

PRODUCT SPECIFICATIONS FOR 920



ENGINE

Maximum Gross Power	121 HP
Rated Net Power - Rated Engine Speed	2200 r/min
Maximum Gross Power - Rated Engine Speed	2200 r/min
Rated Net Power - SAE J1349	120 HP
Maximum Gross Power - ISO 14396 (metric)	122 HP
Rated Net Power - ISO 9249	118 HP
Maximum Gross Torque - SAE J1995	372 ft·lbf
Maximum Gross Torque - ISO 14396	369 ft·lbf
Maximum Net Torque - SAE J1349	366 ft·lbf
Maximum Net Torque - ISO 9249	363 ft·lbf
Displacement	220 in ³
Bore	3.85 in
Stroke	4.72 in
Engine Model	Cat C3.6

Emissions Engine meets Tier 4 Final/Stage V emission standards.

Note Net power advertised is the power available at the flywheel plus front drive implement pump when the engine is equipped with fan, air cleaner, muffler and alternator.

Maximum Gross Power - ISO 14396 121 HP

BUCKETS

Bucket Capacities 1.3-3.5 m³ (1.7-4.6 yd³)

Bucket Capacities - General Purpose 1.3-1.9 m³ (1.7-2.5 yd³)

Bucket Capacities - Light Material 2.5-3.5 m³ (3.3-4.6 yd³)

WEIGHTS

Operating Weight 21742 lb

STEERING

Maximum Working Pressure - Steering Pump 3190 psi

Steering Cycle Times - Full Left to Full Right - At 2,350 rpm: 90 rpm Steering Wheel Speed 2.3 s

Steering Articulation Angle - Each Direction 40 °

Number of Steering Wheel Turns - Full Left to Full Right or Full Right to Full Left 3.4 turns

Maximum Flow - Steering Pump 21.7 gal/min

LOADER HYDRAULIC SYSTEM

Relief Pressure - Tilt Cylinder 4641 psi

Maximum Flow - Implement Pump - 3rd Function, Maximum Flow, Standard 25 gal/min

Maximum Flow - Implement Pump 43.6 gal/min

Relief Pressure - Tilt Cylinder - 4th Function Relief Pressure 4641 psi

Hydraulic Cycle Time - Float Down, Maximum Lift to Ground Level 2.7 s

Note All cycle times listed are with cylinder snubbing turned off.

Maximum Working Pressure - Implement Pump 4061 psi

Hydraulic Cycle Time - Total Cycle Time 11.5 s

Hydraulic Cycle Time - Rackback 2.2 s

Maximum Flow - Implement Pump - 4rd Function, Maximum Flow 25 gal/min

Hydraulic Cycle Time - Dump, at Maximum Reach 1.8 s

Hydraulic Cycle Time - Raise, Ground Level to Maximum Lift 4.8 s

Maximum Flow - Implement Pump - 3rd Function, Maximum Flow, High 40 gal/min

SERVICE REFILL CAPACITIES

Transmission 0.8 gal (US)

Engine Crankcase 2.6 gal (US)

Diesel Exhaust Fluid (DEF) Tank 4.8 gal (US)

Axles - Rear 4.5 gal (US)

Cooling System 5.7 gal (US)

Hydraulic System - Including Tank	25.9 gal (US)
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Axles - Front	4.5 gal (US)
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Fuel Tank	43.6 gal (US)
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Hydraulic Tank	14.5 gal (US)
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Note	DEF used in Cat Selective Catalyst Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241-1.
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TRANSMISSION

Note	*Creeper Control allows speed control from a stand still up to 10 km/h (6.3 mph). The Creeper Control will only work in Range 1.
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Forward and Reverse - Speed Range 3	25 mile/h
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Forward and Reverse - Speed Range 2*	12.5 mile/h
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Forward and Reverse - Speed Range 1*	6.3 mile/h
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AXLES

Rear	Oscillating ± 11 degrees; Locking differential (standard)
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Front	Fixed; Locking differential (standard)
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CAB

ROPS	ISO 3471:2008
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FOPS	ISO 3449:2005
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Note (3) The labelled sound power level for the CE marked configurations when measured according to the test procedure and conditions specified in 2000/14/EC (as amended by 2005/88/EC) is 103 dB(A).

Note (2) The declared dynamic operator sound pressure levels per ISO 6396:2008*, when the cab is properly installed and maintained, is 77 dB(A).

Note (1) Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.

Note (4) *The measurements were conducted with the cab doors and windows closed.

TIRES

Other Choices Include 17.5 R25 L3 XHA2; 20.5 R25 L3 XHA3; 17.5-25 L2/L3 SGL; 20.5-25 L2/L3 SGL; 17.5-25 L3 HRL D/L-3A; 17.5 R25 L2 Snow; 20.5 R25 L2 Snow; 17.5 R25 Solid

Standard Size 17.5 R25 L2 XTLA

Note (1) Other tire choices are available. Contact your Cat dealer for details.

Note (3) Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.

Note (2) In certain applications, the loader's productive capabilities may exceed the tire's tonnes-km/h (ton-mph) capabilities.

SUSTAINABILITY

Recyclability 95%