

Product Specifications For 920



Weights

Operating Weight	9865 kg
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Buckets

Bucket Capacities	1.3-3.5 m ³ (1.7-4.6 yd ³)
Bucket Capacities - General Purpose	1.3-1.9 m ³ (1.7-2.5 yd ³)
Bucket Capacities - Light Material	2.5-3.5 m ³ (3.3-4.6 yd ³)

Engine

Maximum Gross Power	90 kW
Rated Net Power - Rated Engine Speed	2200 r/min
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Rated Net Power - SAE J1349	90 kW
Maximum Gross Power - ISO 14396 (metric)	122 hp
Rated Net Power - ISO 9249	88 kW
Maximum Gross Torque - SAE J1995	505 N·m
Maximum Gross Torque - ISO 14396	500 N·m
Maximum Net Torque - SAE J1349	496 N·m

Maximum Net Torque - ISO 9249	493 N·m
Displacement	3.6 l
Bore	98 mm
Stroke	120 mm
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	90 kW

Sustainability

Recyclability	95%
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Service Refill Capacities

Transmission	3.2 l
Engine Crankcase	10 l
Diesel Exhaust Fluid (DEF) Tank	18 l
Axles - Rear	17 l
Cooling System	21.5 l
Hydraulic System - Including Tank	98 l

Axles - Front	17 l
Fuel Tank	165 l
Hydraulic Tank	55 l
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.

Cab

ROPS	ISO 3471:2008
FOPS	ISO 3449:2005
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.

Steering

Maximum Working Pressure - Steering Pump	22000 kPa
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	82 L/min

Loader Hydraulic System

Relief Pressure - Tilt Cylinder	32000 kPa
Maximum Flow - Implement Pump - 3rd Function, Maximum Flow, Standard	95 L/min
Maximum Flow - Implement Pump	165 L/min
Relief Pressure - Tilt Cylinder - 4th Function Relief Pressure	32000 kPa
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	28000 kPa
Hydraulic Cycle Time - Total Cycle Time	11.5 s
Hydraulic Cycle Time - Rackback	2.2 s
Maximum Flow - Implement Pump - 4rd Function, Maximum Flow	95 L/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	150 L/min

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	40 km/h
Forward and Reverse - Speed Range 2*	20 km/h
Forward and Reverse - Speed Range 1*	10 km/h

Axles

Rear	Oscillating ± 11 degrees; Locking differential (standard)
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Front	Fixed; Locking differential (standard)
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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
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Standard Size	17.5 R25 L2 XTLA
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Note (1)	Other tire choices are available. Contact your Cat dealer for details.
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Note (3)	Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.
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Note (2)	In certain applications, the loader's productive capabilities may exceed the tire's tonnes-km/h (ton-mph) capabilities.
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