

# Product Specifications For 914



## Weights

Operating Weight	19103 lb
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## Buckets

Bucket Capacities	1.3-3.5 m <sup>3</sup> (1.7-4.6 yd <sup>3</sup> )
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Bucket Capacities - General Purpose	1.3-1.9 m <sup>3</sup> (1.7-2.5 yd <sup>3</sup> )
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Bucket Capacities - Light Material	2.5-3.5 m <sup>3</sup> (3.3-4.6 yd <sup>3</sup> )
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## Engine

Maximum Gross Power	110 hp
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Rated Net Power - Rated Engine Speed	2200 r/min
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Maximum Gross Power - Rated Engine Speed	1800 r/min
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Rated Net Power - SAE J1349	99 hp
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Maximum Gross Power - ISO 14396 (metric)	112 hp
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Rated Net Power - ISO 9249	98 hp
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Maximum Gross Torque - SAE J1995	335 ft·lbf
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Maximum Gross Torque - ISO 14396	332 ft·lbf
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Maximum Net Torque - SAE J1349	329 ft·lbf
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<b>Maximum Net Torque - ISO 9249</b>	327 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
<b>Emissions</b>	Engine meets Tier 4 Final/Stage V emission standards.
<b>Note</b>	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.
<b>Maximum Gross Power - ISO 14396</b>	110 hp

## Sustainability

<b>Recyclability</b>	95%
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## Cab

<b>ROPS</b>	ISO 3471:2008
<b>FOPS</b>	ISO 3449:2005
<b>Note (4)</b>	*The measurements were conducted with the cab doors and windows closed.
<b>Note (2)</b>	The declared dynamic operator sound pressure levels per ISO 6396:2008*, when the cab is properly installed and maintained, is 77 dB(A).
<b>Note (3)</b>	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).
<b>Note (1)</b>	Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.

## Service Refill Capacities

<b>Cooling System</b>	5.7 gal (US)
<b>Fuel Tank</b>	43.6 gal (US)
<b>Note</b>	DEF used in Cat SCR systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241-1.
<b>Axles - Rear Center Differential</b>	2 gal (US)
<b>Hydraulic System - Including Tank</b>	25.9 gal (US)
<b>Diesel Exhaust Fluid (DEF) Tank</b>	4.8 gal (US)
<b>Engine Crankcase</b>	2.6 gal (US)
<b>Hydraulic Tank</b>	14.5 gal (US)
<b>Transmission</b>	0.8 gal (US)
<b>Axles - Front Center Differential</b>	2 gal (US)

## Steering

<b>Maximum Flow - Steering Pump</b>	22 gpm
<b>Number of Steering Wheel Turns - Full Left to Full Right or Full Right to Full Left</b>	3.75 turns
<b>Steering Cycle Times - Full Left to Full Right - At 2,350 rpm: 90 rpm Steering Wheel Speed</b>	2.8 s
<b>Maximum Working Pressure - Steering Pump</b>	3263 psi
<b>Steering Articulation Angle - Each Direction</b>	40 °

# Loader Hydraulic System

<b>Relief Pressure - Tilt Cylinder - 3rd Function Maximum Working Pressure</b>	3046 psi
<b>Maximum Flow - Implement Pump</b>	39 gpm
<b>Maximum Flow - Implement Pump - 3rd Function, Maximum Flow, Standard</b>	24 gpm
<b>Relief Pressure - Tilt Cylinder - 4th Function Maximum Working Pressure</b>	3046 psi
<b>Hydraulic Cycle Time - Total Cycle Time</b>	12.5 s
<b>Hydraulic Cycle Time - Raise, Ground Level to Maximum Lift</b>	5.2 s
<b>Maximum Flow - Implement Pump - 4th Function, Maximum Flow</b>	24 gpm
<b>Hydraulic Cycle Time - Dump, at Maximum Reach</b>	1.4 s
<b>Relief Pressure - Tilt Cylinder</b>	4931 psi
<b>Maximum Flow - Implement Pump - 3rd Function, Maximum Flow, High</b>	32 gpm
<b>Maximum Working Pressure - Implement Pump</b>	4061 psi
<b>Hydraulic Cycle Time - Rackback</b>	2.2 s
<b>Hydraulic Cycle Time - Float Down, Maximum Lift to Ground Level</b>	3.7 s

## 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.
<b>Forward and Reverse - Speed Range 3</b>	25 mile/h
<b>Forward and Reverse - Speed Range 1*</b>	6.3 mile/h

**Forward and Reverse -  
Speed Range 2\***

12.5 mile/h

## Tires

**Other Choices  
Include**

17.5 R25 L3 XHA2; 17.5-25 L2/L3 SGL; 17.5-25 L3 HRL D/L-3A; 17.5 R25 L2  
Snow; 17.5 R25 Solid

**Note (1)**

Other tire choices are available. Contact your Cat dealer for details.

**Standard Size**

17.5 R25 L2 XTLA

**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.

## Axles

**Rear**

Oscillating  $\pm 11$  degrees; Locking differential (Standard)

**Front**

Fixed; Locking differential (standard)