

New Generation 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

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 Advantage

New Generation Logstackers enhance the already proven Wagner design by increasing hydraulic speeds and providing best in class serviceability, operator comfort, and safety.

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 single pass log handling applications.



Reduced Cycle Times

- Load-sense hydraulics provide greater efficiency and generate less heat.
- New Generation Logstackers have twice the hoist speed of previous models.
- Each Wagner Logstacker model includes engine, drivetrain, and hydraulic components designed to minimize cycle times.
- The optional rotating operator's platform allows the machine to be safely and comfortably driven in reverse, improving operator comfort with reduced cycle times.
- A selectable Automatic Transmission offers operators maximum shifting flexibility.





Capacity

- Whether you are receiving cut-to-length (shortwood) loads, tree-length loads, on-highway or off-highway loads, the Wagner Logstacker can handle them all with ease. One machine does it all.
- Wagner Logstacker operating capacities range from 90,000 lbs. to 160,000 pounds (with even higher tipping capacities) and are available in both 2WD and 4WD.
- Capacities are not derated during a lift, or in a turn; rated capacity remains the same through the complete work cycle.
- 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.



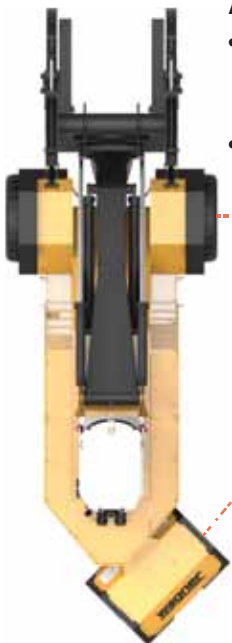
Maneuverability and Stability

Handle the load with confidence, regardless of yard conditions, with a Wagner Logstacker. Wagner 4WD models have a rear oscillating axle and a minimal center of gravity shift that remains directly behind the load making it the most stable, sure-footed log handler available. And Wagner 2WD tricycle design models use tiller arm steering with an excellent turning radius with no center of gravity shift.



Articulation

- Wagner 4WD models are rear-articulated, keeping the center of gravity near the vehicle centerline.
- 2WD models have tailwheel steering.



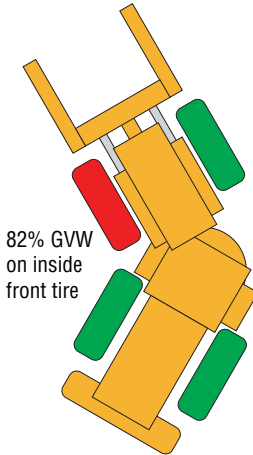
Oscillation

- Wagner 4WD models have a rear axle that oscillates up to 10° in both directions, keeping all four tires in contact with the ground in uneven terrain.

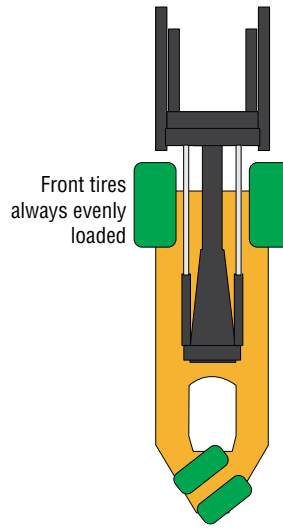


Stability

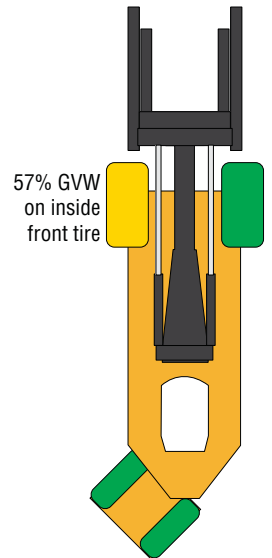
- In a turn, a big wheel loader transfers up to 82% of the GVW to the inside front tire, leading to premature wear of the tires and swivel hinge.
- The front tires on a tricycle design 2WD Wagner are always evenly loaded with no center of gravity shift.
- Loading of the inside front tire is minimized on a 4WD Wagner, since the articulation is at the rear of the machine.



Big Wheel Loader



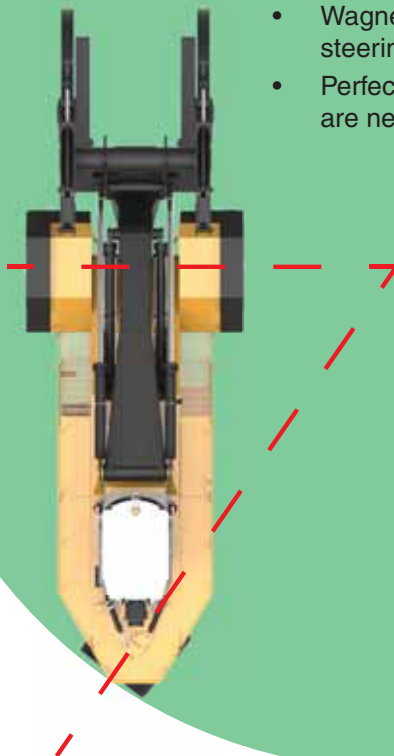
2WD Wagner



4WD Wagner

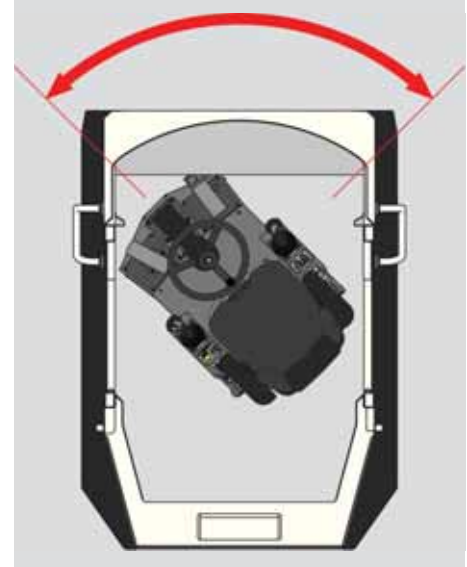
Turning Radius

- Wagner 2WD logstackers with tricycle steering have a minimal turning radius.
- Perfect for smaller yards where tight turns are necessary.



Operator Comfort – The Key to Productivity

The New Generation Wagner Logstacker cab maximizes operator performance.



Ergonomics

- All functions are controlled from seat-mounted electronic joysticks leaving the cab oil free.
- Steering is possible from either the column-mounted steering wheel or optional joystick controls.
- The window layout maximizes visibility and provides nearly 360 degrees of unobstructed visibility.

Environment

- Wagner Logstacker cabs include dual air conditioner units, for consistent and comfortable climate control throughout the cab.
- The cab pressurizer and fresh air filter reduce dirt and dust entering the cab.

Optional Rotating Operator Platform

- The entire seat assembly, steering column, foot pedals, and controls, can be mounted to a 90° 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.

Reduced Operator Fatigue

- Elastomeric isolation dampeners reduce noise and vibration, reducing operator fatigue.
- Electronic cushioning of steering, boom and implements improve durability and operator comfort.





Seat and Suspension

- Our most comfortable seat and suspension combination ensures that your operator remains comfortable and productive.



Wagner Smart Screen

- Includes machine status indicators on an easy to read digital display.
- Extensive diagnostic and troubleshooting capabilities are included.
- Operator selectable options available from the Wagner Smart Screen mounted to the steering column, include:
 - » Engine Start and Stop
 - » Tine Memory
 - » Manual/Automatic Shifting
 - » Declutch
 - » Implement Disable
 - » Hydraulic Speed
 - » Throttle
 - » Auto Level
 - » Load Holding
 - » Regen Initiate / Postpone

Reduced Environmental Impact

Reduce the environmental impact of your operation with a Wagner Logstacker. No other machine can move as many logs as efficiently as a Wagner.

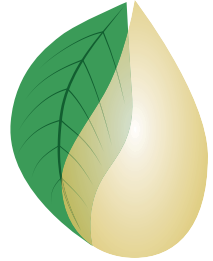
Reduced Ground Pressure

- Optional dual front tires reduce ground pressure, minimizing damage to your yard.



Optional Eco-friendly Hydraulic Oil

- Operate your Wagner in environmentally sensitive areas without concern.
- Mineral based, zinc free oil passes Acute Aquatic Toxicity test.



Leak-Free Hydraulics

- O-ring Face Seal fittings have a leak-free design and rugged construction making them suitable for a wide range of applications.
- All hydraulic cylinders now use PolyPak seals, to provide improved sealing.



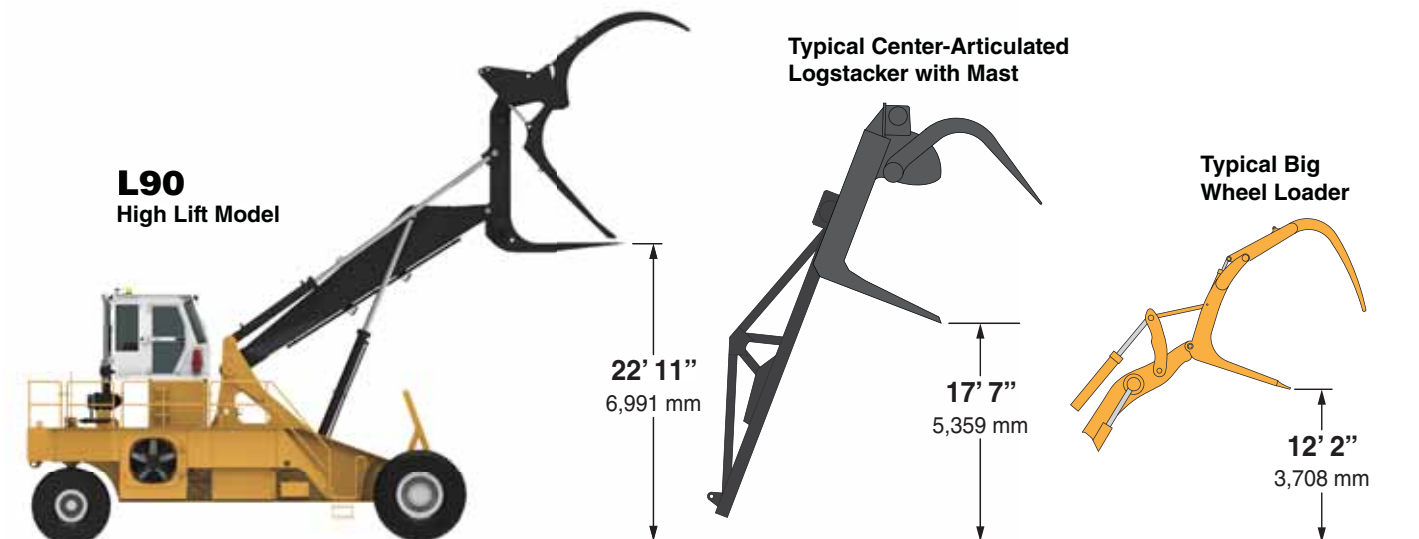
Carriage – Control of the Load



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.

Hold-down and Kickoff Arms

- Individually controlled hold-down and kickoff arms are standard on all Wagner Logstacker carriages. Irregular loads are easily handled whether used in tandem or individually.
- 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 (not shown) are the ideal option for securing partial loads, or retrieving bundled loads.



Highest Decking

The Wagner Logstacker log carriage, with its robust kickoff arms, is able to deck higher than any comparable machine, because the carriage doesn't need to be tilted forward to unload the logs. And since the Wagner doesn't derate during a lift, you can lift the full rated load to the top of the lift height, and unload the logs without tilting the carriage forward.



Wrap Around Platform allows the operator to easily access the cab from either side of the Logstacker.



4WD Models have an oscillating rear drive axle so all four tires remain on the ground on uneven terrain.

LED Lights on the tilt cylinders illuminate the staircase, which allows the operator to safely navigate to the cab in low light conditions.

Operators Compartment features best-in-class comfort, while positioning the operator high up on the machine for superior visibility and away from the load for safety.

Visibility. The see-through carriage ensures maximum visibility of the load, forks, and log deck.

2WD Models have a Tricycle Design, which results in an excellent turning radius with no scrubbing of the tires.



Dual Planetary Reduction Axles reduce bending and contact stresses on the gears to improve service life.

Force Cooled Wet Brakes provide superior braking and extended service life.



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

Easy Access Cooling Bays.

The cooling system uses individually replaceable cores for hydraulics, fuel, A/C, transmission, radiator, and CAC, all easily accessible from the cooling bays on the left and right sides of the machine.



Factory-Installed Manually-Activated and Auto Fire Suppression Available.

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.



Ground Level Service Bay

Perform routine maintenance from a standing position in one convenient location (Shown here with optional service bay guard doors).

Stability. A wider track width allows the operator to handle long loads with greater confidence and safety.

Nothing is more important than operator safety. Hand rails around walkways, dual lighted stairways, 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 battery disconnect, is optional on every Wagner Logstacker.



Stairways and Walkways

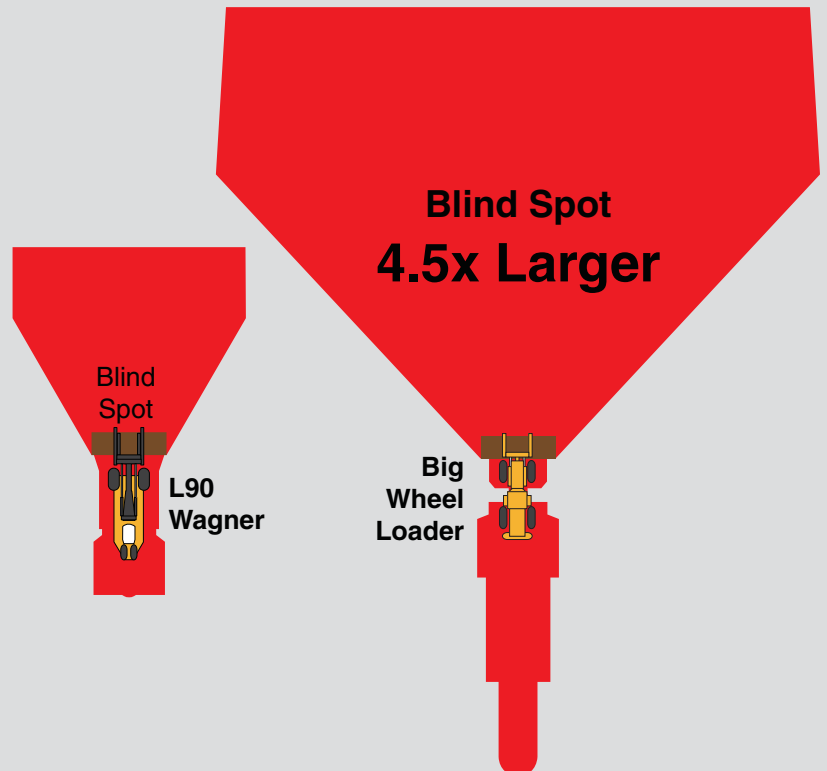
- Lighted stairways provide safety in lowlight conditions when entering or exiting the cab.
- Walkways are unobstructed and provide easy access to and from the cab.
- Stairs and cab doors are located on both sides of the machine, making access convenient.





Visibility

- Increased cab height on a Wagner Logstacker improves the driver's visibility, compared to a wheel loader, which has a blind spot that is 4.5x larger.
- With the cab mounted higher and further back, the operator remains at a safe distance from the load.
- Views of the load, tines, and unloading point are excellent with the unique see-through carriage design.
- 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.
- LED Lights on the front and rear of the cab and on the carriage ensure safe operation, even at night.



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Low Cost of Ownership...



The Wagner Logstacker lasts longer, has three times the tire life, and burns 30% less fuel than a comparably sized wheel loader.

...As Low as You Can Go.

Tire Life

Up to 3x Longer than Wheel Loaders

- The Wagner 2WD Logstacker design with tricycle steering not only provides an excellent turning radius, but also significantly reduces the scrubbing of tires when turning and eliminates any utilization of horsepower to drive a second axle. This also results in longer tire life and reduced damage to the log yard.
- Center-Articulated loaders put over 80% of their Gross Vehicle Weight on the inside front tire in a turn causing premature wear to the tires and center-hinge. Because Wagner 4WD models are Rear-Articulated and tires are sized correctly for the application, the center of gravity shift is greatly reduced promoting longer tire life.



Longevity and Durability

Purchase Fewer Machines over Time

- Wagner Logstackers have always been the most durable log handling machines on the market, with many 30+ year old machines still operating as front line units. The New Generation modular frame improves on the traditional design by separating the fuel and hydraulic tanks and axle housing from the main frame structure, improving overall strength and durability.
- Wagner New Generation Logstackers use variable speed fans for engine, transmission, fuel, and hydraulic oil to ensure optimal operating temperatures. With a 160°F maximum hydraulic oil temperature, systems stay cool and components last longer.
- With Wagner 2WD models, there is no center of gravity shift or articulation hinge to rebuild.



Efficiency and Fuel Economy

Do More with Less

- The Wagner Logstacker design requires less counterweight, reducing overall vehicle weight. And with a lower operating weight, Wagner Logstackers consume 30% less fuel than Big Wheel Loaders, resulting in hundreds of thousands of dollars in fuel savings over the life of the machine.
- Wagner 4WD models have rear axles that can be easily disengaged when yard conditions improve. The result is longer axle service life and increased fuel economy.



Maintenance

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. Auto-lubrication is available as an option.
- Filters are conveniently located in the ground level service bay.
- Pressure test ports simplify troubleshooting and hydraulic adjustments.
- Remote engine oil drain is located at a comfortable working height.
- Components are conveniently located to facilitate removal, disassembly and repair.



Product Support



Training

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

1. **Your Log Yard** - 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.



Parts Support

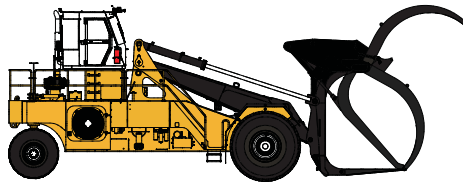
- The Allied Wagner Factory and our dealers stock critical components and common wear items to minimize downtime.
- Rebuild and component exchange programs are also available to further reduce lead times and cost.



Technical Support – There When You Need Us

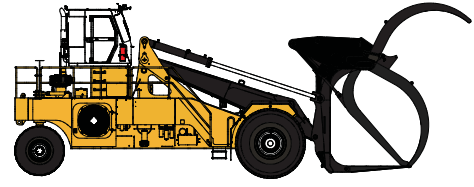
- The Allied Wagner field service team stands ready to support you when assistance is required.
- With solutions engineered to minimize cost and return your machine to work in the shortest time possible, Allied Wagner is there when you need us, 24 hours/day, 365 days/year.

2WD Wagner Logstacker Models



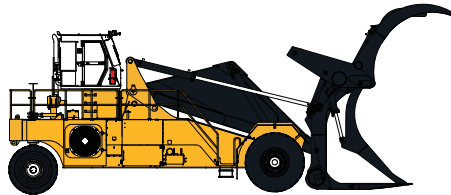
L90

Recommended Rated Capacity lbs (kg)	90,000 (40,823) 80,000 (36,287) <i>High Lift Model</i>
Tipping Capacity lbs (kg)	106,000 (48,080) 93,000 (42,184) <i>High Lift Model</i>
Max Lift Height ft (mm)	19'4" (5,893) 22'11" (6,985) <i>High Lift Model</i>
Max Horsepower hp (kW)	535 (399) at 2,100 rpm
Operating Weight lbs (kg)	144,000 (65,317) 146,000 (66,224) <i>High Lift Model</i>



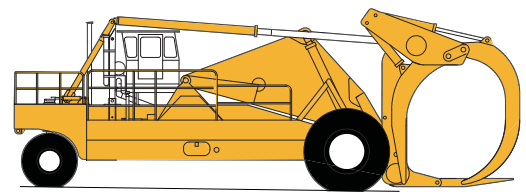
L100

Recommended Rated Capacity lbs (kg)	100,000 (45,359) 90,000 (40,823) <i>High Lift Model</i>
Tipping Capacity lbs (kg)	117,000 (53,070) 102,000 (46,266) <i>High Lift Model</i>
Max Lift Height ft (mm)	19'4" (5,893) 22'11" (6,985) <i>High Lift Model</i>
Max Horsepower hp (kW)	535 (399) at 2,100 rpm
Operating Weight lbs (kg)	153,000 (69,400) 155,000 (70,307) <i>High Lift Model</i>



L120

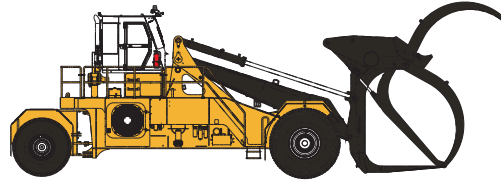
Recommended Rated Capacity lbs (kg)	120,000 (54,431)
Tipping Capacity lbs (kg)	146,000 (66,224)
Max Lift Height ft (mm)	20'2" (6,147)
Max Horsepower hp (kW)	525 (391) at 2,100 rpm
Operating Weight lbs (kg)	183,000 (83,007)



L130

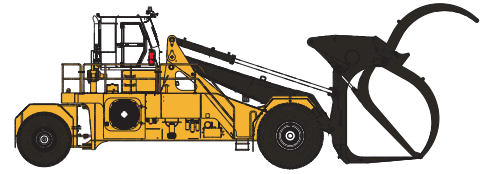
Recommended Rated Capacity lbs (kg)	130,000 (58,967)
Tipping Capacity lbs (kg)	153,000 (69,400)
Max Lift Height ft (mm)	19'2" (5,842)
Max Horsepower hp (kW)	525 (391) at 2,100 rpm
Operating Weight lbs (kg)	206,000 (93,440)

4WD Wagner Logstacker Models



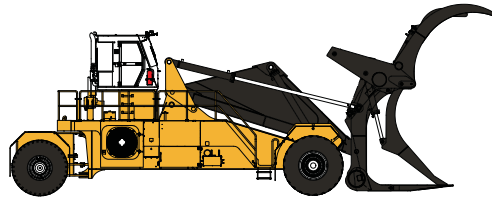
L490

Recommended Rated Capacity lbs (kg)	90,000 (40,823) 80,000 (36,287) <i>High Lift Model</i>
Tipping Capacity lbs (kg)	107,000 (48,534) 93,000 (42,184) <i>High Lift Model</i>
Max Lift Height ft (mm)	19'4" (5,893) 22'11" (6,985) <i>High Lift Model</i>
Max Horsepower hp (kW)	535 (399) at 2,100 rpm
Operating Weight lbs (kg)	138,000 (62,596) 140,000 (63,503) <i>High Lift Model</i>



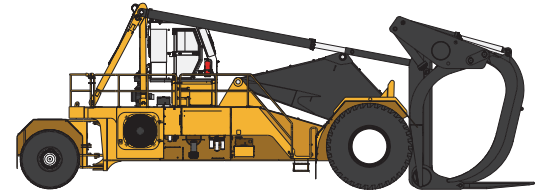
L4100

Recommended Rated Capacity lbs (kg)	100,000 (45,359) 90,000 (40,823) <i>High Lift Model</i>
Tipping Capacity lbs (kg)	121,000 (54,884) 106,000 (48,080) <i>High Lift Model</i>
Max Lift Height ft (mm)	19'4" (5,893) 22'11" (6,985) <i>High Lift Model</i>
Max Horsepower hp (kW)	535 (399) at 2,100 rpm
Operating Weight lbs (kg)	148,000 (67,132) 150,000 (68,039) <i>High Lift Model</i>



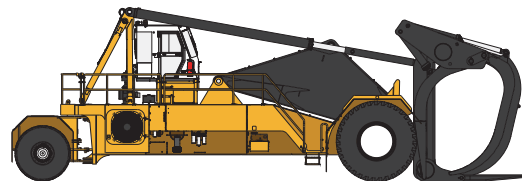
L4120

Recommended Rated Capacity lbs (kg)	120,000 (54,431)
Tipping Capacity lbs (kg)	153,000 (69,400)
Max Lift Height ft (mm)	20'2" (6,147)
Max Horsepower hp (kW)	535 (399) at 2,100 rpm
Operating Weight lbs (kg)	187,000 (84,821)



L4130

Recommended Rated Capacity lbs (kg)	130,000 (58,967)
Tipping Capacity lbs (kg)	160,000 (72,575)
Max Lift Height ft (mm)	19'2" (5,842)
Max Horsepower hp (kW)	535 (399) at 2,100 rpm
Operating Weight lbs (kg)	220,000 (99,790)



L4160

Recommended Rated Capacity lbs (kg)	160,000 (72,575)
Tipping Capacity lbs (kg)	188,000 (85,275)
Max Lift Height ft (mm)	19'2" (5,842)
Max Horsepower hp (kW)	535 (399) at 2,100 rpm
Operating Weight lbs (kg)	240,000 (108,862)

Standard Features and Options

Engine	Standard	Option
Cummins tier IV final diesel engine	X	
Caterpillar tier IV final diesel engine		X
Cold weather starting aid		X
Three stage air filtration (pre-cleaner, primary and secondary filter)	X	
Indicator glass for coolant level	X	
Fuel/Water Separator	X	
Fuel filter	X	
Reversible on-demand cooling fans	X	
Engine block heater		X
Delayed shutdown		X
Idle shutdown		X
Engine derate in case of malfunction: High engine coolant temperature Low engine oil pressure High charge-air temperature	X	
Engine Brake (must also order torque converter lockup option)		X
Engine Shutdown in case of malfunction Low engine oil pressure High engine coolant temperature		X

Drivetrain	Standard	Option
Bias ply tires	X	
Radial tires		X
Dual brake pedals (for declutch)		X
Single front tires (L90, L490)	X	
Dual front tires (L90, L490)		X
Dual front tires (L100, L4100, L120, L4120, L130, L4130, L4160)	X	
Force cooled wet-disc brakes on front axle	X	
Four wheel drive		X
Modulated selectable automatic power shift transmission, four gears, forward and reverse	X	
Parking brake, spring applied, hydraulically released	X	
Rubber isolated engine and transmission mounts	X	
Secondary emergency steering		X
Selectable rear axle disconnect (4WD models only)	X	
Speed limiter		X
Torque converter lock-up (available with Engine Brake Option)		X
Transmission declutch	X	
Two wheel drive	X	

Instruments	Standard	Option
Wagner Smart Screen, includes: 4WD Button (4WD Models Only) Auto Level Declutch Declutch Indicator Engine Coolant Temperature Engine Load Engine Oil Pressure Gauge Engine Push Start and Stop Button Load Weight Fuel Efficiency Fuel Level Gauge Hydraulic Oil temperature Gauge Implement Lock Low Brake Pressure Indicator Low Lube Indicator Manual/Automatic Shifting Parking Brake Button Regen Initiate / Regen Inhibit Speedometer Tachometer Throttle Tine Memory Transmission Direction and Gear Transmission Oil temperature and Pressure Gauge Voltmeter	X	
Neutral Start	X	
Remote Monitoring		X
Hour Meter	X	

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

Standard Features and Options

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	

Electrical System	Standard	Option
24V	X	
Alternator 24V / 100A	X	
Battery disconnect switch	X	
Electric horn	X	
LED Lights (Two Forward Cab Mounted, Two Forward Carriage Mounted, 2 Rear Cab Mounted)	X	
Light Bar with 4 Additional Front LED Lights		X
Reverse alarm	X	
High capacity batteries	X	
Warning beacon, strobe		X

Service and Maintenance	Standard	Option
Centralized lubrication points, ground accessible	X	
Automatic lubrication system		X
Lighted stairways	X	
Lighted ground level service bay	X	
Spindle nut wrench kit		X
Pressure check connections: transmission and hydraulic, quick-connect	X	
Engine oil remote drain and hose - part of ground level service bay	X	

Protective Equipment	Standard	Option
Liquid-type fire suppression system (manual activation)		X
Service bay guard doors		X
DEF tank guard		X
Cooler Door Guards		X
Front Window Guard		X
Log Guards (Chassis)		X
Service platforms with slip protected surfaces	X	
Liquid-type fire suppression system (auto-activation)		X

Hydraulic System	Standard	Option
Hoist Valve - Electric Joystick controlled	X	
Implement Valve - Electric Joystick controlled	X	
Hydraulic pumps:		
Tandem LH/RH Fan Drive Gear Pump		
Tandem Converter Charge/Brake Cooling Gear Pump	X	
Implement Piston Pump		
Steering Piston Pump		
Double-acting hydraulic cylinders	X	
High pressure hydraulic filter		X
Hydraulic oil cooler	X	
Hydraulic tank heater		X
Low level hydraulic fluid warning		X
Load dampening		X
Eco-friendly hydraulic fluid		X
Fire-resistant hydraulic fluid		X

External Equipment	Standard	Option
Lifting eyes	X	

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





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