



CAT 966k Wheel Loader

SAFETY & SECURITY

All the equipment is installed with the following additional equipment to enhance safe and secure use.

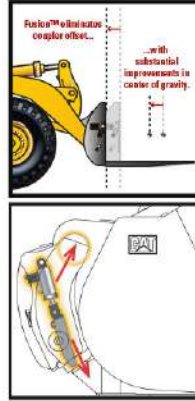
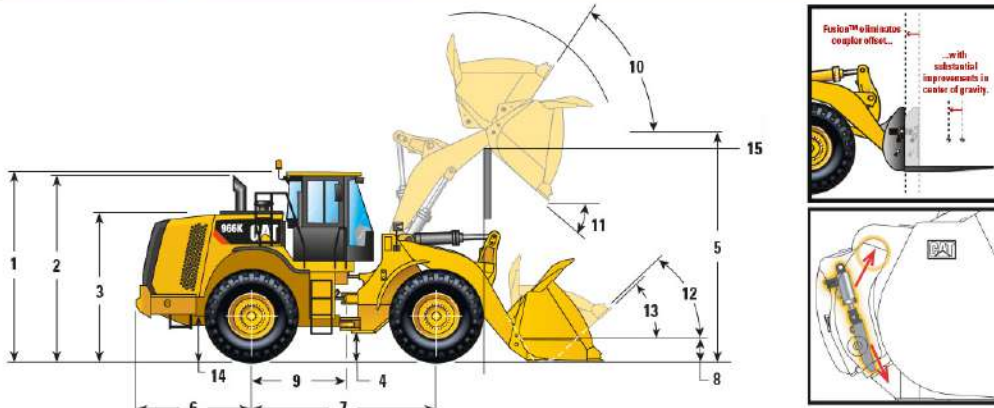
1. High Resolution reverse camera
2. Green Light Seat Belt Warning
3. Work at Height Fall protection rails
4. Weigh Loader Option
5. Unique Operator Keys
6. Anti Theft Satellite Tracking
7. On Board Diagnostic Data logging
8. Wireless Product Link Machine communication.
9. Proximity Reverse Radar

CAT 966k Wheel Loader

Operating Weight
22,448 kg 49,489 lb



1. Dimensions All dimensions are approximate.



1 Height to Top of ROPS	3547 mm	11'7"
2 Height to Top of Exhaust Pipe	3518 mm	11'6"
3 Height to Top of Hood	2828 mm	9'3"
4 Ground Clearance With 26.5R25	475 mm	1'6"
5 B-Pin Height – Standard	4234 mm	13'10"
B-Pin Height – High-Lift	4792 mm	15'8"
6 Center Line of Rear Axle to Edge of Counterweight	2187 mm	7'2"
7 Wheelbase	3450 mm	11'3"
8 B-Pin Height @ Carry – Standard	640 mm	2'1"
9 Center Line of Rear Axle to Hitch	1725 mm	5'7"
10 Rack Back @ Maximum Lift		62 degrees
11 Dump Angle @ Maximum Lift		49 degrees
12 Rack Back @ Carry		50 degrees
13 Rack Back @ Ground		42 degrees
14 Height to Center Line of Axle	798 mm	2'7"
15 Lift Arm Clearance	2862 mm	9'3"
Lift Arm Clearance @ High Lift	4153 mm	13'6"

2. Bucket Selection Chart

Bucket Type	Material Handling – Fusion QC		Bucket Type	Material Handling – Fusion QC	
	Bolt-On Edges	Teeth and Segments		Bolt-On Edges	Teeth and Segments
Capacity – Rated (\$)	m ³ yd ³	4.20 5.49	Overall Height with Bucket at Maximum Lift	mm ft/in	5943 19'6"
Capacity – Struck (\$)	m ³ yd ³	3.40 4.45	Loader Clearance Circle with Bucket at Carry Position (\$)	mm ft/in	14 793 48'7"
Width (\$)	mm ft/in	3220 10'6"	Static Tipping Load, Straight (ISO)*	kg lb	15 903 35,050
Dump Clearance at Maximum Lift and 45° Discharge (\$)	mm ft/in	2899 9'6"	Static Tipping Load, Straight (Rigid Tire)*	kg lb	17 084 37,653
Reach at Maximum Lift and 45° Discharge (\$)	mm ft/in	1331 44"	Static Tipping Load, Articulated (ISO)*	kg lb	13 942 30,728
Reach at Level Lift Arm and Bucket Level (\$)	mm ft/in	2880 9'5"	Static Tipping Load, Articulated (Rigid Tire)*	kg lb	15 101 33,283
Digging Depth (\$)	mm in	124 4.9"	Breakout Force** (\$)	kN lb	167 37,675
Overall Length	mm ft/in	8733 28'8"	Operating Weight*	kg lb	24 647 54,321

3. Bucket Material Density

Material Density		kg/m ³																
		700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100		
General Purpose	3.80 m ³ (4.97 yd ³)	4.37 m ³ (5.72 yd ³)															3.80 m ³ (4.97 yd ³)	
	4.20 m ³ (5.49 yd ³)	4.83 m ³ (6.32 yd ³)															4.20 m ³ (5.49 yd ³)	
	4.60 m ³ (6.02 yd ³)	5.29 m ³ (6.92 yd ³)															4.60 m ³ (6.02 yd ³)	
Material Handling	4.00 m ³ (5.23 yd ³)	4.50 m ³ (5.82 yd ³)															4.00 m ³ (5.23 yd ³)	
	4.20 m ³ (5.49 yd ³)	4.83 m ³ (6.32 yd ³)															4.20 m ³ (5.49 yd ³)	
	4.40 m ³ (5.75 yd ³)	5.05 m ³ (6.62 yd ³)															4.40 m ³ (5.75 yd ³)	
	4.60 m ³ (6.02 yd ³)	5.29 m ³ (6.92 yd ³)															4.60 m ³ (6.02 yd ³)	
Light Material	4.80 m ³ (6.26 yd ³)	5.52 m ³ (7.22 yd ³)															4.80 m ³ (6.26 yd ³)	
	7.10 m ³ (9.29 yd ³)	8.17 m ³ (10.63 yd ³)															7.10 m ³ (9.29 yd ³)	
Material Density	lb/yc ³	1,180	1,348	1,517	1,885	1,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539		

To discuss your production or rental requirements in more detail call our rental team on 0161 761 5109

All data gathered from the manufacturer & accurate at time of publication. This data sheet is provided as a guide only. Please check against manufacturer data on all critical requirements.

4. Engine

Engine Model	C9.3 ACERT™	
Gross Power – SAE J1995	222 kW	296 hp
		302 hp

5. Service Refill Capacities

Fuel Tank	381 L	112.0 gal
Cooling System	65 L	17.0 gal
Engine Crankcase	24.5 L	6.5 gal
Transmission	148.0 L	39.1 gal
Differentials and Final Drives - Front	64 L	16.9 gal
Differentials and Final Drives - Rear	64 L	16.9 gal
Hydraulic Tank	198 L	52.3 gal

6. Buckets

Capacity:	2.50 m ³	3.25 yd ³
	9.20 m ³	12.00 yd ³

Refer to bucket selection chart

7. Transmission

Forward 1	6.7 km/h	4.2 mph
Forward 2	12.6 km/h	7.8 mph
Forward 3	22.4 km/h	13.9 mph
Forward 4	37.4 km/h	23.2 mph
Reverse 1	7.8 km/h	4.9 mph
Reverse 2	13.7 km/h	8.5 mph
Reverse 3	23.5 km/h	14.6 mph
Reverse 4	38.5 km/h	23.9 mph

• Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 826 mm (33 in) roll radius.

8. Operating Specifications

Static Tipping Load	14 636 kg	32,259 lb
Full 37° Turn – ISO 14397-1*		
Static Tipping Load	15 828 kg	34,886 lb
Full 37° Turn – Rigid Tires**		
Breakout Force	173 kN	38,984 lb

9. Sound

• The dynamic operator sound pressure level for a standard machine configuration, measured according to the procedures specified in "ISO 6396:2008," is 69 dB(A) with a cooling fan speed set at 70 percent of the maximum value.

• The sound power level that is labeled on the machine is 108 LWA.

1. Dimensions
2. Bucket Selection Chart
3. Bucket Material Density
4. Engine
5. Service Refill Capacities
6. Buckets
7. Transmission
8. Operating Specifications
9. Sound