

Wagner Logstackers



**Purpose-Built
Log Handlers**

wagner
A Division of Allied Systems Company



MADE IN USA

Wagner Logstackers...Purpose Built

When you invest in a Wagner Logstacker, you receive the safest, most productive, longest lasting log handling machine available.

Made in the USA

Wagner Logstackers have been manufactured in the Portland, Oregon area for more than 50 years. Machines greater than 30 years old are still operating as front-line production machines. In log yards from the tropics to the tundra, these machines are testimony to Wagner's high quality and durability.

Unmatched Capabilities

No other log handler on the market can match the Wagner Logstacker's capacity, productivity or safety. The carriage provides unparalleled control of the load, minimizing damage. The high lift of the Wagner Logstacker, along with the kickoff arms, maximize the decking height and reduce the required space for log storage.

Durable and Reliable – Designed for Long Life

Wheel loader booms, linkages, cylinders and counterweights must be modified for log handling. Such extensive changes stress the machine, leading to increased maintenance, shortened machine life, and increased safety concerns. In contrast, Wagner Logstackers are purpose-built, with capacity options to handle all log handling applications. Proven designs and correctly sized components make the Wagner Logstacker a more reliable machine for log handling. Using the right machine for the job results in longer component life and longer intervals between rebuilds.

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The Wagner L60 & L460: Recent industry developments mean Wagner's customers require smaller, more agile machinery to handle cut-to-length log loads. As a result, Wagner has developed two compact, high lift, large capacity log stacking machines that outperform competitors in the three key areas of safety, productivity and total cost of ownership. The Wagner L60 and L460 machines truly are a revolution in log handling.

Productivity – Mission Accomplished

Productivity is a combination of capacity and speed. Wagner Logstackers excel in both and are available in a wide range of capacities for all log handling applications. Components are sized to ensure productivity.

Heavy Lift

- Wagner Logstacker capacities span from 60,000 lbs. to 160,000 lbs.
- From log yards where speed and maneuverability are important, to large mills in remote locations unloading rail car loads, there is a model of Wagner Logstacker well suited for the job.

Speed

- Each Wagner Logstacker model includes engine, drivetrain, and hydraulic components designed to minimize cycle times.
- Two-wheel drive units are ideal for well maintained or paved log yards.
- Selectable four-wheel drive models ensure traction when you need it and can operate in two-wheel drive mode when traction conditions improve, reducing tire wear and fuel consumption.
- Power-beyond hydraulics combine pump flows to ensure all on-board hydraulic capacity is available when needed.



Carriage – Control of the Load

The Wagner Logstacker log carriage, the most durable and productive on the market, is the direct result of over 50 years of design experience, supported by customer feedback. The carriage design increases stacking height, reduces log damage, and increases safety. Wheel loaders lack the hydraulic functions necessary to achieve similar functionality.

Carriage/Head

- Strength and stiffness are hallmarks of the Wagner tubular strongback design, reducing weight and increasing visibility.
- Tines (forks) are pin attached for quick replacement or repair, and follow the ground contour when recovering logs in sorting applications.



Hold-down and Kickoff Arms

- Individually controlled hold-down and kickoff arms are standard on all Wagner Logstacker carriages. Irregular loads are easily handled with these individual controls.
- Hold-down arms close past the tip of the tine, securely clamping any load. Hold-down arms can be placed on the inside or outside of the tines.
- Kickoff arms allow the operator to offload logs from the carriage while the tines are angled up, creating higher decks.
- Auxiliary hold-down arms are the ideal option for securing partial loads, or retrieving bundled loads.

Options

Custom carriages are available. Profile, tine length, and carriage width can all be customized to fit any load. Your Wagner dealer will work with you to ensure you have the correct carriage for your application.



Safety

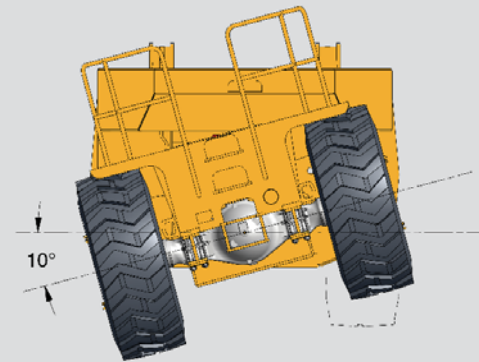
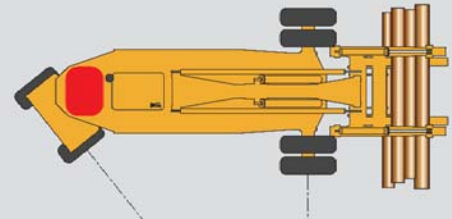
Nothing is more important than operator safety. Hand rails around walkways and tread grip on walking surfaces are standard. Doors on both the left and right of the cab provide two egress routes. Electrical disconnect and hydraulic lockout facilitate lockout/tag-out procedures. A fire suppression system, including engine shut down and electrical disconnect, is standard on every Wagner Logstacker built.

Stability

- Wagner Logstackers remain stable while turning because the counterweight is on the main frame, directly behind the load.
- 4WD Logstackers have rear axles that oscillate 10 degrees each way to follow the terrain, providing necessary traction in soft yards.
- The center of gravity on a wheel loader moves during a turn, creating a rollover risk that de-rates the machine's capacity.

Visibility

- Views of the load, tines, tires and unloading point are excellent with the unique see-through carriage design and optional low profile boom.
- The curved front windshield reduces glare, and structural members are positioned so they do not obstruct views of the load.
- Optional cameras are available for the rear of machine and front of carriage.
- Lights from the cab, carriage and behind the machine ensure safe operation, even at night.
- Optional LED or high intensity discharge lights are available.



Operator Comfort = Productivity

The Wagner Logstacker cab maximizes operator comfort and safety, making it the best available seat on the job site.

Environment

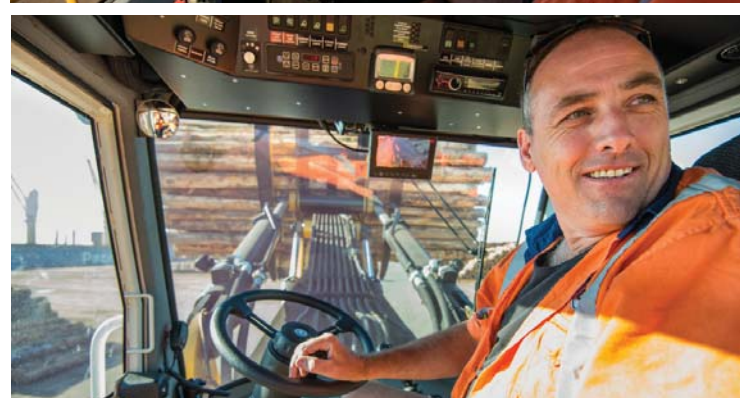
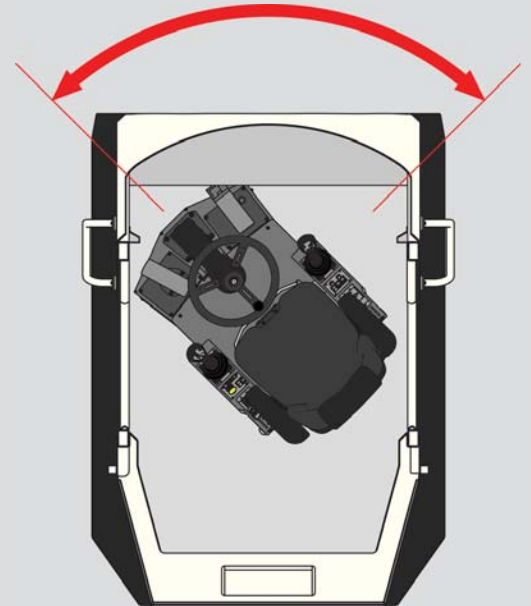
- Wagner Logstacker cabs include dual air conditioner units, for consistent and comfortable air temperature throughout the cab.
- The pressurizer and fresh air filter reduce dirt and dust entering the cab.
- Elastomeric isolation dampeners reduce noise and vibration, reducing operator fatigue.

Ergonomics

- All functions are controlled from seat-mounted joysticks.
- Steering is possible from either the column-mounted steering wheel or optional joystick controls.
- The heavy-duty seat is air suspended for maximum operator comfort and durability.
- The window layout maximizes visibility and provides nearly 360 degree unobstructed visibility.

Rotating Operator Platform

- The entire seat assembly, steering column, foot pedals, and controls, can be mounted to our optional 90 degree rotating pedestal.
- The rotating platform minimizes operator fatigue, reduces risk of back injuries, and improves safety when traveling in reverse because it keeps the operator firmly in the seat against the back rest.
- The operator's spine remains in line with hips to help avoid back injury.



Visibility. The flat boom design and see-through carriage ensure maximum visibility of the load, forks, tires, and log deck.

Operator's Compartment positions the operator up high on the machine, and provides superior visibility and comfort, in an ergonomically designed working environment.

Serviceability. Frequent service items are conveniently located, to minimize service times, and keep your machine working.

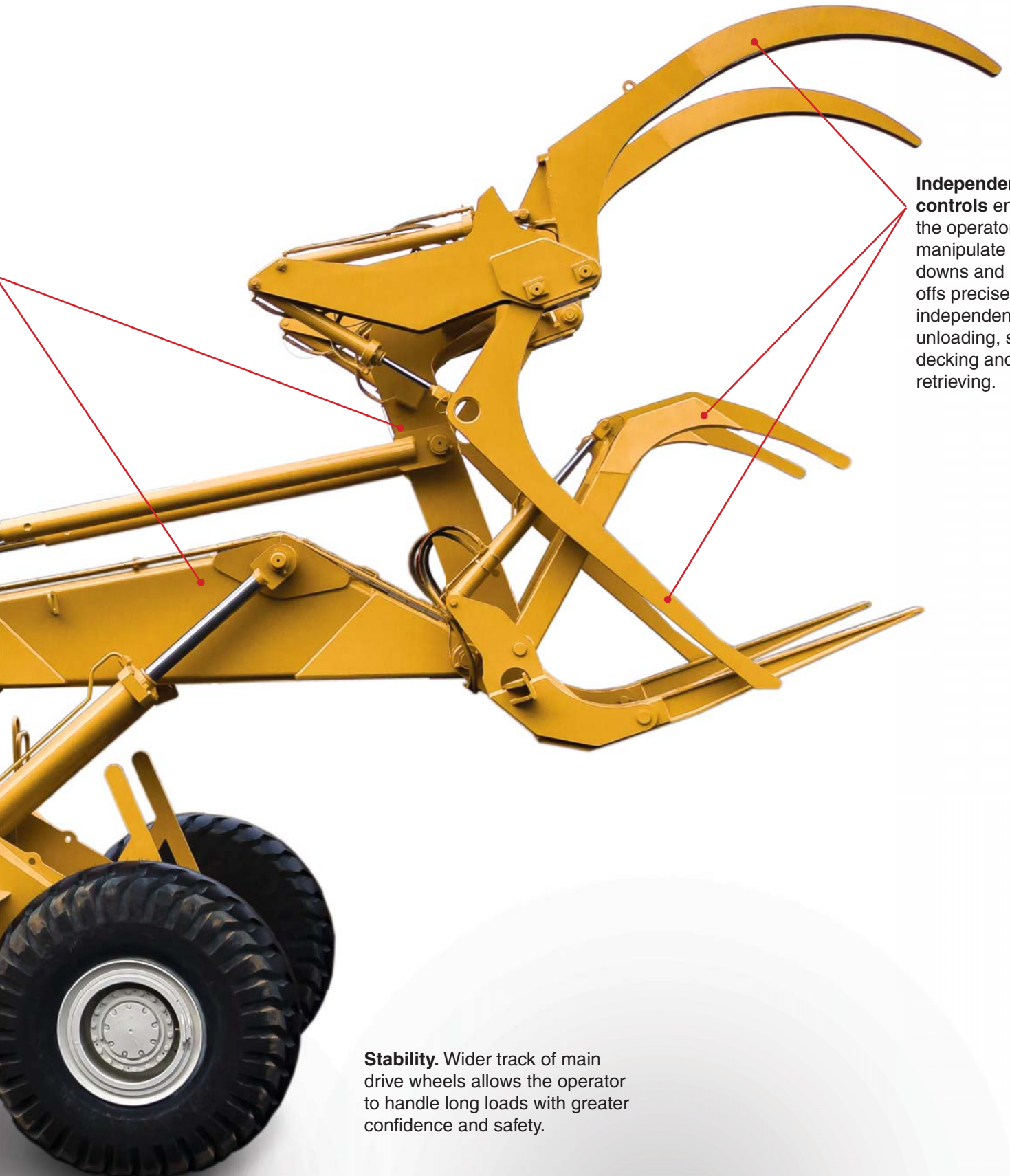
Fire Suppression System as Standard Equipment.

Distribution nozzles are located throughout the engine and transmission compartment. Actuation from cab or ground level disperses retardant, shuts down engine and disconnects the batteries.

Tricycle Design allows a shorter turning radius and no scrubbing of the tires.

Long Wheelbase provides greater stability, and allows a small counterweight, which keeps machine weight down.





Independent controls enable the operator to manipulate hold-downs and kick-offs precisely and independently for unloading, sorting, decking and retrieving.

Stability. Wider track of main drive wheels allows the operator to handle long loads with greater confidence and safety.

Operating Costs – As Low as You Can Go...

Total Cost of Ownership - The lowest total cost of ownership of any log handler.

- The Wagner Logstacker lasts longer, has twice the tire life, and burns less than half the fuel of a comparably sized wheel loader.

Fuel Consumption – Do More with Less

- The Wagner Logstacker's longer wheel base requires less counterweight, reducing overall vehicle weight. Less weight means less on-board horsepower is required, and less fuel is consumed.
- The Wagner Logstacker two-wheel drive drivetrain with tricycle steering significantly reduces scrubbing of the tires when turning and any additional gear loss from the rear axle. This also results in longer tire life, and reduced damage to the log yard.
- Four-wheel drive models have rear axles that can be manually or automatically disengaged based on ground conditions. The result is increased drivetrain efficiency and fuel economy.

Efficiency - Cycle times are reduced when operators can do their job efficiently.

- The optional rotating operator's platform allows the machine to be easily driven in reverse, reducing turns and cycle times.
- Quick shuttle shifting between forward and reverse is achieved with the modulated power shift transmission.

Keeping Cool - Removing heat and keeping components cool is critical.

- Wagner Logstackers use variable speed fans for engine, transmission, and hydraulic oil cooling to ensure optimal operating temperatures and vehicle efficiency.
- The result is greater machine availability and reduced maintenance and repair costs.

Options to Lower Operating Costs:

- Dual front wheels keep ground pressures low and reduce log yard damage.
- Auto lube reduces scheduled maintenance times.
- Load Dampening System allows for higher travel speeds and lower operator fatigue.
- Optional cameras mounted to the rear of machine and carriage improve operator visibility and safety.



Product Support

Serviceability – Down time is minimized with longer service intervals and easy access to service points.

- Central lubrication points, easily accessed at ground level, make lubricating all pins, even remote pins on the carriage, safe and quick.
- Filters are centrally located.
- Pressure test ports simplify troubleshooting and hydraulic adjustments.
- Components are conveniently located to facilitate removal, disassembly and repair.

Parts Support

- Allied Wagner dealers stock critical components to minimize downtime.
- Rebuild and component exchange programs are also available to further reduce lead times and cost.

Technical Support – There When You Need Us

- The Allied Wagner field service team stands ready to support you when damage occurs.
- With solutions engineered to minimize cost and return your machine to work in the shortest time possible, Allied Wagner is there when you need us, 24 hours/day, 365 days/year.

Training

Receive training from Allied Wagner factory personnel, at the location of your choosing:

1. **Your Logyard** - Learn operator and maintenance best practices to make sure you are getting the best return on your investment.
2. **Your Dealer** - Allied Wagner trainers work with you and your dealer, at their facility, to make recommendations for service parts stocking and logistics, and provide up-to-date advanced systems training to ensure proper troubleshooting and quick problem resolution.
3. **Allied Wagner Factory** - Receive detailed and hands-on systems training and troubleshooting instructions in the classroom and on the factory floor.



2WD Wagner Logstacker Models



L60 New Model

Recommended Work Load	lbs (kg)	60,000 (27,216)
Static Tipping Load	lbs (kg)	75,000 (34,019)
Max Lift Height	ft (mm)	20'2" (6,147)
Max Horsepower	hp (kW)	400 (298) at 2,100 rpm
Operating Weight	lbs (kg)	115,000 (52,163)



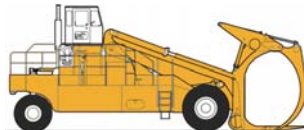
L80

Recommended Work Load	lbs (kg)	80,000 (36,287)
Static Tipping Load	lbs (kg)	96,000 (43,545)
Max Lift Height	ft (mm)	18'0" (5,486)
Max Horsepower	hp (kW)	400 (298) at 2,100 rpm
Operating Weight	lbs (kg)	137,000 (62,142)



L90

Recommended Work Load	lbs (kg)	90,000 (40,823)
Static Tipping Load	lbs (kg)	107,000 (48,534)
Max Lift Height	ft (mm)	19'0" (5,791)
Max Horsepower	hp (kW)	400 (298) at 2,100 rpm
Operating Weight	lbs (kg)	146,000 (66,224)



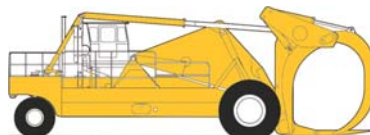
L100

Recommended Work Load	lbs (kg)	100,000 (45,359)
Static Tipping Load	lbs (kg)	114,000 (51,710)
Max Lift Height	ft (mm)	19'0" (5,791)
Max Horsepower	hp (kW)	525 (391) at 2,100 rpm
Operating Weight	lbs (kg)	166,000 (75,296)



L120

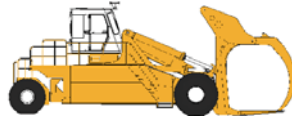
Recommended Work Load	lbs (kg)	120,000 (54,431)
Static Tipping Load	lbs (kg)	140,000 (63,503)
Max Lift Height	ft (mm)	18'0" (5,486)
Max Horsepower	hp (kW)	525 (391) at 2,100 rpm
Operating Weight	lbs (kg)	180,000 (81,647)



L130

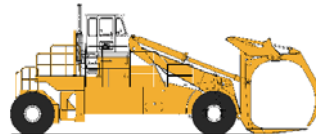
Recommended Work Load	lbs (kg)	130,000 (58,967)
Static Tipping Load	lbs (kg)	153,000 (69,400)
Max Lift Height	ft (mm)	19'2" (5,842)
Max Horsepower	hp (kW)	525 (391) at 2,100 rpm
Operating Weight	lbs (kg)	206,000 (93,440)

4WD Wagner Logstacker Models



L460 New Model

Recommended Work Load	lbs (kg)	60,000 (27,216)
Static Tipping Load	lbs (kg)	75,000 (34,019)
Max Lift Height	ft (mm)	16'0" (4,879)
Max Horsepower	hp (kW)	400 (298) at 2,100 rpm
Operating Weight	lbs (kg)	120,000 (54,431)



L480

Recommended Work Load	lbs (kg)	80,000 (36,287)
Static Tipping Load	lbs (kg)	107,000 (48,534)
Max Lift Height	ft (mm)	18'0" (5,486)
Max Horsepower	hp (kW)	400 (298) at 2,100 rpm
Operating Weight	lbs (kg)	142,000 (64,410)



L490

Recommended Work Load	lbs (kg)	90,000 (40,823)
Static Tipping Load	lbs (kg)	107,000 (48,534)
Max Lift Height	ft (mm)	19' 0" (5,791)
Max Horsepower	hp (kW)	525 (391) at 2,100 rpm
Operating Weight	lbs (kg)	150,000 (68,039)



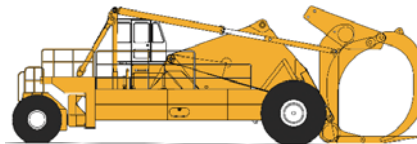
L4100

Recommended Work Load	lbs (kg)	100,000 (45,359)
Static Tipping Load	lbs (kg)	125,000 (56,699)
Max Lift Height	ft (mm)	19'0" (5,791)
Max Horsepower	hp (kW)	525 (391) at 2,100 rpm
Operating Weight	lbs (kg)	160,000 (72,575)



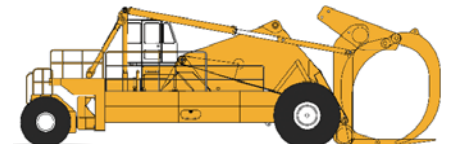
L4120

Recommended Work Load	lbs (kg)	120,000 (54,431)
Static Tipping Load	lbs (kg)	148,000 (67,132)
Max Lift Height	ft (mm)	18'0" (5,486)
Max Horsepower	hp (kW)	530 (395) at 2,100 rpm
Operating Weight	lbs (kg)	178,000 (80,739)



L4130

Recommended Work Load	lbs (kg)	130,000 (58,967)
Static Tipping Load	lbs (kg)	160,000 (72,575)
Max Lift Height	ft (mm)	19'2" (5,842)
Max Horsepower	hp (kW)	525 (391) at 2,100 rpm
Operating Weight	lbs (kg)	220,000 (99,790)



L4160

Recommended Work Load	lbs (kg)	160,000 (72,575)
Static Tipping Load	lbs (kg)	188,000 (85,275)
Max Lift Height	ft (mm)	19'2" (5,842)
Max Horsepower	hp (kW)	630 (470) at 2,100 rpm
Operating Weight	lbs (kg)	240,000 (108,862)

Standard Features and Options

Engine	Standard	Option
Cummins tier III diesel engine	X	
Caterpillar tier III diesel engine		X
Three stage air cleaner (pre-cleaner, primary and secondary filter)	X	
Indicator glass for coolant level	X	
Fuel pre-filter with water trap	X	
Fuel filter	X	
Hand throttle control	X	
Reversible on-demand cooling fans	X	
Engine block heater		X
Fast fill fuel system		X
Delayed shutdown		X
Idle shutdown		X
Engine derate in case of malfunction indication: High engine coolant temperature Low engine oil pressure High charge-air temperature	X	
Engine shutdown in case of malfunction indication: Low engine oil pressure High engine coolant temperature		X

Instruments	Standard	Option
Display module	X	
Warning and indicator lights: Battery charging Parking brake	X	
Warning and display messages: Engine coolant temperature Engine coolant level Charge-air temperature Engine oil temperature Engine oil pressure Transmission oil temperature Transmission oil pressure Hydraulic oil temperature Brake pressure Parking brake applied Parking brake NOT applied	X	
Keypad, background lit	X	
Start interlock when gear is engaged	X	
Instrument cluster: Fuel level Transmission temperature Coolant temperature Tachometer Oil pressure Aux oil pressure (transmission) Volt meter Instrument lighting	X	
Remote Monitoring		X

Carriage	Standard	Option
Independently controlled holddown arms	X	
Single integral holddown arm		X
Independently controlled kickoff arms	X	
Auxiliary holddown arms, high mount		X
Auxiliary holddown arms, low mount		X
Pivoting tines	X	

Drivetrain	Standard	Option
Modulated power shift transmission, four forward, four reverse gears	X	
Two wheel drive	X	
Four wheel drive		X
Bias ply tire construction	X	
Radial tire construction		X
Selectable rear axle disconnect (4WD models only)	X	
Limited slip differential, front axle	X	
Transmission declutch	X	
Torque converter lock-up		X
Speed limiter		X
Secondary emergency steering		X
Wet oil circulation-cooled disc brakes on front axle	X	
Parking brake, spring applied, hydraulically released	X	
Dual brake pedals		X

Cab	Standard	Option
FOPS	X	
360 degree visibility	X	
Training seat		X
Acoustic inner lining	X	
12V power outlet	X	
Lockable doors	X	
Cab heating with fresh air inlet and defroster	X	
Filtered, pressurized fresh air inlet	X	
Automatic climate control	X	
Floor mat	X	
Interior lights	X	
Tinted safety glass	X	
Lap-type seatbelt (SAE J386)	X	
Ergonomic heavy-duty operator's seat with adjustable position and air - suspension	X	
Seat-mounted adjustable operator control consoles	X	
Adjustable steering wheel	X	
Storage compartment / Document pocket	X	
Windshield washer front and rear	X	
Windshield wipers front and rear	X	
Interval function for front and rear wipers	X	
Service platforms with slip protected surfaces	X	
Rotating operator platform	X	
Steering wheel knob	X	
Elastomeric isolator cab mounts	X	
Dual exterior rear-view mirrors		X
Sliding windows		X
Radio with MP3 player	X	
Front-view camera, color		X
Rear-view camera including monitor, color		X
Carriage mounted camera including monitor, color		X
Sun blind, rear window		X
Sun blind, side windows		X
Joystick mounted steering		X
Tilt cab for service		X
Cupholder	X	
Coat Hanger	X	

External Equipment	Standard	Option
Rubber isolated engine and transmission mounts	X	
Lifting eyes	X	
Tie-down eyes	X	

Standard Features and Options

Electrical System	Standard	Option
24V	X	
Alternator 24V / 100A	X	
Battery disconnect switch	X	
Hour meters (engine and chassis)	X	
Electric horn	X	
Lighting: four forward facing and two reverse LED lights	X	
Reverse alarm	X	
High capacity batteries	X	
Warning beacon, rotating		X

Service and Maintenance	Standard	Option
Centralized lubrication points, ground accessible	X	
Automatic lubrication system		X
Spindle nut wrench kit		X
Tool box, lockable	X	
Pressure check connections: transmission and hydraulic, quick-connect	X	
Engine oil remote drain		X

Hydraulic System	Standard	Option
Main valve, double-acting 2-spool with pilot oil controls	X	
Gear pumps (4): Steering, Cooling Hoist and Tilt Hold Down and Kickoff Brake and Pilot	X	
Double-acting hydraulic cylinders	X	
Hydraulic oil cooler	X	
Hydraulic tank heater		X
Low level hydraulic fluid warning		X
Load dampening suspension system		X
Biodegradable hydraulic fluid		X
Fire-resistant hydraulic fluid		X

Support	Standard	Option
500 and 1,000 hour service kits		X
Operator training, service training, and advanced systems training courses		X

Protective Equipment	Standard	Option
Liquid-type fire suppression system (manual activation)	X	
Liquid-type fire suppression system (auto-activation)		X





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