

Carrydozer

Wagner Coaldozers



Purpose built
Coaldozers.

wagner
A Division of Allied Systems Company

 **MADE IN USA**

Expect faster cycles with Wagner's special combination of a balanced powertrain, high horsepower-to-weight ratio, and four wheel drive. Carrydoze up to 40 cubic yards in a single pass.

Doze Right

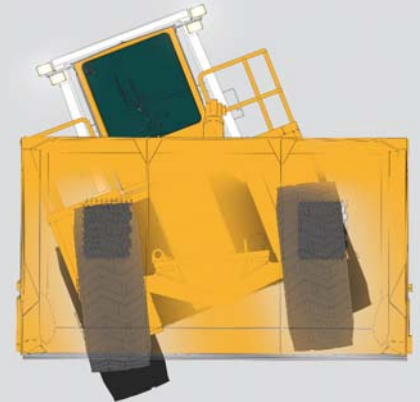
The dual-oscillating front load frame standard on Wagner Coaldozers improves both control and comfort.

- The bucket's cutting edge position is controlled by front axle position and up to 12-degree bucket side tilt.
- Bucket position is maintained on rough and uneven surfaces.

The rear frame moves independently from the front load frame, which is mounted to a 30-degree oscillation joint just in front of the articulation joint. This keeps the cutting edge level as the rear tires travel over berms and uneven ground.

True Side Tilt

Wagner's exclusive dual-oscillating load frame design allows maximum side tilt control because it rotates six degrees in either direction from the centerline. true side tilt provides better control and more intuitive operation compared to conventional wheel and track dozers, which must use a combination of hoist and tilt functions to position the bucket correctly.



Smooth and Fast Dumping

Dedicated pumps for each hydraulic function ensure full speed during simultaneous hoist and dump operations. Quick, complete load discharge is assured from the clean bucket design. The long bucket lift arms attach close to the front of the bucket, dumping twelve feet ahead of the axle centerline for maximum safety.



Operator Comfort

Wagner cabs minimize fatigue and maximize comfort. A longer wheelbase results in a smoother and easier ride for your operator.

Operator Cab

The ROPS/FOPS certified cab has all-weather insulation and excellent visibility in all directions. Instruments are located for quick observation with warning lights grouped together. All electrical circuits have manual reset circuit breakers on the panel. Also available on all new Wagner Coaldozers:

- Dual air-conditioning/heater units with pressurizer and fresh air filtration provide ample heating and cooling capacity throughout the cabin.
- Heavy duty, air-cushioned, adjustable seat with wide armrests.
- Trainer's seat that folds out of the way when not in use
- Seat-mounted joystick controls
- Seat-mounted joystick steering

Steering

Hydraulic power steering system with fully rotating steering wheel provides precise, responsive steering, and minimizes operator fatigue by reducing static muscle strain.

Cushioned Cylinders

Dump cylinders are cushioned at both ends to eliminate impact at the end of the cylinder stroke, reducing operator fatigue and machine wear.



Wagner Coaldozers have the features you need to stay on top of the pile safely.

Safety

Hand rails and tread grip on all walking surfaces are standard. Stairways are easy to get to. Electrical disconnect and hydraulic lockout facilitate lockout/tag-out procedures. A fire suppression system, including engine shutdown and electrical disconnect, is standard on every Wagner Coaldozer.

Left Hand Brake Pedal with Selectable Declutch

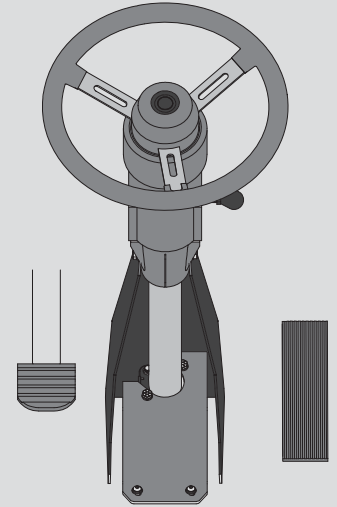
Apply the brakes while maintaining full engine throttle position during the dump cycle for maximum control of hydraulic and travel speeds while dumping. Or, declutch the transmission while braking, providing full engine power to the hydraulics.

Visibility

The lower back and side plates on Wagner Coaldozer buckets provide maximum visibility to the bucket cutting edges and the coal pile. Features include front and rear windshield wipers with an intermittent cycle, long life LED front and rear running lights. Optional rear view camera, high intensity discharge lights, and warning beacon are available.

Maneuverability

40-degree articulated steering in both directions provides maximum maneuverability for dozing on the most demanding pile. No-spin rear and limited-slip front differentials provide maximum traction and dozing force.



Customer Support

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 costs.

Technical Support – There When You Need Us

The Allied Wagner field service team stands ready to support you when you need it. 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 a day, 365 days a year.

Training

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

1. **Facility** - 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.



Serviceability

Wagner Coaldozers over 30 years old are still in operation today, a testimony to the high quality and durability Wagner is known for.

Service is simple, fast and easy with Wagner Coaldozers

Extended service intervals and easy access to service points reduce downtime and maintenance costs. Access central lubrication points from ground level for safe and quick lubrication of all pins. Pressure test ports simplify troubleshooting and hydraulic adjustments. Components and filters are conveniently located to facilitate removal, disassembly and repair.

Tilt-Up Engine Hood

The spring-assisted, counterbalanced hood provides unobstructed access to the entire engine and all hydraulic compartments.

Swing Away Guard and Reversible Fans

A swing-away guard provides quick access to the charge air cooler and radiator. Variable speed, reversible engine cooling fans keep the radiator and charge air cooler clean by blowing out dust.

Keeping Cool

Wagner Coaldozers are designed for near continuous operation. Removing heat and keeping components cool is critical to reducing maintenance costs and increasing time between rebuilds. Wagner Coaldozers use variable speed fans for engine, transmission, and hydraulic oil cooling to ensure optimal operating temperatures, and save fuel by turning only fast enough to maintain the correct fluid temperatures. The result is greater machine availability, reduced maintenance, repair, and operating costs.



Service and Maintenance

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| Grouped lubrication points, ground accessible |
| Wheel nut wrench kit |
| Pressure check connections: transmission and hydraulic, quick-connect |

Engine

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| Three stage air cleaner, pre-cleaner, primary and secondary filter |
| Indicator glass for coolant level |
| Reversible cooling fan |
| Fuel pre-filter with water trap |
| Fuel filter |
| Hand throttle control |
| Fuel fill strainer |

Electrical System

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| 24V |
| Alternator 24V / 100A |
| Battery disconnect switch |
| Fuel gauge |
| Hour meters (engine and chassis) |
| Electric horn |
| Instrument cluster: <ul style="list-style-type: none"> Fuel level Transmission temperature Coolant temperature Tachometer Oil pressure Aux oil pressure (transmission) Volt meter Instrument lighting |
| Lighting: four forward facing and four reverse halogen lights |
| Reverse alarm |
| Battery, high capacity |

Monitor System

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| Display module |
| Warning and indicator lights: <ul style="list-style-type: none"> Battery charging Parking brake |
| Warning and display messages: <ul style="list-style-type: none"> 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 |
| Engine torque reduction in case of malfunction indication: <ul style="list-style-type: none"> High engine coolant temperature Low engine oil pressure High charge-air temperature |
| Engine shutdown to idle in case of malfunction indication: <ul style="list-style-type: none"> Low oil pressure High coolant temperature |
| Keypad, background lit |
| Start interlock when gear is engaged |

Drivetrain

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| Modulated power shift transmission, four forward, four reverse gears |
| No Spin differential, rear axle |
| Limited slip differential, front axle |

Brake System

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| Force cooled oil disc brakes, rear axle |
| Parking brake, spring applied, hydraulically released |

Cab

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| ROPS/FOPS certified structure |
| Acoustic inner lining |
| 12V power outlet |
| Lockable door |
| Cab heating with fresh air inlet and defroster |
| Fresh air inlet with two filters |
| Automatic climate control |
| Floor mat |
| Dual interior lights |
| Tinted safety glass |
| Lap-type seatbelt (SAE J386) |
| Ergonomic heavy-duty operator's seat with adjustable position and air - suspension |
| Seat-mounted adjustable operator control consoles |
| Adjustable steering wheel |
| Storage compartment |
| Document pocket |
| Windshield washer front and rear |
| Windshield wipers front and rear |
| Interval function for front and rear wipers |
| Service platforms with slip protected surfaces |
| Trainers Seat |
| Steering wheel knob |

Hydraulic System

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| Main valve, double-acting 2-spool with electric / pilot oil controls |
| Gear pumps (4): <ul style="list-style-type: none"> Steering, Cooling Hoist and Tilt Dump Brake and Pilot |
| Double-acting hydraulic cylinders |
| Hydraulic oil cooler |

External Equipment

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| Elastomeric isolator cab mounts |
| Rubber isolated engine and transmission mounts |
| Lifting eyes |
| Tie-down eyes |
| Decals, USA |
| Fenders, fixed, rear |

Protective Equipment

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| Liquid-type LVS fire suppression system |
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Options

Service and Maintenance

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| Engine oil remote drain and fill |
| Transmission oil remote drain and fill |
| Tool box, lockable |
| Automatic lubrication system |

Engine

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| Air pre-cleaner |
| Engine block heater, 230V |
| Fast fill fuel system |
| Fuel heater |
| Man max speed, hot climate |
| Idle shutdown |

Electrical System

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| HID or LED work lights in lieu of halogen |
| Anti-theft device |
| Warning beacon, rotating |

Monitor System

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| Monitoring and logging of machine data |
| Remote Monitoring |

Drivetrain

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| Torque converter lock-up |
| Transmission Declutch |
| Speed limiter, 20 km/h |
| Speed limiter, 30 km/h |

Cab

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| Dual exterior rear-view mirrors |
| Sliding window, right side |
| Radio with CD player |
| Rear-view camera including monitor, color |
| Sun blind, rear window |
| Sun blind, side windows |
| Sliding window, door |

Hydraulic System

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|-----------------------------------|
| Low level hydraulic fluid warning |
| Biodegradable hydraulic fluid |
| Fire-resistant hydraulic fluid |

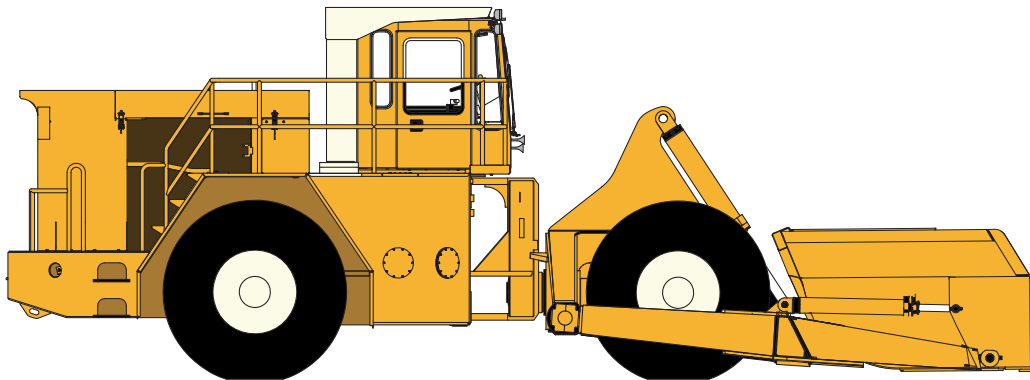
Other Equipment

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|------------------------------|
| Secondary emergency steering |
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Support

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| 500 and 1,000 hour service kits |
| Operator training, service training, and advanced systems training courses |

Coaldozer Models



| | | CD1000 | CD600 |
|---------------------------------------|---------------------|-----------------|-----------------|
| Max horsepower | hp (kw) | 525 (392) | 360 (268) |
| Bucket push and doze capacity | cu/yd (cu/m) | 40 (30.6) | 30 (22.8) |
| Bucket lift and carry capacity | cu/yd (cu/m) | 20 (15.3) | 15 (11.5) |
| Operating weight | lbs (kg) | 92,750 (42,109) | 83,400 (37,800) |

Wagner Dealers

United States

Sun Machinery

Lexington, South Carolina
800.932.2229

Pineville, Louisiana
318.640.8820

Papé Machinery

Fowler, CA 96325
559.834.4774

Yakima, WA 98901
509.248.7910

Montesano, WA 98563
360.249.4114

Kelso, WA 98626
360.575.3266

Newark, CA 94560
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French Camp, CA 95231
209.983.8122

Tacoma, WA 98424
253.922.8718

Mount Vernon, WA 98273
360.424.3291

Sacramento, CA 95833
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Redding, CA 96003
530.241.4555

Gilroy, CA 95020
408.848.4150

Wenatchee, WA 98801
509.664.1265

Eugene, OR 97402
541.463.2900

Sparks, NV 89430
775.353.0440

Rohnert Park, CA 94928
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Tangent, OR 97389
541.812.0207

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Nanaimo, BC
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Williams Lake, BC
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