too.



AUTOLOAD

LOAD LIKE A PRO FROM THE WORD "GO."

Exclusive AutoLoad automates scraper functions, making it pushbutton easy for even first-time operators to load like pros. And experienced operators will be even more consistent.



Maximum productivity, minimum fatigue

AutoLoad automatically varies blade height, automates loading operation, and keeps a consistent spreading height. Automating key functions maximizes productivity, while minimizing operator fatigue, error, and wear and tear on the tractor.

Get up to speed fast

AutoLoad delivers smooth cuts that only highly experienced operators can duplicate. No special training required, so operators become proficient quickly.

Consistently full loads

Whether it's set up to leave a desired cut profile or to load over a specified distance, you'll get reliably full loads all day long.

Set-and-forget

The operator can set-and-forget each scraper's upper and lower limits, for consistent loading and unloading, resulting in faster cycle times.

Easy, fingertip control

New Generation 4 CommandCenter™ provides simple touchscreen control of AutoLoad. On-screen help and intuitive set-up make it fingertip-easy to set cut profiles, load distances, and scraper-load sensitivity entering the cut — for optimal performance in a variety of soil conditions.



**FULL
LOADS**

+



**MAXIMUM
PRODUCTIVITY**



12%
LESS
FUEL BURNED

WHEELED SCRAPER SPECIALS

HIT THE DIRT WITH MORE HORSEPOWER.

We went all in so you can go all out in your Scraper Special tractor. All models boast more horsepower — up to 456 kW (620 hp) on our new 9620R model — our largest tractor ever. Exclusive HydraCushion™ suspension and ActiveCommand Steering™ options boost productivity with less fatigue, while a new, enhanced Efficiency Manager™ improves fuel economy by up to 12 percent.



Fully automatic transmission

New e18™ PowerShift™ transmission uses enhanced Efficiency Manager to automate shifts and throttle control, maximizing power and helping reduce fuel consumption by up to 12 percent.

Stronger front frame

The front frame is 10-percent stronger to accommodate higher horsepowers and larger loads. Cast rear structural axle assembly is 30-percent stronger, creating an exceptionally durable platform for carrying up to 54.9 m³ (72 cu. yd.) of material.

HydraCushion reduces fatigue

Exclusive HydraCushion suspension option (standard on the 9620R) virtually eliminates the road lobe experienced during transport at high speeds and the power hop common at slower speeds under draft load, boosting productivity with less fatigue.

Better line holding at high speeds

Exclusive ActiveCommand Steering option improves line holding with minimal correction, for greater control and less fatigue when traveling at high speed down long haul roads.

Auto diff-lock improves traction

Activated by a pushbutton on the CommandARM™, auto diff-lock steering angle is adjustable from two to eight deg., depending on jobsite conditions. It stays engaged until the tractor turns or reaches 22.5 kph (14 mph), and re-engages when the tractor returns to a straight line or drops below 19.3 kph (12 mph), improving traction and reducing tire wear.

Match tires to jobsite conditions

Our rubber-tire models thrive in topsoil, clay, and gumbo. With numerous tire and ballast options, you can fine-tune weight and balance to match jobsite conditions.

Smooth operator

A John Deere exclusive, the optional ActiveSeat™ isolates an operator from 90 percent of vertical seat movement, for the smoothest ride on any scraper tractor (not available on tracked tractors).



30-in.
HEAVIER-DUTY TRACKS



TRACKED SCRAPER SPECIALS

PURPOSE-BUILT FOR YOUR UNIQUE PURPOSE.

Like our rubber-tire four-wheel-drive models, Tracked Scraper Specials are purpose-built for earthmoving. All machines deliver 10 more horsepower than previous models. And they feature heavier-duty construction-grade tracks to navigate smoothly over harsh terrain and maximize productivity in sand, sandy loam, and topsoil.

Tougher tracks

Heavier-duty 762-mm (30 in.) 6500-Series rubber tracks' tough four-ply steel-core construction endures side loads and resists punctures, for long-term durability.

Scraper ready

Fixed undercarriage gauge, heavy-duty outboard planetary final drives, and a reaction arm mounted directly to the axle housing make this tractor ready for scraper duty.

Standard AirCushion™ suspension

Our AirCushion suspension system is the ultimate in tracked suspension technology — and it's standard on every 9RT-Series Tracked Tractor .

More power and traction to the ground

Oscillation at the front idler is 340 mm (13.4 in.), putting more power and traction to the ground. Helps isolate drivetrain components from shock loads, too.



POWERFUL POWERTRAIN ***LEAVES EVERYTHING ELSE IN THE DIRT.***

You get efficient, dependable, and cost-effective pulling power with our 9R/9RT Scraper Special Tractors. Their fast-responding heavy-duty hydraulic system is designed specifically for scraper operations and provides plenty of reserve capacity to operate all scraper functions, even at reduced engine speeds.

High-flow hydraulics

Optional high-flow hydraulics (standard on tracked models) with 19.1-mm (0.75 in.) couplers provide an industry-leading 435 Lpm (115-gpm) flow, for increased hydraulic response when operating multiple scrapers. With higher flow, operators will be able to run a multitude of functions on multiple units faster, reducing cycle times and increasing production.

Smooth shifting, intuitive control

Enhanced e18-speed automatic PowerShift transmission with new Efficiency Manager delivers smooth shifting and intuitive control for operators of all skill levels. Three modes of operation — full auto, custom, and manual — allow operators to match desired groundspeed to job conditions.



FT4 FINAL TIER 4
DIESEL ENGINES



**115
GPM** INDUSTRY-LEADING
HIGH-FLOW
HYDRAULICS



Fluid efficient, reliable FT4 engines

Rugged FT4/Stage IV PowerTech™ and Cummins® diesel engines meet rigid emission regulations, enabling you to work, wherever there's work — even in nonattainment areas. Our field-proven technology is simple, fluid efficient, fully integrated, and fully supported. It employs cooled exhaust gas recirculation (EGR), easy-to-maintain high-uptime exhaust filters, and selective catalytic reduction (SCR).

Efficient Vari-Cool™ system

Unique Vari-Cool system employs a large grille, multiple louvers, and variable-speed fan for generous airflow through the heavy-duty coolers. Patented fan operates at the slowest speed necessary, for maximum cooling, horsepower, and fuel efficiency.



43% LARGER
DISPLAY

HARD WORK MADE EASIER
TAKE A LOAD OFF YOUR FEET, AS YOU HAUL A LOAD.

Our spacious new CommandView™ III cab is even quieter and more comfortable. Plus it's loaded with advanced technology, such as the new Generation 4 CommandCenter touchscreen display. And CommandARM, which provides intuitive and effortless fingertip control of machine functions.



40° SEAT ROTATION TO THE RIGHT

Operate in quiet comfort

New CommandView III cab is even quieter, thanks to laminated glass and acoustical barriers in the front console that help reduce vibration. A passive noise-reduction system, double-lip door seals, insulated exhaust, and numerous other acoustical barriers also help keep things quiet.

Seat rotates for better visibility

For a nearly unobstructed view of the scraper or implement, rotate the seat 40 deg. to the right. Optional right-hand side-window wiper keeps the view clear of rain and mud.

Easy-to-use touchscreen display

Completely redesigned CommandCenter display features a faster processor, a standard high-resolution touchscreen for easy-on-the-eyes clarity, and simple-to-navigate menus for access to a wealth of vital performance information and service alerts.

Comfortable and in control

CommandView III cab boasts plenty of room for the operator, comfortable fingertip control, and numerous places to stow a cooler, cell phone, MP3 player, and other carry-ons. Opt for an in-cab refrigerator to store beverages and lunch.

Automatic sequencing reduces fatigue

Intelligent Total Equipment Control (iTEC™) decreases operator fatigue and increases productivity through automatic sequencing of tractor/scraper functions. An operator can quickly and easily program up to four learned sequences — each capable of storing up to 20 tractor functions, for effortless pushbutton multifunction control.



EJECTOR SCRAPERS **KNOW NO LIMITS.**

Our fixed-blade ejector scrapers boast up to 14-percent more capacity. Plus we've removed the restriction on running our larger scrapers in triple configurations — so you can now move up to 54.9 m³ (72 cu. yd.) of material per cycle.

Snag-free ejection

Redesigned inner wall ensures smooth, snag-free ejection for spreading controlled, consistent loads.

Low profile for better stability and visibility

Low-profile design provides a low center of gravity and good visibility to the rear scraper.

Heavy-duty disc brakes

Need more stopping power? Equip your 15.3- or 18.3-m³ (20 or 24 cu. yd.) ejector scraper with optional heavy-duty disc brakes. For shorter stops, loaded or empty.

Easy dozer push-loading

Integrated rear push block enables push-loading when a dozer is needed. Push block exactly matches the blade radius of John Deere dozers and provides ample tire clearance to accommodate "U" blades. Quick-attach rear hitch makes coupling and uncoupling a snap when conditions demand.

Stronger weight-handling capacity

On the new, higher-capacity 2412D E, lift-cylinder weight-handling capacity is 10-percent stronger to handle heavy material like wet sand and clay.

More capacity, faster cycle times

Standard super-overflow spill guard increases capacity, while reducing carryback and tire wear. New swept-back push-wall design provides a 26-percent-larger top-loading target, for faster cycle times.

Fast, reliable loading

With their wide throat opening and exclusive blade system, loading these ejector scrapers is quick and easy. Mix and match standard and long blades to fit almost any application or material condition.



26%
LARGER
TOP-LOADING
TARGET



AutoLoad

CARRY-ALL SCRAPERS

EFFICIENT, ECONOMICAL EARTHMOVING.

Carry-all scrapers are some of the best sand-loading scrapers you can run. Choose them for land leveling, terracing, digging ponds, building levees, and general site prep.

Stable, precise finish grading

Optional precision land-leveling kit stabilizes the scraper and eliminates “duck walking,” allowing precise, high-speed finish grading with a carry-all bucket. From rough cut to final grade without configuration changes.

Strong, unobtrusive cross tube

High-clearance cross tube provides blade visibility and unsurpassed strength.

Strong, durable gate cylinder

Large 152-mm (6 in.)-diameter gate cylinder provides rugged durability and plenty of material-clamping force.

More capacity, less spillover

Optional super-overflow spill guard adds more capacity and prevents spillover behind the bucket, maximizing productivity while minimizing tire wear and poor fuel efficiency.

Fast, easy connection

Push/pull breakaway couplers for 19.1-mm (0.75 in.) hoses simplify and speed connection to optional high-flow hydraulics. Rear quick-attach hitch option lets you quickly connect or disconnect tandems without tools.

Agile in tough conditions

Generous ground clearance and low ground pressure keep you moving, even in less-than-ideal conditions.

Faster, cleaner unloading

With a wide 1397-mm (55 in.) throat opening, the fast-dump bucket rotates a full 70 deg. for cleaner unloading and less material carryback.





6-in. GATE-CYLINDER
DIAMETER



70° FAST-DUMP
BUCKET ROTATION



PENNY PINCHERS

MAXIMIZE UPTIME. MINIMIZE COST.

Easy, extended service intervals

Vertical filters allow quick, no-spill changes. Service interval is 250 hours (500 hours with John Deere Plus-50™ II oil) for the engine and 1,500 hours for transmission, hydraulics, and axles.

Wide open, ground-level servicing

Hood raises up and away, providing wide-open access to radiator, charge-air, transmission, hydraulic, and A/C condenser coolers for easy clean-out. Daily servicing can be performed from ground level.

Quick, simple cutting-edge swap-out

Need to change a cutting edge? Bucket, gate, and scraper mainframe can be easily secured without tools in the raised position for servicing.

Shields and guards protect components

Rounded gate shields and swept-back super-overflow spill guard protect components from falling material to prevent debris like rocks and tree roots from accumulating.

More time between fill-ups

Larger 1514-L (400 gal.) fuel capacity (1324 L [350 gal.] on tracked models) and ample diesel exhaust fluid (DEF) tanks let you work longer between fill-ups. Wide filler neck speeds refueling.

Rugged ejector shielding

Ejector shielding has been beefed up to better protect hydraulic lines, wire harnesses, and other critical components.

Easy-to-service DPF

Ash-service intervals for the diesel particulate filter (DPF) are condition based, meaning the machine will notify the operator before service is required. Typically, ash service is not necessary until the first engine overhaul. Machine application, regular maintenance practices, and type of lubricating oil impact ash-service intervals.

Two-tire scraper options

Two-tire options track and shed material better in soft ground conditions, with less productivity-killing carryback. Provide more side-to-side stability on uneven ground, too.



Keep downtime down with
ULTIMATE UPTIME

Ultimate Uptime, featuring John Deere WorkSight, is a customizable support solution available exclusively from your Deere dealer. This flexible offering maximizes equipment availability with standard John Deere WorkSight capabilities that can help prevent future downtime and speed repairs when needed. In addition to base John Deere WorkSight features, our dealers work with you to build an uptime package that meets the specific needs of your machine, fleet, project, and business, including customized maintenance and repair agreements, onsite parts availability, extended warranties, fluid sampling, response-time guarantees, and more.

Get valuable insight with
JOHN DEERE WORKSIGHT™

John Deere WorkSight is an exclusive suite of telematic solutions that increases uptime while lowering operating costs. At its heart, JDLink™ Ultimate machine monitoring provides real-time data and health prognostics to suggest maintenance solutions that decrease costly downtime. Remote diagnostics enable your dealer to read codes, record performance data, and even update software without a trip to the jobsite.

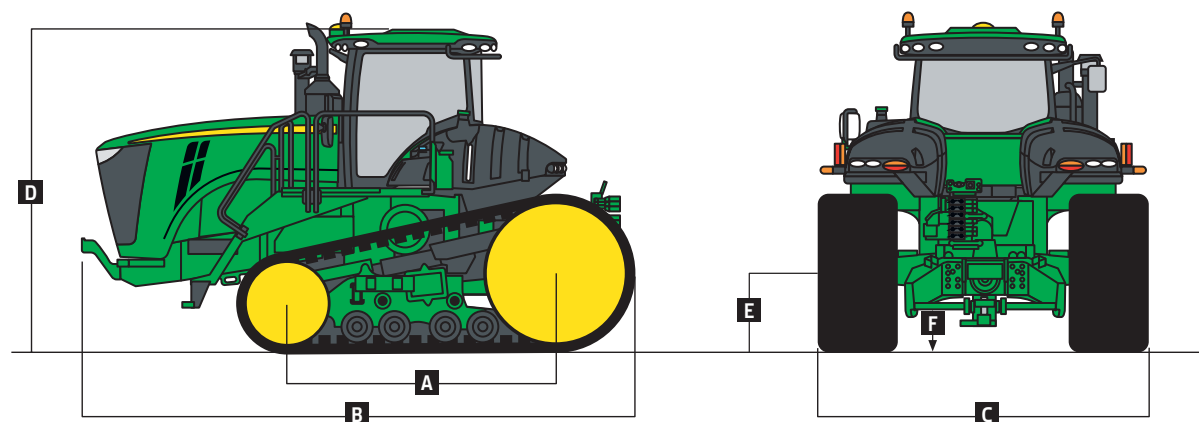


9470RT / 9520RT / 9570RT

Power (estimated)*	9470RT	9520RT	9570RT
Rated Engine Power PS (hp ISO) at 2,100 Engine rpm (97/68EC)*	346 kW (470 hp)	382 kW (520 hp)	419 kW (570 hp)
Rated Engine Power PS (hp ISO) at 2,100 Engine rpm (ECE-R24)	332 kW (451 hp)	367 kW (499 hp)	402 kW (547 hp)
Maximum Engine Power PS (hp ISO) at 1,900 Engine rpm (97/68EC)*	380 kW (517 hp)	421 kW (572 hp)	461 kW (628 hp)
Maximum Engine Power PS (hp ISO) at 1,900 Engine rpm (ECE-R24)	365 kW (496 hp)	404 kW (549 hp)	443 kW (602 hp)
Torque Rise (nominal engine) at 1,600 rpm	38%	38%	38%
Power Bulge (nominal engine) at 1,900 rpm	10%	10%	10%
Engine Peak Torque at 1,600 rpm	2169 Nm (1,600 lb.-ft.)	2400 Nm (1,770 lb.-ft.)	2631 Nm (1,941 lb.-ft.)
Constant Power Range	1,550 rpm	1,550 rpm	1,550 rpm
<i>*97/68EC power refers to average net brake power measured and corrected for ambient conditions according to the European Commission (EC) emissions directive. It is equivalent to internal Deere Standard RES10080 and SAE Standards J1349 and J1995.</i>			
Engine	9470RT / 9520RT	9570RT	
Manufacturer and Model (B20 diesel compatible)	John Deere PowerTech™ PSS 13.5L	Cummins® QSX15	
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV	EPA Final Tier 4/EU Stage IV	
Rated Speed	2,100 rpm	2,100 rpm	
Type	Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head	Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head	
Aspiration	Dual series turbocharger with fixed-geometry first-stage variable-geometry second-stage air-to-air aftercooling and cooled exhaust gas recirculation (EGR)	Single variable-geometry turbocharger air-to-air aftercooling and cooled EGR	
Filter, Engine Air	Dual stage with exhaust aspiration	Dual stage with exhaust aspiration	
Displacement	13.5 L (824 cu. in.)	14.9 L (912 cu. in.)	
Bore and Stroke	132 mm (5.2 in.) x 165 mm (6.5 in.)	137 mm (5.39 in.) x 169 mm (6.65 in.)	
Compression Ratio	16:0:1	17.2:1	
Lubrication	Full-flow filtration with bypass	Full-flow filtration with bypass	
Filter, Oil	Replaceable spin-on style	Replaceable spin-on style	
Fuel System			
Type	Electronically controlled, electronic unit injectors (self-priming)		High-pressure common rail
Filter System	2-stage with water separator and service-indicator light		2-stage with water separator
Primary	10-micron replaceable cartridge with water-indication sensor and drain		7-micron spin-on style with water-in-fuel sensor and drain
Secondary	2-micron spin-on element		3-micron spin-on element
Transmission	9470RT / 9520RT / 9570RT		
Type	e18™ 18-speed PowerShift™ 40 kph (25 mph); 18F, 6R with Efficiency Manager™		
Electrical System (3 batteries in parallel)	9470RT / 9520RT	9570RT	
Alternator/Battery	200 amps, 12 volt / 240 amps, 12 volt available		200 amps, 12 volt / 240 amps, 12 volt available
Total Cold-Cranking Amps (CCAs)	2,775 (3 – 925 CCA)		2,775 (3 – 925 CCA)
Batteries	3		4
Final Drives	9470RT / 9520RT / 9570RT		
Type	Outboard planetary		
Track Belts			
Type	Camoplast® Durabuilt® 6500 Series Scraper Special tracks; 762-mm (30 in.) wide standard		
Suspension System			
Type	Equipped with AirCushion™ suspension system		
Suspension Travel at Front Idlers	340 mm (13.4 in.)		
Hydraulic System			
Type	Closed center, pressure/flow compensated		
Selective Control Valves (SCVs)	4 standard / 6 optional		
Maximum Pressure	20 000 kPa (2,900 psi)		
Maximum Pump Flow, High Flow	Standard: 435 Lpm (115 U.S. gpm)		
Available Flow at a Single SCV (19.1-mm [0.75 in.] coupler)	Standard: 159 Lpm (42 U.S. gpm)		

SPECIFICATIONS

Drawbar	9470RT / 9520RT / 9570RT	
Maximum Drawbar Vertical Loader (short support)	10 206 kg (22,500 lb.)	
Connections		
JDLink™ Ultimate Connectivity	1 year standard / 3 years optional	
Remote Display Access	Standard with active JDLink subscription	
AutoTrac™ Ready	Standard	
CommandCenter™ Video with 4100 Processor	Single video input (Tyco Connector PN 776536-1) for camera using PAL or NTSC signal; integrated behind rear cab cover; camera and extension harness available through John Deere Parts	
Steering		
Type	Speed-sensitive, hydrostatic, differential; 130cc heavy-duty steering pump standard	
Brakes		
Type	Hydraulic power, wet disc, self-adjusting standard / hydraulic trailer brakes optional	
Capacities	9470RT / 9520RT	9570RT
Fuel Tank	1324 L (350 gal.)	1324 L (350 gal.)
Diesel Exhaust Fluid (DEF) Tank	93.9 L (24.8 gal.)	93.9 L (24.8 gal.)
Cooling System	63.5 L (16.7 gal.)	83 L (21.9 gal.)
Crankcase Oil Volume	48 L (12.7 gal.)	43.5 L (11.5 gal.)
Hydraulic/Transmission/Axle Oil	300 L (79.3 U.S. gal.)	300 L (79.3 U.S. gal.)
Miscellaneous	9470RT / 9520RT / 9570RT	
Estimated Shipping Weight (for tractor equipped with standard tracks, no PTO, and no 3-point rear hitch)	20 412 kg (45,000 lb.)	
Cab Glass Area	6.52 m ² (70.18 sq. ft.)	
Cab Volume	3.597 m ³ (127 cu. ft.)	
Maximum Ballast Level (see Operator's Manual for specific ballast instructions)	24 494 kg (54,000 lb.)	
<i>Nominal data is metric. Standard data is converted from metric data. Use metric for all calculations. Important: Values are based on factory-observed data.</i>		
Dimensions		
A Track on Ground	2956 mm (9 ft. 8 in.)	
B Length		
Front Weights to Back Rear Wheel	6020 mm (19 ft. 9 in.)	
C Width		
With 762-mm (30 in.) Track	3454 mm (11 ft. 4 in.)	
With Frame Weights	3962 mm (13 ft. 0 in.)	
D Height from Ground		
CommandView™ III Cab	3393 mm (11 ft. 2 in.)	
To Top of Exhaust	3856 mm (12 ft. 7 in.)	
To Top of Air Stack	3501 mm (11 ft. 6 in.)	
E Crop Clearance	345 mm (14 in.)	
F Height to Drawbar	483 mm (19 in.)	



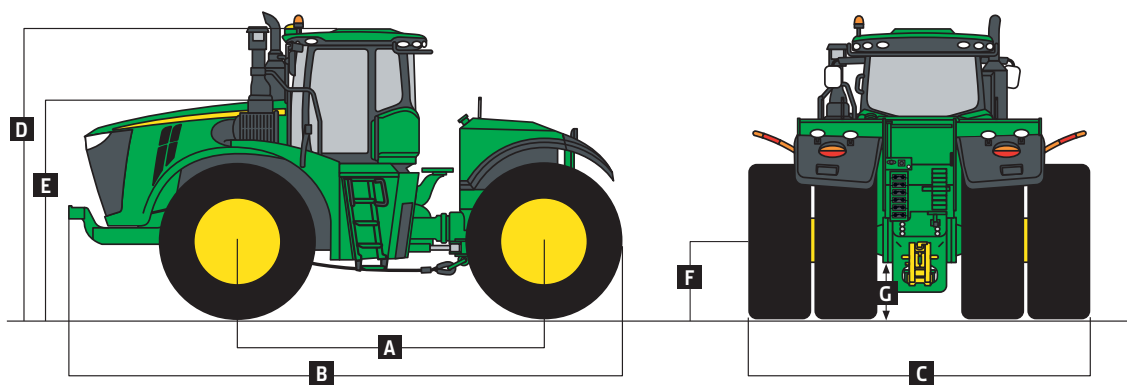
9470R / 9520R / 9570R / 9620R

Power (estimated)*	9470R	9520R	9570R	9620R
Rated Engine Power PS (hp ISO) at 2,100 Engine rpm (97/68EC)*	346 kW (470 hp)	382 kW (520 hp)	419 kW (570 hp)	456 kW (620 hp)
Rated Engine Power PS (hp ISO) at 2,100 Engine rpm (ECE-R24)	332 kW (451 hp)	367 kW (499 hp)	402 kW (547 hp)	438 kW (595 hp)
Maximum Engine Power PS (hp ISO) at 1,900 Engine rpm (97/68EC)*	380 kW (517 hp)	421 kW (572 hp)	461 kW (628 hp)	492 kW (670 hp)
Maximum Engine Power PS (hp ISO) at 1,900 Engine rpm (ECE-R24)	365 kW (496 hp)	404 kW (549 hp)	443 kW (602 hp)	473 kW (643 hp)
Torque Rise (nominal engine) at 1,600 rpm	38%	38%	38%	36%
Power Bulge (nominal engine) at 1,900 rpm	10%	10%	10%	8%
Engine Peak Torque at 1,600 rpm	2169 Nm (1,600 lb.-ft.)	2400 Nm (1,770 lb.-ft.)	2631 Nm (1,941 lb.-ft.)	2800 Nm (2,065 lb.-ft.)
Constant Power Range	1,550 rpm	1,550 rpm	1,550 rpm	1,550 rpm
<i>*97/68EC power refers to average net brake power measured and corrected for ambient conditions according to the European Commission (EC) emissions directive. It is equivalent to internal Deere Standard RES10080 and SAE Standards J1349 and J1995.</i>				
Engine	9470R / 9520R		9570R / 9620R	
Manufacturer and Model (B20 diesel compatible)	John Deere PowerTech™ PSS 13.5L		Cummins® QSX15	
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		EPA Final Tier 4/EU Stage IV	
Rated Speed	2,100 rpm		2,100 rpm	
Type	Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head		Diesel, in-line, 6-cylinder, wet-sleeve cylinder liners with 4 valves-in-head	
Aspiration	Dual series turbocharger with fixed-geometry first-stage variable-geometry second-stage air-to-air after-cooling and cooled exhaust gas recirculation (EGR)		Single variable-geometry turbocharger air-to-air aftercooling and cooled EGR	
Filter, Engine Air	Dual stage with exhaust aspiration		Dual stage with exhaust aspiration	
Displacement	13.5 L (824 cu. in.)		14.9 L (912 cu. in.)	
Bore and Stroke	132 mm (5.2 in.) x 165 mm (6.5 in.)		137 mm (5.39 in.) x 169 mm (6.65 in.)	
Compression Ratio	16:0:1		17.2:1	
Lubrication	Full-pressure, full-flow filtration with bypass		Full-pressure, full-flow filtration with bypass	
Filter, Oil	Replaceable spin-on style		Replaceable spin-on style	
Fuel System				
Type	Electronically controlled, electronic unit injectors (self-priming)		High-pressure common rail (self-priming)	
Filter System	2-stage with water separator and service-indicator light		2-stage with water separator and service-indicator light	
Primary	10-micron replaceable cartridge with water-indication sensor and drain		7-micron spin-on style with water-in-fuel sensor and drain	
Secondary	2-micron spin-on element		3-micron spin-on element	
Transmission	9470R / 9520R / 9570R / 9620R			
Type	e18™ 18-speed PowerShift™ 40 kph (25 mph); 18F, 6R with Efficiency Manager™			
Electrical System (3 or 4 batteries in parallel)	9470R / 9520R		9570R / 9620R	
Alternator/Battery	200 amps, 12 volt / 240 amps, 12 volt optional		200 amps, 12 volt / 240 amps, 12 volt optional	
Batteries (925 CCA)	3		4	
Wheel Equipment	9470R / 9520R / 9570R / 9620R			
Type	Group 47/48 tires available as single/duals (see dealer for tire-size selection and limitations)			
Differential Lock				
Type	Full-locking electrohydraulic, front and rear axle, with Auto Mode			
Hydraulic System				
Type	Closed center, pressure/flow compensated			
Selective Control Valves (SCVs)	4 standard / 6 optional			
Maximum Pressure	20 000 kPa (2,900 psi)			
Maximum Pump Flow				
Base Hydraulics (12.7-mm [0.50 in.] coupler)	Standard: 220 Lpm (58 U.S. gpm)			
High-Flow Hydraulics (19.1-mm [0.75 in.] coupler)	Optional: 435 Lpm (115 U.S. gpm)			
Available Flow at a Single SCV				
12.7-mm (0.50 in.) Coupler	132 Lpm (35 U.S. gpm)			
With High Flow (19.1-mm [0.75 in.] coupler)	159 Lpm (42 U.S. gpm)			
Drawbar				
Maximum Drawbar Vertical Load				
For Short Scraper Drawbars (standard)	10 206 kg (22,500 lb.)			
For Long Scraper Drawbars (optional)	8391 kg (18,500 lb.)			

SPECIFICATIONS

Connections	9470R / 9520R / 9570R / 9620R	
JDLINK™ Ultimate Connectivity	1 year standard / 3 years optional	
Remote Display Access	Standard with active JDLINK subscription	
AutoTrac™ Ready	Standard	
Capacities	9470R / 9520R	9570R / 9620R
Fuel Tank	1514 L (400 gal.)	1514 L (400 gal.)
Diesel Exhaust Fluid (DEF) Tank	83 L (22 gal.)	83 L (22 gal.)
Cooling System	63.5 L (16.8 gal.)	83 L (21.9 gal.)
Crankcase with Filter	48 L (12.7 gal.)	43.5 L (11.5 gal.)
Hydraulic/Transmission/Axle Oil	223 L (59 U.S. gal.)	223 L (59 U.S. gal.)
Brakes	9470R / 9520R / 9570R / 9620R	
Type	Hydraulic power, wet disc, self-adjusting on front and rear axle standard / hydraulic trailer brakes optional	
Turning Radius		
Wheelbase Length	3912 mm (154 in.)	
Turning Radius		
With Group 47 Tires	6035 mm (19.8 ft.)	
With Group 48 Tires	6035 mm (19.8 ft.)	
Miscellaneous	9470R / 9520R	9570R / 9620R
Estimated Shipping Weight (for tractor equipped with standard tracks, no PTO, and no 3-point rear hitch)	19 030 kg (41,950 lb.)	18 970 kg (41,820 lb.)
Cab Glass Area	6.52 m ² (70.18 sq. ft.)	6.52 m ² (70.18 sq. ft.)
Cab Volume	3.597 m ³ (127 cu. ft.)	3.597 m ³ (127 cu. ft.)
Maximum Ballast Level (see Operator's Manual for specific ballast instructions)	24 494 kg (54,000 lb.)	24 494 kg (54,000 lb.)
<i>Nominal data is metric. Standard data is converted from metric data. Use metric for all calculations. Important: Values are based on factory-observed data.</i>		
Dimensions	9470R / 9520R	9570R / 9620R
A Wheelbase	3912 mm (12 ft. 10 in.)	3912 mm (12 ft. 10 in.)
B Overall Length	7432 mm (24 ft. 4 in.)	7432 mm (24 ft. 4 in.)
C Overall Width (with base 710/70R42 tires)		
Dual Minimum	4420 mm (14 ft. 6 in.)	4420 mm (14 ft. 6 in.)
Dual Maximum	4496 mm (14 ft. 9 in.)	4496 mm (14 ft. 9 in.)
Left-Hand Step to Right-Hand Aftertreatment	2953 mm (9 ft. 8 in.)	2953 mm (9 ft. 8 in.)
D Height from Ground		
CommandView™ III Cab	3735 mm (12 ft. 3 in.)	3735 mm (12 ft. 3 in.)
To Top of Exhaust	3979 mm (13 ft. 0 in.)	4135 mm (13 ft. 7 in.)
To Top of Air Stack	3676 mm (12 ft. 1 in.)	3676 mm (12 ft. 1 in.)
E To Top of Hood	2741 mm (9 ft. 0 in.)	2741 mm (9 ft. 0 in.)
F Crop Clearance	383 mm (15 in.)	383 mm (15 in.)
G Height to Hinge Pin	536 mm (21 in.)	536 mm (21 in.)
Height to Drawbar Support	383 mm (15 in.)	383 mm (15 in.)
Height to Drawbar	447 mm (17.6 in.)	447 mm (17.6 in.)

Note: The use of 76x50-32 single tires allows the John Deere Scraper Special Tractor to get below 3658-mm (12 ft.) transport width.



CARRY-ALL SCRAPERS

2112D C

DEERE

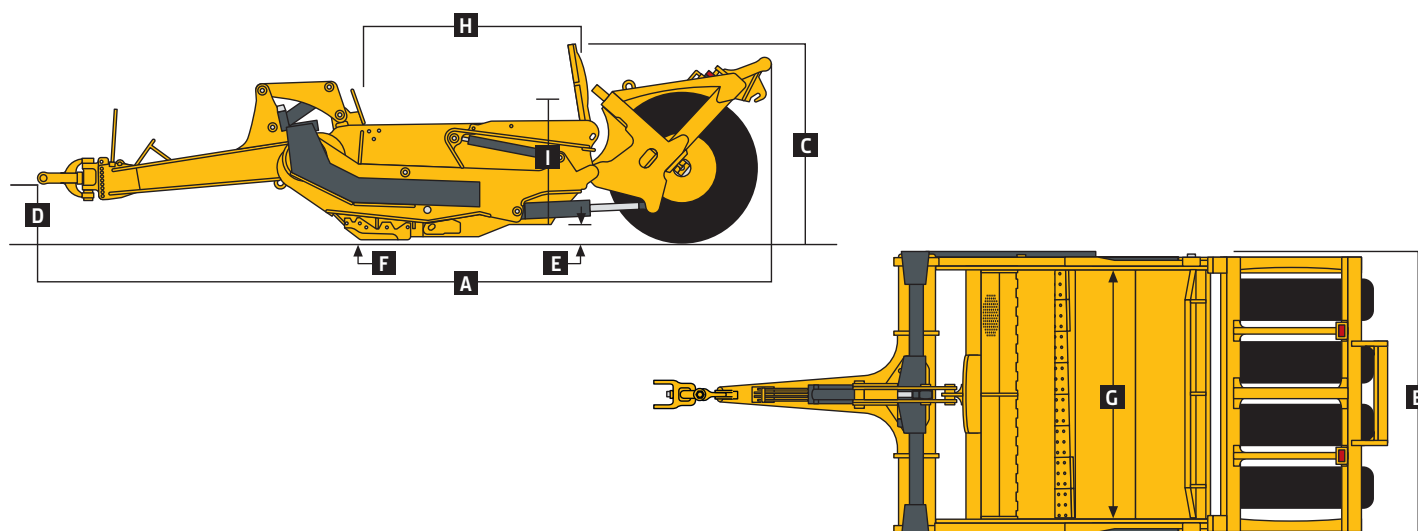
Capacities (ISO 6485 / SAE J741)	1510D C (4 Tire)	1810D C (4 Tire)	1812D C (4 Tire)	1814D C (6 Tire)	2112D C (6 Tire)
Heaped	11.5 m ³ (15.0 cu. yd.)	13.8 m ³ (18.0 cu. yd.)	13.8 m ³ (18.0 cu. yd.)	13.8 m ³ (18.0 cu. yd.)	16.4 m ³ (21.5 cu. yd.)
Struck	8.4 m ³ (11.0 cu. yd.)	9.2 m ³ (12.0 cu. yd.)	10.7 m ³ (14.0 cu. yd.)	10.7 m ³ (14.0 cu. yd.)	10.7 m ³ (14.0 cu. yd.)
Warranty, Full Machine	1510D C / 1810D C / 1812D C / 1814D C / 2112D C				
Standard	12 months				
Tires	1510D C	1810D C	1812D C	1814D C	2112D C
Tires Per Scraper	4	4	4	6	4
Type/Size					
17.5 x 25-in. 16-Ply E3 Bias	Standard	—	—	Standard	—
20.5 x 25-in. 24-Ply E3 Bias	Optional	Standard	Standard	Optional	—
23.5 x 25 in. 28-Ply E3 Bias	—	—	—	—	Standard
26.5R25 Premium E3 Radial or 28-Ply E3 Bias	—	—	—	—	Optional
Weights					
Approximate Shipping Weight	7620 kg (16,800 lb.)	9307 kg (20,500 lb.)	8603 kg (18,950 lb.)	9534 kg (21,000 lb.)	11 486 kg (25,300 lb.)
Scraper Weight Distribution					
Tongue	28%	28%	28%	26%	28%
Wheels	72%	72%	72%	74%	72%
Blades					
Blade Type, 3-Piece Reversible	Standard	Standard	Standard	Standard	Optional
254-mm (10 in.) Sides					
With 330-mm (13 in.) Center	Standard	Standard	Standard	Standard	Standard
With 406-mm (16 in.) Center	Optional	N/A	Optional	N/A	N/A
With 508-mm (20 in.) Center	N/A	Optional	N/A	N/A	Optional
Adjustable Router Bits	Standard	Standard	Standard	Standard	Standard
152-mm (6 in.) Bolt-Hole Spacing for Ejector-Style Blades	N/A	Standard	N/A	N/A	Standard
Long Blades, Drop Center of Teeth	N/A	Optional	N/A	N/A	Optional
Super Frost Bit	Optional	N/A	Optional	Optional	N/A
Turning Radius to Outside Rear Tractor Tires					
Single Scraper*	9.4 m (31 ft. 0 in.)	10.1 m (33 ft. 0 in.)	9.4 m (31 ft. 0 in.)	11.3 m (37 ft. 0 in.)	10.4 m (34 ft. 0 in.)
Tandem Scrapers**	11.3 m (37 ft. 0 in.)	12.5 m (41 ft. 0 in.)	11.3 m (37 ft. 0 in.)	11.3 m (37 ft. 0 in.)	13.1 m (43 ft. 0 in.)

*For single scrapers with the long drawbar, subtract 305 mm (12 in.) from the above.

**The turning radius is approximately the same for tandem scrapers with the long or short drawbar.

SPECIFICATIONS

Dimensions	1510D C (4 Tire)	1810D C (4 Tire)	1812D C (4 Tire)	1814D C (6 Tire)	2112D C (6 Tire)
A Length	7569 mm (24 ft. 10 in.)	8407 mm (27 ft. 7 in.)	7569 mm (24 ft. 10 in.)	7671 mm (25 ft. 2 in.)	9093 mm (29 ft. 10 in.)
B Width	3607 mm (11 ft. 10 in.)	3581 mm (11 ft. 9 in.)	4216 mm (13 ft. 10 in.)	4826 mm (15 ft. 10 in.)	4191 mm (13 ft. 9 in.)
C Height	2286 mm (7 ft. 6 in.)	2438 mm (8 ft. 0 in.)	2286 mm (7 ft. 6 in.)	2286 mm (7 ft. 6 in.)	2438 mm (8 ft. 0 in.)
D Hitch/Drawbar	610 mm (24 in.)	610 mm (24 in.)	610 mm (24 in.)	610 mm (24 in.)	610 mm (24 in.)
E Blade – Bowl Up	483 mm (19 in.)	508 mm (19 in.)	483 mm (19 in.)	533 mm (19 in.)	482 mm (19 in.)
F Router – Bowl Up	406 mm (16 in.)	381 mm (15 in.)	406 mm (16 in.)	457 mm (18 in.)	406 mm (16 in.)
Bowl					
G Width	3048 mm (10 ft. 0 in.)	3048 mm (10 ft. 0 in.)	3658 mm (12 ft. 0 in.)	4267 mm (14 ft. 0 in.)	3658 mm (12 ft. 0 in.)
H Length	2337 mm (7 ft. 8 in.)	2692 mm (8 ft. 10 in.)	2337 mm (7 ft. 8 in.)	2083 mm (6 ft. 10 in.)	2692 mm (8 ft. 10 in.)
I Height	1168 mm (3 ft. 10 in.)	1168 mm (3 ft. 10 in.)	1168 mm (3 ft. 10 in.)	1168 mm (3 ft. 10 in.)	1168 mm (3 ft. 10 in.)



Transport Clearance	1510D C	1810D C	1812D C	1814D C	2112D C
Tires					
17.5 x 25-in. 16-Ply E3 Bias	431 mm (17 in.)	N/A	N/A	457 mm (18 in.)	N/A
20.5 x 25-in. 24-Ply E3 Bias	482 mm (19 in.)	482 mm (19 in.)	482 mm (19 in.)	508 mm (20 in.)	N/A
23.5 x 25 in. 28-Ply E3 Bias	N/A	N/A	N/A	N/A	482 mm (19 in.)
26.5R25 Premium E3 Radial	N/A	N/A	N/A	N/A	533 mm (21 in.)

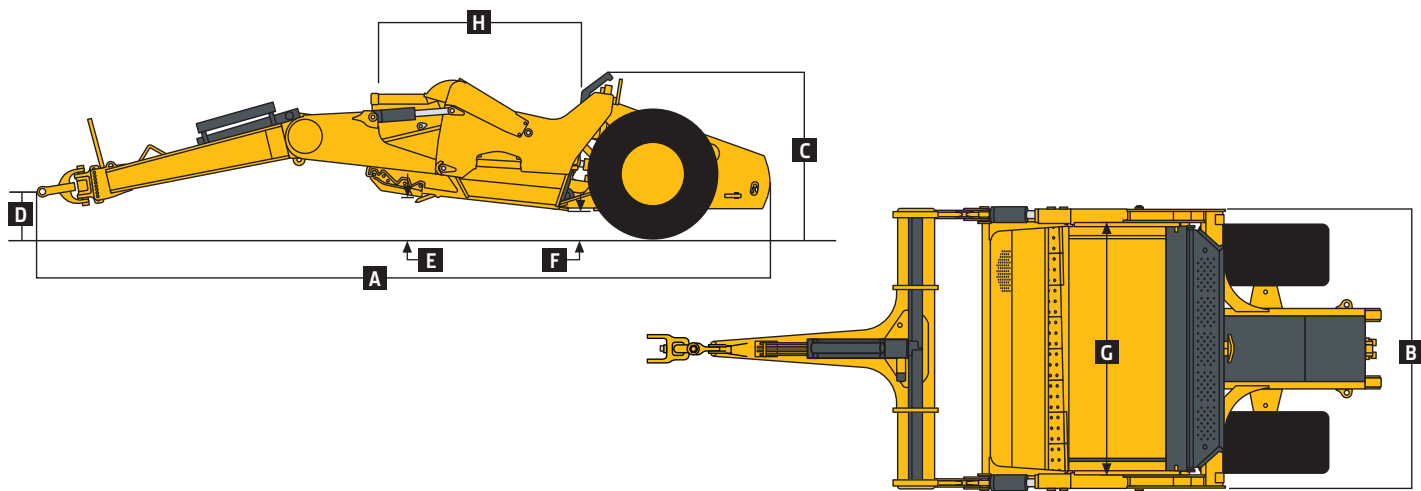
EJECTOR SCRAPERS

Capacities	1612D E (4 Tire)	2010D E (4 Tire)	2010D E (2 Tire)	2014D E (6 Tire)	2412D E (4 Tire)	2412D E (2 Tire)
Struck	9.2 m ³ (12.0 cu. yd.)	10.4 m ³ (13.6 cu. yd.)	10.4 m ³ (13.6 cu. yd.)	11.1 m ³ (14.6 cu. yd.)	12.1 m ³ (15.8 cu. yd.)	12.1 m ³ (15.8 cu. yd.)
Heaped	12.2 m ³ (16.0 cu. yd.)	15.3 m ³ (20.0 cu. yd.)	15.3 m ³ (20.0 cu. yd.)	15.3 m ³ (20.0 cu. yd.)	18.3 m ³ (24.0 cu. yd.)	18.3 m ³ (24.0 cu. yd.)
Weights						
Approximate Shipping Weight	10 296 kg (22,700 lb.)	10 480 kg (23,100 lb.)	11 793 kg (26,000 lb.)	12 020 kg (26,500 lb.)	12 791 kg (28,200 lb.)	13 080 kg (29,500 lb.)
Weight Distribution						
Tongue	24%	25%	26%	26%	25%	25%
Wheels	76%	75%	74%	74%	75%	75%
Tires						
Size						
17.5 – 25	—	—	—	Standard	—	—
20.5 – 25	Standard	Standard	—	Optional	—	—
23.5 – 25	—	—	—	—	Standard	—
26.5 R25	—	—	—	—	Optional	—
29.5 R25	—	—	Standard	—	—	—
875/65 R29	—	—	—	—	—	Standard
Number of Tires	4	4	2	6	4	2
Hydraulics						
Recommended, Minimum	94.6 Lpm (25 gpm) / 19 995 kPa (2,900 psi)	94.6 Lpm (25 gpm) / 19 995 kPa (2,900 psi)	94.6 Lpm (25 gpm) / 19 995 kPa (2,900 psi)	94.6 Lpm (25 gpm) / 19 995 kPa (2,900 psi)	94.6 Lpm (25 gpm) / 19 995 kPa (2,900 psi)	94.6 Lpm (25 gpm) / 19 995 kPa (2,900 psi)



SPECIFICATIONS

Dimensions	1612D E (4 Tire)	2010D E (4 Tire)	2010D E (2 Tire)	2014D E (6 Tire)	2412D E (4 Tire)	2412D E (2 Tire)
A Length	8585 mm (28 ft. 2 in.)	9042 mm (29 ft. 8 in.)	9754 mm (32 ft. 0 in.)	8179 mm (26 ft. 10 in.)	9982 mm (32 ft. 9 in.)	10 592 mm (34 ft. 9 in.)
B Width	4089 mm (13 ft. 5 in.)	3632 mm (11 ft. 11 in.)	3632 mm (11 ft. 11 in.)	4851 mm (15 ft. 11 in.)	4089 mm (13 ft. 5 in.)	4089 mm (13 ft. 5 in.)
C Height	2312 mm (7 ft. 7 in.)	2312 mm (7 ft. 7 in.)	2337 mm (7 ft. 8 in.)	2312 mm (7 ft. 7 in.)	2337 mm (7 ft. 8 in.)	2337 mm (7 ft. 8 in.)
D Hitch/Drawbar	610 mm (24 in.)	610 mm (24 in.)	610 mm (24 in.)	610 mm (24 in.)	610 mm (24 in.)	610 mm (24 in.)
E Blade – Bowl Up	508 mm (20 in.)	508 mm (20 in.)	508 mm (20 in.)	508 mm (20 in.)	533 mm (21 in.)	533 mm (21 in.)
F Floor – Bowl Up	432 mm (17 in.)	381 mm (15 in.)	381 mm (15 in.)	432 mm (17 in.)	381 mm (15 in.)	381 mm (15 in.)
G Bowl Width	3658 mm (12 ft. 0 in.)	3200 mm (10 ft. 6 in.)	3200 mm (10 ft. 6 in.)	4420 mm (14 ft. 6 in.)	3658 mm (12 ft. 0 in.)	3658 mm (12 ft. 0 in.)
H Bowl Length	2337 mm (7 ft. 8 in.)	2794 mm (9 ft. 2 in.)	2794 mm (9 ft. 2 in.)	2337 mm (7 ft. 8 in.)	2794 mm (9 ft. 2 in.)	2794 mm (9 ft. 2 in.)



Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

Tracked	Wheeled	Engine
●	●	Variable horsepower
●	●	Air-to-air aftercooling and cooled Exhaust Gas Recirculation (EGR)
●	●	2-stage fuel filtration with water separator and service indicator light
▲	▲	Fuel/water separator, severe duty
Transmission		
●	●	e18™ PowerShift™ 18F/6R with Efficiency Manager™
Steering and Brakes		
	●	Hydraulic power steering
	▲	ActiveCommand Steering™ (ACS)
●		Speed-sensitive, hydrostatic, differential steering with heavy-duty 130cc pump
●	●	Tilt/telescoping steering wheel
●	●	Hydraulic power, wet disc, self-adjusting
●	●	Internal park brake (spring on, hydraulic off)
Hydraulic System		
	●	Standard-flow, 220 L/min (58 gpm)
●	▲	High-flow, 435 L/min (115 gpm)
	●	4 – 13.7-mm (0.5 in.) Selective Control Valves (SCVs) for standard-flow
●	▲	4 – 19.1-mm (0.75 in.) SCVs for high-flow
▲	▲	6 – 19.1-mm (0.75 in.) SCVs
●	●	TouchSet™ hydraulic controls
●	●	Push/pull breakaway couplers
●	●	High-pressure relief levers
▲	▲	Hydraulic trailer brake valve
▲	▲	Hydraulic hose hanger
Drawbar		
	▲	Drawbar support for long scraper drawbars (for John Deere and competitive scrapers)
●	●	Drawbar support for short scraper drawbars (for John Deere scrapers)
CommandView™ III Cab		
●	●	ComfortCommand™ seat with fore-aft and lateral attenuation and lumbar support / Adjustable right-hand CommandARM™ armrest controls with integrated CommandCenter™ display / 40 deg. of seat swivel to the right / Remote radio controls located on CommandARM / Front and rear windshield washer and wiper / Slow-Moving Vehicle (SMV) emblem / Automatic temperature control with controls located on CommandARM / Front pull-down sunshade / Right and left outside mirrors (manual adjustment) / Power strip with convenient plug adapter / Folding instructional seat / Falling Object Protective Structure (FOPS)
Premium CommandView III Cab		
▲	▲	ActiveSeat™ (wheeled tractor only) with fore-aft and lateral attenuation, lumbar support, and backrest extension / Adjustable right-hand CommandARM armrest controls with integrated CommandCenter display / 40 deg. of seat swivel to the right / Remote radio controls located on CommandARM / Front, rear, and right-hand windshield wiper and washer / SMV emblem / Front, rear, and right-hand sunshades / Automatic temperature control with controls located on CommandARM / Power strip with convenient plug adapter / Right and left outside mirrors (electrically adjustable) / Folding instructional seat / FOPS

Tracked	Wheeled	Radio
●	●	Less radio, less speakers (wiring harness only)
▲	▲	Deluxe radio package
▲	▲	Premium radio package with XM Satellite Radio™
Instrumentation		
●	●	Generation 4 CommandCenter 254-mm (10 in.) color display, touch screen, video ready
Electrical System		
●	●	Backup (reverse) alarm
Lights (with flashing rotary beacon)		
●	●	Deluxe lighting
▲	▲	Premium high-intensity LED lighting
Final Drives, Axles, Wheels, Tires, Tracks, and Suspension		
▲		Poly mid rollers
	●	Inboard planetary with double reduction and axle flats
●		Outboard planetary with fixed track gauge
	●	Automatic front and rear differential lock
	●	Heavy-duty cast inner drive (4) and steel outer drive (4) wheel hubs
	▲	76x50-32 single (4) – single-configuration logger
	▲	710/70R38 R1W radial (8) – dual configuration
	▲	710/70R38 R1W increased flexion radial (8) – dual configuration
	▲	620/70R46 R1W radial – dual configuration
	▲	650/85R38 R1W increased flexion radial – dual configuration
	●	710/70R42 R1W radial – dual configuration
	▲	710/70R42 R1W increased flexion radial – dual configuration
●		762-mm (30 in.) width, 208-mm (8.2 in.) pitch Camoplast Durabilt 6500 Series Scraper Special tracks
●		AirCushion™ suspension system
	▲	HydraCushion™ front-axle suspension (standard on 9620R)
Weights and Ballast		
	▲	Front weight support without front weights
	▲	Front weight support with 16 or 36 weights
▲		Front weight support (holds up to 26 weights)
	▲	Front 2758-kg (6,080 lb.), 2 – 653-kg (1,440 lb.) inside/inner, 2 – 75-kg (165 lb.), and 6 – 204-kg (450 lb.) outside dual weights
▲		2 track-frame weight brackets (1 per side)
▲		Front idler weights ballast package
▲		Front idler starter weight package
Overall Vehicle / Miscellaneous		
	●	Heavy-duty gudgeon with taper roller bearing
	●	Greaseable steering cylinder pins
●	●	Tow cable – factory installed
●	●	FOPS on cab roof
●	●	Drawbar hitch adapters to pull drawn implements
▲	▲	Battery-disconnect kit (wheel) – field installed
▲	▲	Tire pressure-monitoring kit – field installed
▲	▲	Door locks, custom key – field installed
▲	▲	SMV emblem
▲	▲	Radar with dual-beam sensor

Tracked	Wheeled	Overall Vehicle / Miscellaneous (continued)
▲	▲	AutoLoad™ tractor
▲	▲	Antenna mount and wiring for business-band radio
	●	Heavy-duty front and rear axle-to-frame reinforcement
▲	▲	Actively cooled refrigeration unit
	▲	Heated and power telescoping mirrors
▲	▲	2nd rotary beacon light
▲	▲	240-amp high-capacity alternator
●	●	JDLink™ wireless communication system with 1 year of subscription service included (available in specific countries; see your dealer for details)
▲	▲	JDLink wireless communication system with 3 years of subscription service included (available in specific countries; see your dealer for details)
Carry-All	Ejector	Rear Hitch and Brakes
●	●	Standard rear hitch
▲		Quick-attach rear hitch (factory installed only)
	▲	Quick-attach rear hitch with integrated push bumper (standard on 2-tire models)
▲	▲	Standard rear hitch and brakes*
▲		Quick-attach rear hitch and brakes*
Hoses and Couplers		
●	●	For single or rear scraper in tandem application
▲	▲	For front scraper in tandem application
▲	▲	Triple lines for front scraper in triple application**
Cutting Edges and Routers		
●	●	Straight cutting-edge configuration
▲	▲	Drop-center cutting-edge configuration
●	●	Adjustable router bits
●	●	Segmented blades
AutoLoad		
●	●	AutoLoad ready
▲	▲	AutoLoad
Attachments		
▲	▲	Global Positioning System (GPS) position of laser-receiver bracket
▲		Bolt-on rear bumper
	▲	Quick-attach rear hitch with integrated push bumper
▲	●	Super overflow spill guard
▲	▲	Precision land-leveling kit
Drawbars and Adapters		
▲	▲	AutoLoad quick-attach drawbar for short drawbar support
▲	▲	AutoLoad quick-attach drawbar for long drawbar support
▲	▲	AutoLoad-ready drawbar for long drawbar support
▲	▲	AutoLoad drawbar for long drawbar support
▲	▲	AutoLoad quick-attach drawbar for 9RT Scraper Tractors
▲	▲	Universal drawbar for competitive tractors
▲	▲	Universal quick-attach drawbar for competitive tractors
▲	▲	Scraper drawbar hitch adapter
▲	▲	Scraper quick-attach drawbar hitch adapter

*Not available on the 1510D C Carry-All Scraper.

**Not available on the 1612D E Ejector Scraper.



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