



814

Wheel Dozer

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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814 Wheel Dozer Specifications

Engine

Engine Model	Cat C7.1	
Emissions	U.S. EPA Tier 4 Final/ EU Stage V	
Rated Speed	2200 rpm	
Net Power (SAE J1349:2011)	186 kW	249 hp
Net Power (ISO 9249:2007)	186 kW	249 hp
Gross Power (SAE J1995:2014)	212 kW	284 hp
Engine Power (ISO 14396:2002)	205 kW	275 hp
Peak Torque (1,400 rpm)	1223 N·m	902 lbf-ft
Torque Rise	52%	

Emissions

**Brazil MAR-1 and China
Nonroad Stage III, equivalent
to U.S. EPA Tier 3/EU
Stage IIIA**

Rated Speed	2200 rpm	
Net Power (SAE J1349:2011)	186 kW	249 hp
Net Power (ISO 9249:2007)	186 kW	249 hp
Gross Power (SAE J1995:2014)	213 kW	286 hp
Engine Power (ISO 14396:2002)	205 kW	275 hp
Peak Torque (1,400 rpm)	1016 N·m	749 lbf-ft
Torque Rise	26%	
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	7.01 L	427.8 in ³
High Idle Speed	2270 rpm	
Low Idle Speed	800 rpm	
Maximum Altitude without Derating	3000 m	9,842.5 ft

*Net power advertised is the power available at the engine flywheel when the engine is equipped with a fan, air cleaner, clean emissions module, and alternator.

Operating Specifications – Wheel Dozer

Operating Weight (Tier 4 Final/Stage V)	22 011 kg	48,526 lb
Operating Weight (Tier 3/Stage IIIA equivalent)	21 721 kg	47,887 lb

Transmission

Transmission Type	Cat planetary powershift	
Forward 1	5.9 km/h	3.7 mph
Forward 2	10.4 km/h	6.5 mph
Forward 3	18.1 km/h	11.2 mph
Forward 4	31.3 km/h	19.4 mph
Reverse 1	6.7 km/h	4.2 mph
Reverse 2	11.8 km/h	7.3 mph
Reverse 3	20.6 km/h	12.8 mph
Reverse 4	35.5 km/h	22.1 mph

Hydraulic System Lift/Tilt – Wheel Dozer

Lift/Tilt System – Circuit	Pilot operated LS valve with EH	
Lift/Tilt System	Variable displacement piston	
Maximum Flow at 2,200 rpm	89 L/min	23.5 gal/min
Relief Valve Setting – Lift/Tilt	22 000 kPa	3,190 psi
Cylinders, Double Acting: Lift, Bore, Stroke	120 mm × 915 mm	4.7 in × 36.0 in
Cylinders, Double Acting: Left and Right Tilt, Bore, Stroke	101.6 mm × 234 mm	4.0 in × 9.2 in
Pilot System	Open center, fixed displacement gear	
Pilot Relief Valve Setting	21 000 kPa	3,046 psi

Hydraulic System – Steering

Steering System – Circuit	Pilot, load sensing	
Steering System – Pump	Variable displacement piston	
Maximum Flow at 2,200 rpm	147 L/min	38.8 gal/min
Relief Valve Setting – Steering	27 600 kPa	4,003 psi
Total Steering Angle	72°	
Steering Cycle Time (high idle)	3.0 seconds	
Steering Cycle Time (low idle)	8.2 seconds	

Service Refill Capacities

Fuel Tank	500 L	132.1 gal
Diesel Exhaust Fluid Tank	16 L	4.2 gal
Cooling Systems – Tier 4 Final/ Stage V	81 L	21.4 gal
Cooling Systems – Tier 3/Stage IIIA equivalent	73 L	19.3 gal
Engine Crankcase	20 L	5.3 gal
Transmission	50 L	13.2 gal
Differentials and Final Drives – Front	65 L	17.2 gal
Differentials and Final Drives – Rear	65 L	17.2 gal
Hydraulic System – Implement/ Steering	129 L	34.1 gal
Hydraulic Tank Only	75 L	19.8 gal
Oil Renewal System (ORS)	N/A	N/A

*All nonroad Tier 4 Final and Stage V diesel engines are required to use:

- Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm for EPA and 10 ppm for EU (mg/kg) sulfur or less. Biodiesel blends up to B20 are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD and when the biodiesel feedstock meets ASTM D7467 specifications.
- Cat DEO-ULS or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specifications are required.
- Diesel Exhaust Fluid (DEF) that meets all requirements defined in ISO 22241-1.

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.9 kg of refrigerant which has a CO₂ equivalent of 2.717 metric tonnes.

Axles

Front	Planetary – fixed
Rear	Planetary – oscillating
Oscillation Angle	±10°

Brakes

Service Brakes	Single Disc Wet (Enclosed) 4 WHL
Parking Brake	Drum and Shoe, Spring Applied, Hydraulic Released

Sound Performance

	Standard	Suppression
Operator Sound Level (ISO 6396:2008)	70 dB(A)	

Tier 4 Final/EU Stage V

Machine Sound Level (ISO 6395:2008)	111 dB(A)	109 dB(A)
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Brazil MAR-1 and China Nonroad Stage III, equivalent to U.S. EPA Tier 3/EU Stage IIIA

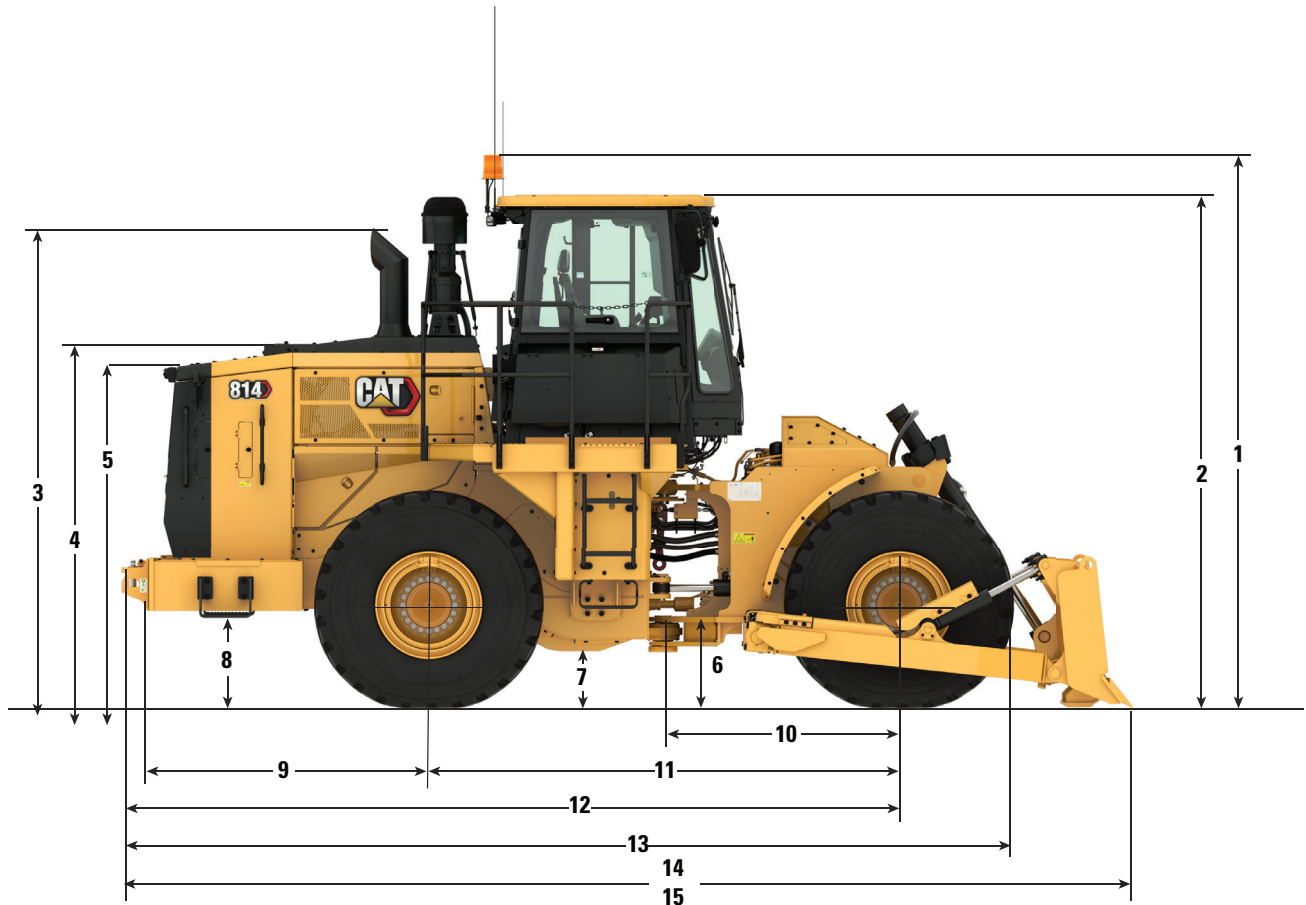
Machine Sound Level (ISO 6395:2008)	112 dB(A)	110 dB(A)
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- The operator sound pressure level was measured according to the test procedures and conditions specified in ISO 6396:2008. The measurement was conducted at the maximum engine cooling fan speed.
- The operator sound pressure level uncertainty is ± 2 dB(A)
- Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.
- The machine sound power level was measured according to the test procedures and conditions specified in ISO 6395:2008. The measurement was conducted at the maximum engine cooling fan speed.

814 Wheel Dozer Specifications

Dimensions

All dimensions are approximate.



1	Height to Top of Beacon	3981 mm	13.1 ft
2	Height to Top of Cab Roof	3694 mm	12.1 ft
3	Height to Top of Exhaust Pipe	3439 mm	11.3 ft
4	Height to Top of Hood	2663 mm	8.7 ft
5	Height to Top of Radiator Guard	2453 mm	8.0 ft
6	Ground Clearance to Hitch	413 mm	1.4 ft
7	Ground Clearance to Transmission Guard	422 mm	1.4 ft
8	Ground Clearance to Bottom of Bumper	712 mm	2.3 ft
9	Center Line of Rear Axle to Bumper	1990 mm	6.5 ft
10	Center Line of Front Axle to Hitch	1675 mm	5.5 ft
11	Wheelbase	3350 mm	11.0 ft
12	Width Over Platform	3145 mm	10.3 ft
13	Overall Length to Front of Tire	6356 mm	21.0 ft
14	Overall Machine Length with Straight Blade	7190 mm	23.6 ft
15	Overall Machine Length with Coal Blade	7784 mm	25.5 ft

814 Wheel Dozer Specifications

Blade Specifications

Blade Type	Capacity	Overall Width	Height	Digging Depth	Ground Clearance	Maximum Tilt	Turning Radius – Outside Corner of Blade	Turning Radius – Inside Corner of Blade	Weight	Total Operating Weight
Straight	2.84 m ³	3656 mm	1001 mm	493 mm	904 mm	802 mm	7166 mm	3550 mm	1396 kg	22 011 kg
	3.72 yd ³	12 ft	3.3 ft	1.6 ft	3.0 ft	2.6 ft	23.5 ft	11.6 ft	3,000 lb	48,526 lb
Coal	10.55 m ³	4321 mm	1470 mm	488 mm	932 mm	945 mm	7647 mm	3420 mm	2062 kg	22 678 kg
	13.8 yd ³	14.2 ft	4.8 ft	1.6 ft	3.1 ft	3.1 ft	25.1 ft	11.2 ft	4,429 lb	49,996 lb

814 Wheel Dozer Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
ELECTRICAL			OPERATOR ENVIRONMENT (CONTINUED)		
Alternator, 150 amp	✓		Vital Information Management System (VIMS™): graphical information display, external data port, customizable operator profiles, event indicator light on rear grill	✓	
Batteries, maintenance-free	✓		Wet-arm wipers/washers (front and rear): intermittent front and rear wipers	✓	
Electrical system, 24V	✓		POWER TRAIN		
Lights, directional (rear)	✓		Advanced Productivity Electronic Control System (APECS)	✓	
Lighting system, (front and rear)	✓		Air-to-air aftercooler	✓	
Lighting system, LED		✓	Brakes, full hydraulic, enclosed, wet single disc service brakes	✓	
Starter, electric	✓		Cat clean emission module (Tier 4 Final/ Stage V only)	✓	
OPERATOR ENVIRONMENT			Electro hydraulic parking brake	✓	
Air conditioner	✓		Electronic Clutch Pressure Control (ECPC)	✓	
Cab, sound-suppressed pressurized	✓		Engine, Cat C7.1 meets Tier 4 Final/ Stage V emission standards	✓	
Cab door, sliding window (LH)	✓		Engine driven cooling fan – suction	✓	
Coat and hard hat hooks	✓		Fuel priming pump (electric)	✓	
Fingertip shifting controls	✓		Fuel-to-air cooler	✓	
Flip-up armrest	✓		Heater, engine coolant, 120V		✓
Heater and defroster	✓		Heater, engine coolant, 240V		✓
Horn, electric	✓		Muffler (under hood) (Tier 3/Stage IIIA equivalent)	✓	
Hydraulic controls – seat mounted	✓		No-spin rear axle		✓
Implement hydraulic lockout	✓		Radiator, unit core	✓	
Instrumentation, gauges: DEF fluid level (Tier 4 Final/Stage V only), engine coolant temperature, fuel level, hydraulic oil temperature, speedometer/tachometer, torque converter temperature	✓		Throttle lock	✓	
Instrumentation, warning indicators: action alert system – three categories, brake oil pressure, electrical system – low voltage, engine failure malfunction alert and action lamp, parking brake status	✓		Transmission, planetary, with 4F/4R speed range control	✓	
Light, cab, dome	✓		SAFETY		
Lunchbox and beverage holders	✓		Alarm, back-up	✓	
Power port for mobile phone or laptop connection (12V)	✓		Lights, warning switched (LED strobe)	✓	
Radio, AM/FM/AUX/USB/Bluetooth®		✓	Camera, rear vision	✓	
Radio ready for entertainment: antenna, speakers, converter (12V, 10-15 amp)	✓		Cat Detect: object detection (ready)	✓	
Seat, Premium plus containing forced air heating and cooling, two-way thigh adjustment, power lumbar and back bolster adjustment, ride stiffness adjustment, dynamic end dampening, and leather finish	✓		Mirror, internal (panoramic)	✓	
Rubber mounted, tinted glass	✓		Mirrors, rearview (externally mounted)	✓	
Sun visor, front	✓		Seat belt with minder, retractable, 76 mm (3 in) wide	✓	
Transmission gear (indicator)	✓		STIC™ control system with lockout	✓	
			Emergency platform egress	✓	

814 Wheel Dozer Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
SERVICE			EFFICIENCY		
Engine precleaner	✓		Steering, load sensing	✓	
Doors, service access (locking)	✓		Torque converter	✓	
Dual engine precleaner		✓	SOUND		
Ecology drains for engine, radiator, transmission, hydraulic tank	✓		Sound suppression		✓
Engine, crankcase, 500 hour interval with CJ-4 oil	✓		OTHER		
Fast fill fuel		✓	Blade (straight)		✓
Fire suppression ready	✓		Counterweight (front)		✓
Ground level lockable master disconnect switch	✓		DEF tank fill gauge	✓	
Starting receptacle for emergency start	✓		Fuel tank, 500 L (132.1 gal)	✓	
Ground level engine shutoff	✓		Guards, crankcase and power train	✓	
Oil change system, high speed	✓		Guard, driveshaft	✓	
Oil sampling valves	✓		Hitch, drawbar with pin	✓	
Total hydraulic filtration system	✓		Hoses, Cat XT™	✓	
COLD WEATHER			Hydraulic, engine, and transmission oil coolers	✓	
Antifreeze, -50° C (-58° F)		✓	Sound suppression (required for Brazil)		✓
Antifreeze, premixed 50% concentration extended life (-34° C/-29° F)	✓		Vandalism protection caplocks	✓	
Starting aid (ether)	✓		Venturi stack	✓	
			OTHER OPTIONAL ARRANGEMENTS		
			Scoop arrangement		✓



Cat[®] 814

Scoops

Features

- Available in wood chip arrangement.
- Cat wood chip scoops have the unique capability of maximizing your production by both dozing and carrying a load with each pass.
- A purpose-built hydraulic system, optimized for use with this work tool, maximizes machine productivity and efficiency.
- Lift cylinder provides hydraulic lift capacity matched to the demands of the application.
- Equipped with automatic reversing fan with manual activation capability for easy cleanout and prevention of wood chip buildup.
- Equipped with pressurized engine compartment to prevent wood chip ingestion through hood openings.
- Extended top guard for increased capacity for wood chip scoops.
- Higher ground pressure decreases risk of fires and maximizes use of storage space.
- Less damage to wood chips due to rubber tires.
- High ground speed provides ability to manage multiple piles.
- Scoop design allows load and carry function for mixing.
- Lift and tip-out design makes stockpiling operations easy.
- Scoop tilt control is standard to maximize worksite efficiency.

Specifications

Engine

Engine Model	Cat C7.1	
Emissions	Meets Tier 4 Final/ Stage V or Brazil MAR-1 and China Nonroad Stage III, equivalent to U.S. EPA Tier 3/EU Stage IIIA emissions	
Gross Power SAE J1995:2014	212 kW	284 hp
Net Power SAE J1349:2011	186 kW	249 hp
Peak Torque @ 1,400 rpm	1223 N•m	902 lbf-ft

Operating Specifications

Chip Scoop Operating Weight	23 714 kg	52,280 lbs
Chip Scoop Carry Capacity	14.5 m ³	19.0 yd ³
Chip Scoop Doze Capacity	29.0 m ³	37.9 yd ³

814 Wheel Dozer Specifications – Scoops

Engine

Engine Model	Cat C7.1	
Emissions	U.S. EPA Tier 4 Final/ EU Stage V	
Rated Speed	2200 rpm	
Net Power (SAE J1349:2011)	186 kW	249 hp
Net Power (ISO 9249:2007)	186 kW	249 hp
Gross Power (SAE J1995:2014)	212 kW	284 hp
Engine Power (ISO 14396:2002)	205 kW	275 hp
Peak Torque (1,400 rpm)	1223 N·m	902 lbf-ft
Torque Rise	52%	

Emissions	Brazil MAR-1 and China Nonroad Stage III, equivalent to U.S. EPA Tier 3/EU Stage IIIA	
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Rated Speed	2200 rpm	
Net Power (SAE J1349:2011)	186 kW	249 hp
Net Power (ISO 9249:2007)	186 kW	249 hp
Gross Power (SAE J1995:2014)	213 kW	286 hp
Engine Power (ISO 14396:2002)	205 kW	275 hp
Peak Torque (1,400 rpm)	1016 N·m	749 lbf-ft
Torque Rise	26%	
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	7.01 L	427.8 in ³
High Idle Speed	2270 rpm	
Low Idle Speed	800 rpm	
Maximum Altitude without Derating	3000 m	9,842.5 ft

*Net power advertised is the power available at the engine flywheel when the engine is equipped with a fan, air cleaner, clean emissions module, and alternator.

Operating Specifications – Scoop

Operating Weight (Tier 4 Final/Stage V)	23 714 kg	52,280 lb
Operating Weight (Tier 3/Stage IIIA equivalent)	23 423 kg	51,639 lb

Transmission

Transmission Type	Cat planetary powershift	
Forward 1	5.9 km/h	3.7 mph
Forward 2	10.4 km/h	6.5 mph
Forward 3	18.1 km/h	11.2 mph
Forward 4	31.3 km/h	19.4 mph
Reverse 1	6.7 km/h	4.2 mph
Reverse 2	11.8 km/h	7.3 mph
Reverse 3	20.6 km/h	12.8 mph
Reverse 4	35.5 km/h	22.1 mph

Hydraulic System Lift/Tilt – Scoop

Lift/Tilt System – Circuit	Pilot operated LS valve with EH	
Lift/Tilt System	Variable displacement piston	
Maximum Flow at 2,200 rpm	125 L/min	33.0 gal/min
Relief Valve Setting – Lift/Tilt	15 500 kPa	2,248 psi
Cylinders, Double Acting: Lift, Bore, Stroke	165.1 mm × 914.4 mm	46.5 in × 36.0 in
Cylinders, Double Acting: Tilt, Bore, Stroke	152.4 mm × 508 mm	6.0 in × 20.0 in
Cylinders, Double Acting: Left and Right Dump, Bore, Stroke	114.3 mm × 736.6 mm	4.5 in × 29.0 in
Pilot System	Open center, fixed displacement gear	
Pilot Relief Valve Setting	21 000 kPa	3,046 psi

814 Wheel Dozer Specifications – Scoops

Hydraulic System – Steering

Steering System – Circuit	Pilot, load sensing	
Steering System – Pump	Variable displacement piston	
Maximum Flow at 2,200 rpm	147 L/min	38.8 gal/min
Relief Valve Setting – Steering	27 600 kPa	4,003 psi
Total Steering Angle	72°	
Steering Cycle Time (high idle)	3.0 seconds	
Steering Cycle Time (low idle)	8.2 seconds	

Service Refill Capacities

Fuel Tank	500 L	132.1 gal
Diesel Exhaust Fluid Tank	16 L	4.2 gal
Cooling Systems – Tier 4 Final/Stage V	81 L	21.4 gal
Cooling Systems – Tier 3/Stage IIIA equivalent	73 L	19.3 gal
Engine Crankcase	20 L	5.3 gal
Transmission	50 L	13.2 gal
Differentials and Final Drives – Front	65 L	17.2 gal
Differentials and Final Drives – Rear	65 L	17.2 gal
Hydraulic System – Implement/Steering	129 L	34.1 gal
Hydraulic Tank Only	75 L	19.8 gal
Oil Renewal System (ORS)	N/A	N/A

*All nonroad Tier 4 Final and Stage V diesel engines are required to use:

- Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm for EPA and 10 ppm for EU (mg/kg) sulfur or less. Biodiesel blends up to B20 are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD and when the biodiesel feedstock meets ASTM D7467 specifications.
- Cat DEO-ULS or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specifications are required.
- Diesel Exhaust Fluid (DEF) that meets all requirements defined in ISO 22241-1.

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.9 kg of refrigerant which has a CO₂ equivalent of 2.717 metric tonnes.

Axles

Front	Planetary – fixed
Rear	Planetary – oscillating
Oscillation Angle	±10°

Brakes

Service Brakes	Single Disc Wet (Enclosed) 4 WHL
Parking Brake	Drum and Shoe, Spring Applied, Hydraulic Released

Sound Performance

	Standard	Suppression
Operator Sound Level (ISO 6396:2008)	70 dB(A)	

Tier 4 Final/EU Stage V

Machine Sound Level (ISO 6395:2008)	111 dB(A)	109 dB(A)
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Brazil MAR-1 and China Nonroad Stage III, equivalent to Tier 3/ EU Stage IIIA

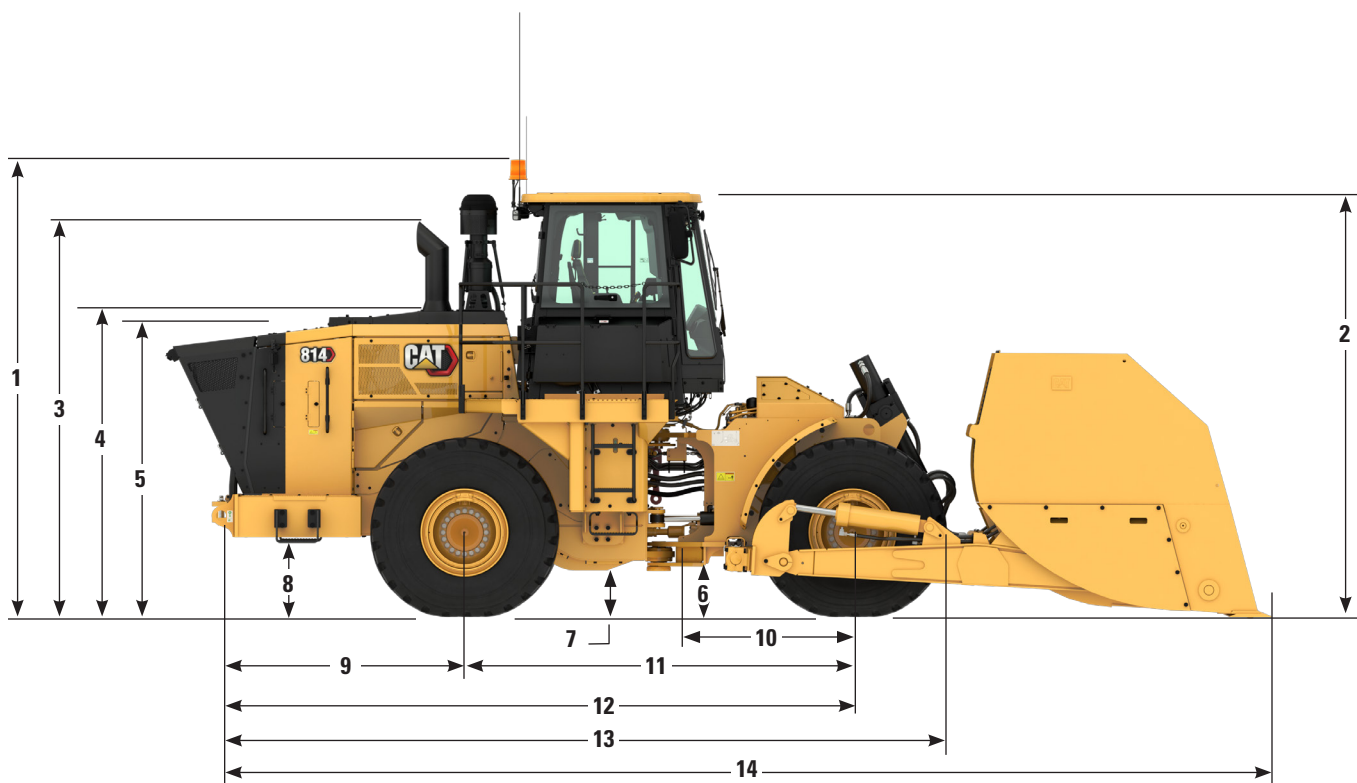
Machine Sound Level (ISO 6395:2008)	112 dB(A)	110 dB(A)
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- The operator sound pressure level was measured according to the test procedures and conditions specified in ISO 6396:2008. The measurement was conducted at the maximum engine cooling fan speed.
- The operator sound pressure level uncertainty is ± 2 dB(A)
- Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.
- The machine sound power level was measured according to the test procedures and conditions specified in ISO 6395:2008. The measurement was conducted at the maximum engine cooling fan speed.

814 Wheel Dozer Specifications – Scoops

Dimensions

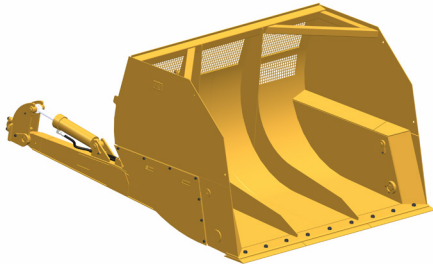
All dimensions are approximate.



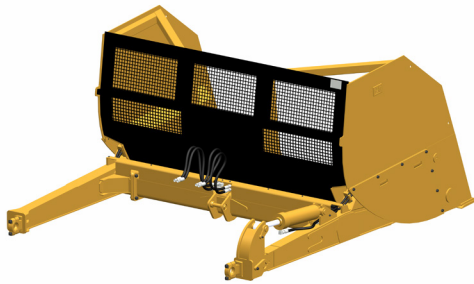
1	Height to Top of Beacon	3981 mm	13.1 ft
2	Height to Top of Cab Roof	3694 mm	12.1 ft
3	Height to Top of Exhaust Pipe	3439 mm	11.3 ft
4	Height to Top of Hood	2663 mm	8.7 ft
5	Height to Top of Radiator Guard	2453 mm	8.0 ft
6	Ground Clearance to Hitch	413 mm	1.4 ft
7	Ground Clearance to Transmission Guard	422 mm	1.4 ft
8	Ground Clearance to Bottom of Bumper	712 mm	2.3 ft
9	Center Line of Rear Axle to Bumper	1990 mm	6.5 ft
10	Center Line of Front Axle to Hitch	1675 mm	5.5 ft
11	Wheelbase	3350 mm	11.0 ft
12	Width Over Platform	3145 mm	10.3 ft
13	Overall Length to Front of Tire	6766 mm	22.2 ft
14	Overall Machine Length with Straight Blade	9536 mm	31.3 ft

814 Wheel Dozer Specifications – Scoops

Scoops



Large capacity scoops for wood chip applications. A mesh screen integrated into the back of the scoop maintains visibility to the cutting edge. The chip scoop version has extra screens at the top due to higher capacity.



Chip scoops come with lift cylinders for increased lift capacity. Integrated stabilizer system makes sure that the scoop stays stable and centralized on the machine. Scoop tilt function is standard and provides ± 15 degrees of tilt to maintain grade conditions and keep your operation safe.

Scoop Specifications

Carry Capacity	Doze Capacity	Overall Width	Height	Digging Depth	Ground Clearance	Maximum Dump Height	Maximum Overall Height in Dump Position	Dump Angle at Max Lift Height	Turning Radius – Outside Corner of Blade	Turning Radius – Inside Corner of Blade	Weight	Total Operating Weight
14.5 m ³ 19.0 yd ³	29.0 m ³ 37.9 yd ³	3755 mm 12.3 ft	2283 mm 7.5 ft	570 mm 1.9 ft	1844 mm 6 ft	1263 mm 4.1 ft	4521 mm 14.8 ft	55.2°	7904 mm 25.9 ft	3534 mm 11.6 ft	5421 kg 11,951 lb	23 714 kg 52,280 lb

814 Wheel Dozer Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
ELECTRICAL			OPERATOR ENVIRONMENT (CONTINUED)		
Alternator, 150 amp	✓		Vital Information Management System (VIMS): graphical information display, external data port, customizable operator profiles, event indicator light on rear grill	✓	
Batteries, maintenance-free	✓		Wet-arm wipers/washers (front and rear): intermittent front and rear wipers	✓	
Electrical system, 24V	✓		POWER TRAIN		
Lights, directional (rear)	✓		Advanced Productivity Electronic Control System (APECS)	✓	
Lighting system, (front and rear)	✓		Air-to-air aftercooler	✓	
Lighting system, LED		✓	Brakes, full hydraulic, enclosed, wet single disc service brakes	✓	
Starter, electric	✓		Cat clean emission module (Tier 4 Final/Stage V only)	✓	
OPERATOR ENVIRONMENT			Electro hydraulic parking brake	✓	
Air conditioner	✓		Electronic Clutch Pressure Control (ECPC)	✓	
Cab, sound-suppressed pressurized	✓		Engine, Cat C7.1 Tier 4 Final/Stage V emission standards or emits equivalent to Tier 3/Stage IIIA	✓	
Cab door, sliding window (LH)	✓		Engine driven cooling fan – suction	✓	
Coat and hard hat hooks	✓		Fuel priming pump (electric)	✓	
Fingertip shifting controls	✓		Fuel-to-air cooler	✓	
Flip-up armrest	✓		Heater, engine coolant, 120V		✓
Heater and defroster	✓		Heater, engine coolant, 240V		✓
Horn, electric	✓		Muffler (under hood) (Tier 3/Stage IIIA equivalent)	✓	
Hydraulic controls – seat mounted	✓		No-spin rear axle		✓
Implement hydraulic lockout	✓		Radiator, unit core	✓	
Instrumentation, gauges: DEF fluid level (Tier 4 Final/Stage V only), engine coolant temperature, fuel level, hydraulic oil temperature, speedometer/tachometer, torque converter temperature	✓		Throttle lock	✓	
Instrumentation, warning indicators: action alert system – three categories, brake oil pressure, electrical system – low voltage, engine failure malfunction alert and action lamp, parking brake status	✓		Transmission, planetary, with 4F/4R speed range control	✓	
Light, cab, dome	✓		SAFETY		
Lunchbox and beverage holders	✓		Alarm, back-up	✓	
Power port for mobile phone or laptop connection (12V)	✓		Lights, warning switched (LED strobe)	✓	
Radio, AM/FM/AUX/USB/Bluetooth		✓	Camera, rear vision	✓	
Radio ready for entertainment: antenna, speakers, converter (12V, 10-15 amp)	✓		Cat Detect: object detection (ready)	✓	
Seat, Premium plus containing forced air heating and cooling, two-way thigh adjustment, power lumbar and back bolster adjustment, ride stiffness adjustment, dynamic end dampening, and leather finish	✓		Mirror, internal (panoramic)	✓	
Rubber mounted, tinted glass	✓		Mirrors, rearview (externally mounted)	✓	
Sun visor, front	✓		Seat belt with minder, retractable, 76 mm (3 in) wide	✓	
Transmission gear (indicator)	✓		STIC control system with lockout	✓	
			Emergency platform egress	✓	

814 Wheel Dozer Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
SERVICE			EFFICIENCY		
Engine precleaner	✓		Steering, load sensing	✓	
Doors, service access (locking)	✓		Torque converter	✓	
Dual engine precleaner		✓	SOUND		
Ecology drains for engine, radiator, transmission, hydraulic tank	✓		Sound suppression		✓
Engine, crankcase, 500 hour interval with CJ-4 oil	✓		OTHER		
Fast fill fuel		✓	Blade (straight)		✓
Fire suppression ready	✓		Counterweight (front)		✓
Ground level lockable master disconnect switch	✓		DEF tank fill gauge	✓	
Starting receptacle for emergency start	✓		Fuel tank, 500 L (132.1 gal)	✓	
Ground level engine shutoff	✓		Guards, crankcase and power train	✓	
Oil change system, high speed	✓		Guard, driveshaft	✓	
Oil sampling valves	✓		Hitch, drawbar with pin	✓	
Total hydraulic filtration system	✓		Hoses, Cat XT	✓	
COLD WEATHER			Hydraulic, engine, and transmission oil coolers	✓	
Antifreeze, -50° C (-58° F)		✓	Sound suppression (required for Brazil)		✓
Antifreeze, premixed 50% concentration extended life (-34° C/-29° F)	✓		Vandalism protection caplocks	✓	
Starting aid (ether)	✓		Venturi stack	✓	



For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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