# TRACTOR LOADERS











### DEPENDABLE, DURABLE,

### AND DOWN TO BUSINESS.

L-Series Tractor Loaders aren't modified backhoes, unlike many competitor offerings. These industrial-strength machines are purpose built for tractor-loader owners and their unique applications.

### Powerful, fluid-efficient engines

Rugged diesels — EPA Final Tier 4 (FT4)/EU Stage IV PowerTech™ Plus for the 210L and Interim Tier 4 (IT4)/EU Stage IIIB PowerTech™ E for the 210L EP — 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) and selective catalytic reduction (SCR). The 210L EP requires no aftertreatment.

### Reversible router bits extend wear

Router bits are reversible, for double the life.

### Hydraulically actuated clutch packs

Clutch packs are hydraulically actuated to deliver more reliable performance, regardless of operating conditions and load.

#### Maintenance-free batteries

Standard maintenance-free batteries reduce periodic service, improve cold-starting reliability, and lengthen battery life.

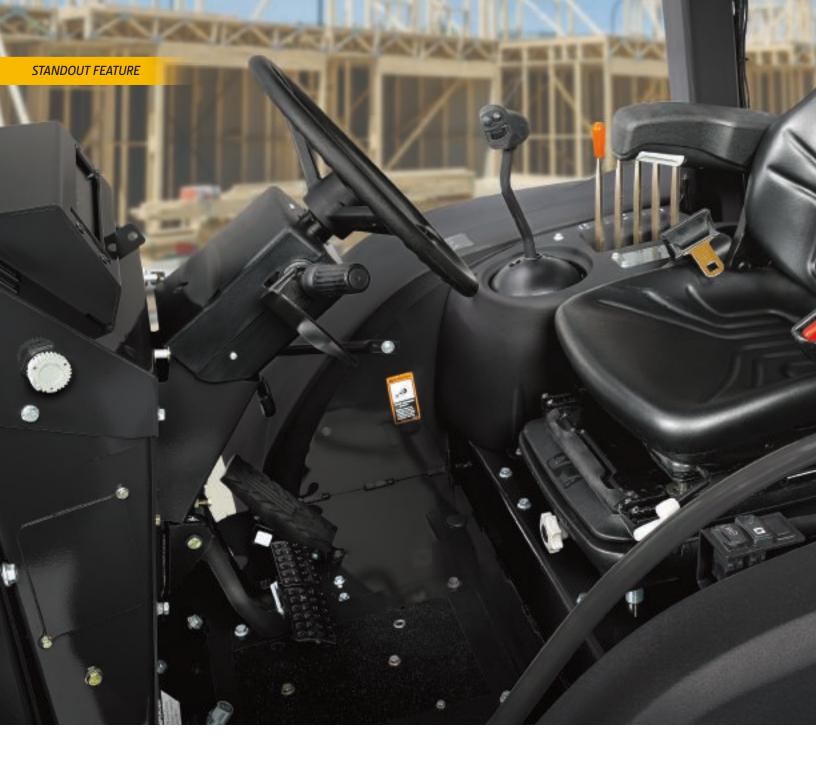
### More durable components

Larger-diameter hitch-pitch and tiltcylinder pins improve durability for long life. Optional transmission guard provides more protection from stones, stumps, and debris, while preventing material accumulation when backing over the pile.

#### Better resale value

You'll profit from proven John Deere advantages such as smooth and responsive hydraulics, exceptional reliability, low daily operating costs, and unsurpassed resale.





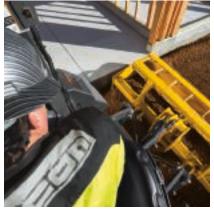
## COMFORT, CONVENIENCE, AND CONTROL

TAKE A TURN FOR THE BETTER.

With customer-inspired enhancements such as increased seat rotation and an ergonomic loader grip, our operator stations once again set the standard for comfort and ease of control. Whether equipped with a canopy or optional four-season air-conditioned/heated cab, L-Series machines beat fatigue and boost productivity.









#### More comfort and visibility

Right-hand armrest is larger and more comfortable. Seat rotation has been increased from 50 to 70 deg. for a better view to the box blade and easier entry and exit. Unrestricted visibility out the front and rear is even more expansive.

#### Vital info at a glance

Easy-view monitor displays important operating information at a glance. Available passcode-enabled machine-security system helps prevent unauthorized machine movement.

### New easy-to-use loader-control grip

New "palm-on-top" loader-control grip is even more comfortable and easy to use. Optional control of clutch disconnect, auxiliary proportional roller, and momentary mechanical-front-wheel drive is at your fingertips.

### **Elevated canopy platform**

Higher canopy with wider and lower step provides better visibility over the hood and to the corners of the front bucket, as well as to the rear box blade. Makes it easier to service under-canopy components, too.

### Smooth-shifting PowerShift™ transmission

Exclusive PowerShift transmission allows smooth no-clutch fingertip shifting and direction changes for fast work cycles.



### **PURPOSE BUILT**

### FOR YOUR MULTIPLE PURPOSES.

Whether you do earthwork or roadwork, land clearing or landscaping — if it's a versatile heavy-duty tractor loader you need, get an L-Series.

### More rear-weight options

700- and 1,500-lb. rear ballast-weight packages give you more versatility to customize your machine to your application. 700-lb. hitch-weight package is now compatible with power takeoff (PTO) for even greater versatility.

### On-the-fly MFWD with optional limited-slip front axle

Mechanical-front-wheel drive (MFWD) and differential lock can be engaged on-the-go to give extra traction in poor underfoot conditions or for moving heavy loads. Optional limited-slip front axle delivers 65 percent of available power to the tire with the best traction. For true all-wheel-drive pulling power.

### Increased hitch range of motion and control

New hitch design makes it easier to position the box blade over the pile, for more versatility and productivity. Optional dual-tilt rear hydraulic cylinders provide greater three-point side-to-side hitch control of rear attachments.

#### Work our connections

Equipped with an optional loader coupler or three-point hitch coupler, L-Series Tractor Loaders accept numerous productivity-enhancing attachments. Integral three-point hitch and optional PTO accommodate a variety of Category 2 tools such as disks, mowers, blades, and box scrapers.

#### See more, do more

New fender design and improved lighting scheme provide better visibility around the canopy.

### Extend your workday

Premium LED lighting package option for canopy units includes two front spotlights and two rear and two side floodlights. For enhanced visibility to the rear work tools in low- or no-light conditions.









### CHEAP UPKEEP

MORE SAVINGS. LESS HASSLE.

### No DPF

No diesel particulate filter (DPF) is needed on either model, reducing downtime and expense.

### Quiet, fuel-efficient fan

Variable-speed electronically controlled fan on the 210L automatically speeds up or slows down, operating only as needed to keep things cool. Helps conserve power and fuel, while reducing noise. Viscous variable-speed fan option is available for the 210L EP.

### Same-side ground-level service

Two-position tilt hood provides same-side ground-level access to engine and transmission dipsticks, engine-oil fill, fuel and air filters, and coolant reservoir. Fuel fill is also closely convenient.

### Easy clean-out coolers

Hydraulic and transmission coolers mounted in the mainframe are unhinged. Radiator, charge air, fuel, and A/C condenser coolers are in the front, if equipped.

### **Onboard diagnostics**

If something goes wrong, the multilanguage monitor displays easy-tounderstand diagnostic information about the issue, along with a trouble code, to help get you back up and running quickly.



### 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.

### 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 the 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 quarantees, and more.





## 210LEP/210L SPECIFICATIONS

Engine	210L EP		210L			
Manufacturer and Model	John Deere PowerTech™	E 4045HT072 turbocharged	John Deere PowerTech™ Plus 4045HT082 turbo-			
			charged			
Non-Road Emission Standard	EPA Interim Tier 4/EU Sta	age IIIB	EPA Final Tier 4/EU Stage IV			
Displacement	4.5 L (276 cu. in.)		4.5 L (276 cu. in.)			
Net Peak Power (ISO 9249)	52 kW (70 hp) at 1,900 r	pm /	69 kW (93 hp) at 2,244 rpm			
	55 kW (73 hp) at 2,100 r	pm with viscous fan option				
Net Peak Torque (ISO 9249)	311 Nm (229 lbft.) at 1,	,500 rpm	383 Nm (282 lbft.) at 1,400 rpm			
Net Torque Rise	32%		28%			
Lubrication	Pressure system with spi		Pressure system with spi	n-on filter and cooler		
Air Cleaner	Dual-stage dry type with	safety element and evacuate	or valve			
Cooling						
Fan Type	Suction-type cooling fan	standard; viscous variable-	Electronically controlled, variable rate, suction type			
	rate (temperature-contro	olled) fan optional				
Engine Coolant Rating	–40 deg. C (–40 deg. F)		–40 deg. C (–40 deg. F)			
Engine Oil Cooler	Oil to water		Oil to water			
Powertrain						
Transmission		rs, full PowerShift™ transmis	sion with hydraulic reverse	r standard; electric clutch		
	cutoff on loader lever					
Torque Converter	Single stage, dual phase	with 2.63:1 stall ratio, 280 n	nm (11 in.)			
Maximum Travel Speeds Measured with 16.9L-24						
Rear Tires	Forward	Reverse	Forward	Reverse		
Gear 1	5.1 km/h (3.2 mph)	7.0 km/h (4.0 mph)	5.1 km/h (3.2 mph)	7.0 km/h (4.0 mph)		
Gear 2	9.9 km/h (6.2 mph)	12.9 km/h (7.8 mph)	9.9 km/h (6.2 mph)	12.9 km/h (7.8 mph)		
Gear 3	20.0 km/h (12.4 mph)	_	20.0 km/h (12.4 mph)	_		
Gear 4	31.7 km/h (19.7 mph)	_	31.7 km/h (19.7 mph)	_		
Axles						
Axle Oscillation, Stop to Stop, Front Axle	22 deg.					
Axle Ratings	Mechanical-Front-					
	Wheel Drive (MFWD)	Rear				
SAE J43	4500 kg (9,921 lb.)	6500 kg (14,330 lb.)				
Dynamic	8500 kg (18,739 lb.)	9500 kg (20,944 lb.)				
Static	23 500 kg (51,809 lb.)	26 000 kg (57,320 lb.)				
Ultimate	37 000 kg (81,571 lb.)	39 500 kg (87,083 lb.)				
Steering (ISO 5010)		ng and emergency steering				
Axle	MFWD					
Curb-Turning Radius						
With Brakes	3.58 m (11 ft. 9 in.)					
Without Brakes	4.24 m (13 ft. 11 in.)					
Bucket-Clearance Circle						
With Brakes	10.23 m (33 ft. 7 in.)					
Without Brakes	11.19 m (36 ft. 9 in.)					
	2.7					
Steering Wheel Turns (lock to lock)	=	6 1 1				
MFWD and Rear Axle	=	anetary final drives distribute	e shock loads over 3 gears;	automatic MFWD kick-out		





Powertrain (continued)	210L EP / 210L				
Brakes (ISO 3450)					
Service	Power assisted, hydraulic wet disc, mounted inboard, self-adjusting and self-equalizing; MFWD braking on all gears when MFWD is engaged				
Parking	Spring applied, hydraulically released, wet, multi-disc, independent of service brakes with electric switch control				
Hydraulics	210L EP 210L				
Main Pump	Open center, single-gear	pump, priority valve	Open center, single-gear pump, priority valve		
Pump Flow, Hitch and Loader, at 2,250 rpm	78 L/m (20.5 gpm)		96 L/m (25.3 gpm)		
System Relief Pressure	18 961 kPa (2,750 psi)		18 961 kPa (2,750 psi)		
Bucket Dump at Maximum Height	2.6 sec.		2.4 sec.		
Boom Lower (power down)	3.7 sec.		3.4 sec.		
Controls					
Hitch	4-lever, single tilt cylinde	er; 5-lever dual tilt (include	s auxiliary) optional		
Loader	Single-lever loader/bucket control with electric clutch cutoff switch; separate-lever loader auxiliary fu optional; single-lever loader/auxiliary with metered roller switch for auxiliary optional				
Electrical	, , ,	,			
Voltage	12 volt		12 volt		
Alternator Rating	90 amp with canopy / 12	0 amp with cab	120 amp with canopy / 150 amp with cab		
Lights		ts; 2 front amber and 2 rea	dlepower each); turn signals and flashers, 2 front and reflectors; premium 6-LED-lighting option for canopy:		
Operator Station	210L EP / 210L				
Type (SAE J1040)	Canopy, solid mounted, ROPS/FOPS left access, with 2-post ROPS and steel roof; optional cab, isolation mounted, ROPS/FOPS left access, with molded roof and standard HVAC				
Seat Rotation	Standard	Optional			
Left	10 deg. 20 deg.				
Right	40 deg.	50 deg.			
Tires/Wheels	3				
	Front	Rear			
With MFWD	12-16.5, 8 PR	16.9-24, 8 PR, R4			
Serviceability	210L EP		210L		
Refill Capacities					
Cooling System	35 L (37 qt.)		35 L (37 qt.)		
Rear Axle	18 L (19 qt.)		18 L (19 qt.)		
Engine Oil (including vertical spin-on filter)	13 L (13.7 qt.)		13 L (13.7 qt.)		
Torque Converter and Transmission	15.1 L (16 qt.)		15.1 L (16 gt.)		
Fuel Tank (with ground-level fueling)	117.3 L (31 gal.)		117.3 L (31 gal.)		
Diesel Exhaust Fluid (DEF) Tank	_		16.3 L (4.3 gal.)		
Hydraulic System (reservoir plus remainder of system)	71.9 L (19 gal.)		71.9 L (19 gal.)		
Hydraulic Reservoir	45 L (11.9 gal.)		45 L (11.9 gal.)		
MFWD Housing					
Axle	6.5 L (6.9 qt.)		6.5 L (6.9 qt.)		
Planetary (each)	0.9 L (1 qt.)		0.9 L (1 qt.)		
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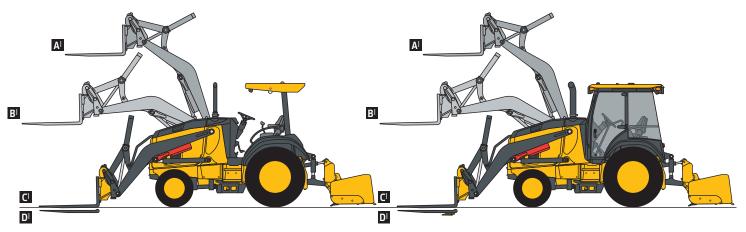
### 210L EP / 210L

Operating Weights	210L EP	210L
With Full Fuel Tank, 79-kg (175 lb.) Operator, and	4794 kg (10,569 lb.)	5137 kg (11,326 lb.)
Standard Equipment	•	•
Typical with Canopy, MFWD, Single Battery, 2x4 Valve, 0.86-m <sup>3</sup> (1.125 cu. yd.) Loader Bucket, 454-kg (1,000 lb.) Wheel Weights, Deluxe Electrical, and 2134-mm (84 in.) Box Blade	6100 kg (13,449 lb.)	6444 kg (14,206 lb.)
Optional Components		
Cab (weight difference between base equipment and option)	227 kg (500 lb.)	227 kg (500 lb.)
Box Blade		
2134-mm (84 in.)	771 kg (1,700 lb.)	771 kg (1,700 lb.)
2235-mm (88 in.)	816 kg (1,800 lb.)	816 kg (1,800 lb.)
Wheel Weights	454 kg (1,000 lb.)	454 kg (1,000 lb.)
Hitch Weights	318 kg (700 lb.) / 681 kg (1,500 lb.)	318 kg (700 lb.) / 681 kg (1,500 lb.)
Front Loader Coupler	286 kg (630 lb.)	286 kg (630 lb.)
Overall Dimensions	210L EP / 210L	
A Ground Clearance, Minimum	262 mm (10.3 in.)	
<b>B</b> Overall Length, Transport (without box blade)	5.31 m (17 ft. 5 in.)	
C Transport Height		
Canopy	2.62 m (8 ft. 7 in.)	
Cab	2.64 m (8 ft. 8 in.)	
D Length from Axle to Axle (MFWD axle)	2.16 m (7 ft. 1 in.)	
E Width Over Tires	2.13 m (7 ft. 0 in.)	E
	210	OL EP/210L with Canopy 210L EP/210L with Ca
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210L EP/210L Tractor Loader with Canopy

210L EP/210L Tractor Loader with Cab

Loader Dimensions and Performance	210L EP / 210L			
F Bucket Dump Angle, Maximum	45 deg.			
G Rollback Angle at Ground Level	40 deg.			
Bucket	Heavy-duty	Multipurpose		
Capacity	0.86 m³ (1.12 cu. yd.)	0.96 m³ (1.25 cu. yd.)		
Width	2184 mm (86 in.)	2184 mm (86 in.)		
Weight	417 kg (918 lb.)	795 kg (1,750 lb.)		
Breakout Force (with wheel weights and box blade)	38.7 kN (8,700 lb.)	32.8 kN (7,369 lb.)		
Lift Capacity, Full Height (with wheel weights and box blade)	2466 kg (5,432 lb.)	2239 kg (4,932 lb.)		
H Height to Bucket Hinge Pin, Maximum	3.34 m (10 ft. 11 in.)	3.34 m (10 ft. 11 in.)		
I Dump Clearance, Bucket at 45 deg.	2.74 m (9 ft. 0 in.)	2.65 m (8 ft. 8 in.)		
J Reach at Full Height, Bucket at 45 deg.	699 mm (27.5 in.)	737 mm (29.0 in.)		
K Digging Depth Below Ground, Bucket Level	107 mm (4.2 in.)	147 mm (5.8 in.)		
L Length from Front Axle Centerline to Bucket	1.97 m (6 ft. 6 in.)	2.09 m (6 ft. 10 in.)		
Cutting Edge				
Lift Capacity with Quick-Coupler Forks	210L EP		210L	
Hydraulic Capacity	1219-mm (48 in.) Tines	1524-mm (60 in.) Tines	1219-mm (48 in.) Tines	1524-mm (60 in.) Tines
A <sup>I</sup> Maximum Height	1400 kg (3,086 lb.)	1297 kg (2,860 lb.)	1695 kg (3,736 lb.)	1561 kg (3,442 lb.)
BI Maximum Reach	2624 kg (5,786 lb.)	2486 kg (5,480 lb.)	2646 kg (5,833 lb.)	2629 kg (5,795 lb.)
C <sup> </sup> At Ground Line	3287 kg (7,247 lb.)	3102 kg (6,839 lb.)	3583 kg (7,900 lb.)	3269 kg (7,207 lb.)
DI Below Ground Line	211 mm (8.3 in.)	211 mm (8.3 in.)	262 mm (10.3 in.)	262 mm (10.3 in.)



210L EP/210L Tractor Loader with Canopy

210L EP/210L Tractor Loader with Cab

## Additional equipment

**Key:** ● Standard ▲ Optional or special

See your John Deere dealer for further information.

OL EP 210L	Engine	210L EP	210L	Loader (continued)	210L EP	210L	Operator's Station (continued)
• •	Vertical spin-on engine oil filter	•	•	Palm-on-top loader control; single-button	•	•	Left front access
• •	Vertical spin-on fuel filter with water separator	<b>A</b>	<b>A</b>	clutch disconnect Palm-on-top loader control; 3-function	•	•	Slip-resistant steps and ergonomically located handholds
•	Coolant recovery tank Coolant recovery tank with low-level indicator			fingertip control (clutch disconnect, MFWD, and proportional auxiliary roller)	•	•	Built-in Operator's Manual storage compartment with manual
	Serpentine belt with automatic belt tensioner	<b>A</b>	<b>A</b>	Ride control		•	Interior rearview mirror
•	Oil-to-water engine oil cooler			Hydraulic System	•	•	Foot throttle
•	Antifreeze, –37 deg. C (–34 deg. F)	•		78-L/m (20.5 gpm) rated flow	<b>A</b>	<b>A</b>	Hand throttle
•	Dual-element dry-type air cleaner		•	96-L/m (25.3 gpm) rated flow	•	•	Horn
•	Enclosed safety fan guard	•	•	Independent hydraulic reservoir		•	Key start switch with electric fuel shutof
•	Fold-out, hinged cooling system	•	•	Independent hydraulic oil cooler	•	•	Suspension vinyl seat, 50-deg. (10 left,
•	Suction-type cooling fan	•	•	"O"-ring face-seal connectors			40 right) rotating with flip-up armrests,
•	Electronically controlled, variable-rate	•	•	6-micron vertical spin-on filter			backrest angle adjustment, swivel base, and 76-mm (3 in.) retractable seat belt
	suction-type cooling fan	_	_	Electrical			Non-suspension vinyl seat, 50-deg. (10 l
<b>A</b>	Viscous variable-rate cooling fan	•	•	12-volt system			40 right) rotating with flip-up armrests
• •	High ambient temperature engine cooling	•		90-amp alternator (canopy)			76-mm (3 in.) retractable seat belt
• •	Muffler, under hood with curved-end	•		120-amp alternator (cab)	<b>A</b>		Suspension cloth fabric seat, 50-deg.
_	exhaust stack			120-amp alternator (canopy)			(10 left, 40 right) rotating with flip-up
	Self-cleaning exhaust aftertreatment system			150-amp alternator (cab)			armrests, backrest angle adjustment, swivel base, and 76-mm (3 in.) retractab
<b>A</b>	Ether starting aid Grid heat		•	Single battery with 190-min. reserve capacity and 925 CCA			seat belt (for use with optional cab)
	Electric engine coolant heater, 1,000 watts	•	•	Dual batteries with 380-min. reserve		<b>A</b>	Enhanced mechanical suspension seat,
	Electronic fuel lift pump			capacity and 1,850 CCA			70-deg. (20 left, 50 right) rotating with
	Powertrain	•	•	Positive terminal battery cover			flip-up armrests and tilt steering
	PowerShift™ transmission: Torque converter	•		Blade-type multi-fused circuits			Loader Buckets
	with twist-grip Transmission Control Lever	•	•	By-pass start safety cover on starter	•	•	Less bucket, with bucket pins
	(TCL) and neutral safety switch interlock	<b>A</b>	<b>A</b>	Battery disconnect	<b>A</b>	<b>A</b>	Less bucket, less pins General-purpose bucket with cutting ed
	(1st through 4th gears)			Lights			and skid plates
	Transmission oil cooler	•	•	For cab and canopy: Front driving/work- ing halogen (2) / Turn signal/flashing lights		<b>A</b>	Heavy-duty bucket
	Vertical spin-on transmission filter Differential lock, electric foot actuated			(2) / Rear stop and taillights (2) / Rear reflectors (2)	<b>A</b>	<b>A</b>	Multipurpose bucket with cutting edge skid plates
•	Power-assisted hydraulic service brakes	<b>A</b>		Deluxe electrical package for canopy: Front			Loader coupler
	(conform to ISO 3450): Inboard, wet multi- disc, self-adjusting and self-equalizing	_	_	work lights (2), rear work lights (2), 12-volt			Box Blade
	Parking/emergency brake with electric			outlets (2), and battery-disconnect switch	<b>A</b>		2.13-m (84 in.) heavy-duty with hydrau
	switch control (conforms to ISO 3450): Spring applied, hydraulically released wet	<b>A</b>	•	Premium LED lighting package for canopy: Front work lights (2), rear work lights (2),			cally actuated ripper bar and replaceabl router bits
	multi-disc / Independent of service brakes Mechanical-front-wheel drive (MFWD),			side work lights (2), 12-volt outlets (2), and battery-disconnect switch	•	<b>A</b>	2.20-m (88 in.) heavy-duty with hydrau cally actuated ripper bar and replaceable
	standard differential, sealed axle			Operator's Station			router bits
<b>A A</b>	MFWD, limited slip, sealed axle	•	•	Canopy: 2-post, ROPS/FOPS (Level 1 /			Overall Vehicle
A A	Transmission guard			meets ISO 3471/SAE J1040), steel roof  Cab: ROPS/FOPS (Level 1 / meets ISO	•	•	1-piece unitized construction mainfram
<b>A</b>	MFWD driveshaft guard	•	•	3471/SAE J1040), air conditioning (7.6-kW	•	•	Vehicle tie-downs (2 front and 2 rear)
	Category II 3-Point Hitch			[26,000 Btu/h] output and CFC-free R-134a	•		Vandal protection for instrument panel access doors, fuel tank, and hydraulic
•	Integral Category II  4th-function sectional hydraulic valve,			refrigerant), headliner, dome light, tinted safety glass, deluxe interior trim, molded			reservoir
	4th-function sectional nydraulic valve, 4th-function auxiliary with capped hoses			floor mats, left cab door, right emergency	•	•	Reverse warning alarm
<b>A</b>	5th-function hitch valve with control lever, dual-tilt cylinder			egress, front windshield wiper, front wind- shield washer, heater/defroster/pressurizer	<b>A</b>	<b>A</b>	Rear-hitch counterweight (318 kg [700 and 681 kg [1,500 lb.])
	Loader			(11.7-kW [40,000 Btu/h] heater), 12-volt	<b>A</b>	<b>A</b>	Wheel weights
•	Hydraulic self-leveling			outlets (2), rear working lights (2), and 50-deg. (10 left, 40 right) rotating mechan-		<b>A</b>	Hydromechanical power takeoff (PTO), 41 kW (55 hp), 540 rpm
•	Return-to-dig feature			ical-suspension cloth seat		<b>A</b>	3-point hitch weight box
•	Bucket-level indicator	•	•	Electric monitor system with audible and/	Ā	_	Drawbar, fixed single position
•	Loader boom service lock	-		or visual warning: Service code / Air cleaner		<u> </u>	Machine security
<b>A</b>	Auxiliary loader hydraulics (3rd-function			restriction / Low alternator voltage / Engine		_	Tilt steering
	valve) with 2-lever control			coolant temperature / Engine oil pressure / Hydraulic filter restriction / Park brake on/	<u> </u>	_	French language kit
<b>A A</b>	Auxiliary loader hydraulics with single control lever with electrohydraulic auxiliary			off / Seat belt / Transmission oil temperature /	<u> </u>	_	Spanish language kit
	control (MFWD and clutch disconnect)			Hour meter / Engine rpm / System voltage /	•	•	JDLink™ Ultimate wireless communicati
<b>A A</b>	Tractor built with no loader arms for use in confined areas	•	•	Job timer / Machine information Engine coolant temperature gauge and			system (available in specific countries; s your dealer for details)
	commica areas			fuel gauge	†Compat	ible wit	

