

# PRODUCT SPECIFICATIONS FOR 920



## ENGINE

<b>Maximum Gross Power</b>	121 HP
<b>Rated Net Power - Rated Engine Speed</b>	2200 r/min
<b>Maximum Gross Power - Rated Engine Speed</b>	2200 r/min
<b>Rated Net Power - SAE J1349</b>	120 HP
<b>Maximum Gross Power - ISO 14396 (metric)</b>	122 HP
<b>Rated Net Power - ISO 9249</b>	118 HP
<b>Maximum Gross Torque - SAE J1995</b>	372 ft·lbf
<b>Maximum Gross Torque - ISO 14396</b>	369 ft·lbf
<b>Maximum Net Torque - SAE J1349</b>	366 ft·lbf
<b>Maximum Net Torque - ISO 9249</b>	363 ft·lbf
<b>Displacement</b>	220 in <sup>3</sup>
<b>Bore</b>	3.85 in
<b>Stroke</b>	4.72 in
<b>Engine Model</b>	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 m<sup>3</sup> (1.7-4.6 yd<sup>3</sup>)

**Bucket Capacities - General Purpose** 1.3-1.9 m<sup>3</sup> (1.7-2.5 yd<sup>3</sup>)

**Bucket Capacities - Light Material** 2.5-3.5 m<sup>3</sup> (3.3-4.6 yd<sup>3</sup>)

## 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)

<b>Hydraulic System - Including Tank</b>	25.9 gal (US)
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<b>Axles - Front</b>	4.5 gal (US)
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<b>Fuel Tank</b>	43.6 gal (US)
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<b>Hydraulic Tank</b>	14.5 gal (US)
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<b>Note</b>	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

<b>Note</b>	*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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<b>Forward and Reverse-Speed Range 3</b>	25 mile/h
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<b>Forward and Reverse-Speed Range 2*</b>	12.5 mile/h
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<b>Forward and Reverse-Speed Range 1*</b>	6.3 mile/h
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## AXLES

<b>Rear</b>	Oscillating $\pm 11$ degrees; Locking differential (standard)
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<b>Front</b>	Fixed; Locking differential (standard)
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## CAB

<b>ROPS</b>	ISO 3471:2008
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<b>FOPS</b>	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%