966 GC

Wheel Loader

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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Engine

Engine Model	Cat® C9.3B	
Engine Power @ 1,600 rpm		
ISO 14396:2002	239 kW	321 hp
ISO 14396:2002 (DIN)	325 mhp (PS)	
Gross Power @ 1,600 rpm		
SAE J1995:2014	242 kW	325 hp
SAE J1995:2014 (DIN)	329 mhp (PS)	
Net Power @ 1,600 rpm		
ISO 9249:2007, SAE J1349:2011	218 kW	292 hp
ISO 9249:2007 (DIN)	296 mhp (PS)	
Engine Torque @ 1,200 rpm		
ISO 14396:2002	1781 N·m	1,314 lbf-ft
Gross Torque @ 1,200 rpm		
SAE J1995:2014	1799 N·m	1,327 lbf-ft
Net Torque @ 1,200 rpm		
ISO 9249:2007, SAE J1349:2011	1673 N·m	1,234 lbf-ft
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Displacement	9.30 L	567.5 in^3

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Tier 5, China Nonroad Stage IV and Japan 2014 (Tier 4 Final) emission standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
  - ✓ 20% biodiesel FAME (fatty acid methyl ester)*
  - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

  Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

**Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.*

Weights

Operating Weight	21 781 kg	48,018 lb

- Weight based on a machine configuration with Maxam MS302 L3 Tires, full fluids, operator, standard counterweight, ride control cold start, roading fenders, Product Link™, Open/open axles, power train guard, secondary steering, steering cylinder guard, and a 4.0 m^3 (5.25 yd^3) general purpose bucket with BOCE.

Operating Specifications

Static Tipping Load Full 37° Turn		
With Tire Deflection	13 640 kg	30,072 lb
Without Tire Deflection	14 621 kg	32,233 lb
Breakout Force	164 kN	36,974 lbf

- Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Bucket Capacities

Bucket Range	3.2-7.1 m^3	4.25-9.25 yd^3

Transmission

Forward 1	6.4 km/h	4.0 mph
Forward 2	12.1 km/h	7.5 mph
Forward 3	21.0 km/h	13.0 mph
Forward 4	34.8 km/h	21.6 mph
Reverse 1	7.0 km/h	4.3 mph
Reverse 2	13.2 km/h	8.2 mph
Reverse 3	23.0 km/h	14.3 mph
Reverse 4	36.9 km/h	22.9 mph

- Maximum travel speeds (26.5R25 tires).
- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 826 mm (32.5 in) roll radius.

Service Refill Capacities

Fuel Tank Size	320 L	84.5 gal
DEF Tank	26 L	6.9 gal
Cooling System	53 L	14.0 gal
Crankcase	23 L	6.1 gal
Transmission	55 L	14.5 gal
Differentials and Final Drives – Front	57 L	15.1 gal
Differentials and Final Drives – Rear	57 L	15.1 gal
Hydraulic Tank	101 L	26.7 gal

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.7 kg of refrigerant which has a CO_2 equivalent of 2.431 metric tonnes.

Hydraulic System

Implement System Pump Type	Variable displacement piston, load sensing	
Implement System		
Maximum Pump Output at 2,275 rpm	327 L/min	86 gal/min
Maximum Operating Pressure at 50 L/min (13.2 gal/min)	27 900 kPa	4,047 psi
3rd Function Maximum Pressure	22 780 kPa	3,304 psi
3rd Function Maximum Flow	240 L/min	63 gal/min
Hydraulic Cycle Time		
Raise from Carry Position	5.7 seconds	
Dump at Maximum Raise	1.8 seconds	
Lower, Empty, Float Down	2.6 seconds	
Total Cycle Time	10.1 seconds	

Tires*

Choices include:
- Triangle 26.5R25★★ L3 (TB516)
- Triangle 26.5R25★★ L3 (TB598)
- Maxam 26.5R25★★ L3 (MS302)
- Bridgestone 26.5R25★ L3 (VJT)
- Maxam 26.5R25★★ L5 (MS503)
- Bridgestone 26.5R25★ L5 (VSDT)
- Triangle 26.5R25★★ L5 (TL538S+)
- Bridgestone 26.5-25 20PR L-3 (VL2)

*Tire offerings vary by region. Consult your local Cat dealer for further details.

Sound

The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.

With Cooling Fan Speed at Maximum Value:	
Operator Sound Pressure Level (ISO 6396:2008)	75 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	110 dB(A)
Exterior Sound Power Level (SAE J88:2013)	78 dB(A)
With Cooling Fan Speed at 70% of Maximum Value:*	
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Exterior Sound Power Level	108 dB(A)**

*For machines in European Union countries and in countries that adopt the "EU Directives."

**European Union Directive "2000/14/EC" as amended by "2005/88/EC."

Cab

ROPS/FOPS	ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards

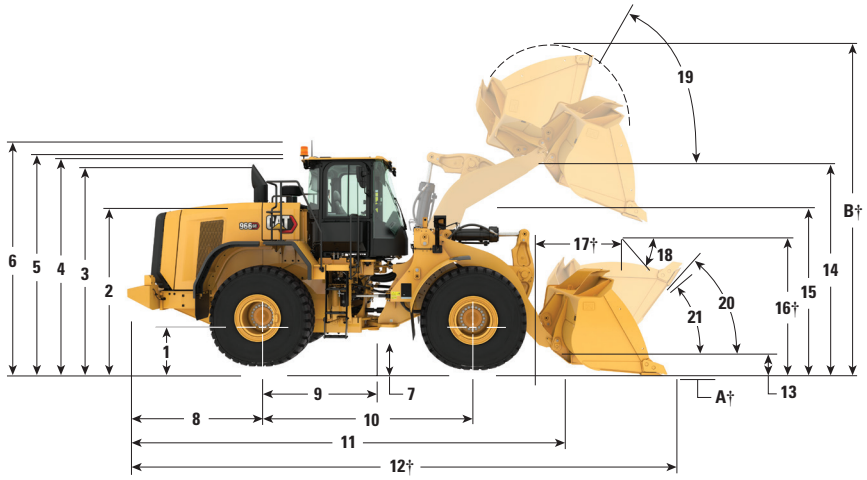
Brakes

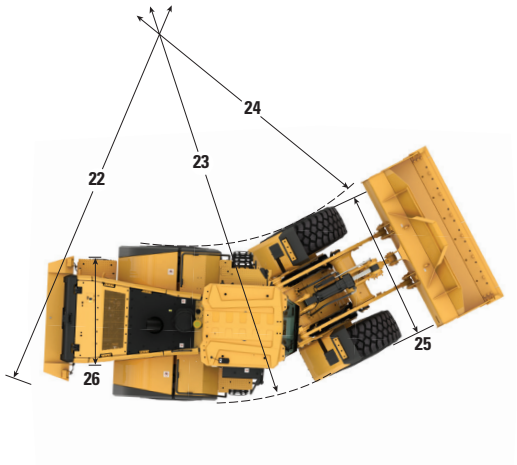
Brakes	Brakes meet ISO 3450:2011 standards

966 GC Wheel Loader Specifications

Dimensions

All dimensions are approximate and based on 26.5R25 ★★ L3 TB516 Triangle tires.





1	Height to Axle Centerline	819 mm	2'8"
2	Height to Top of Hood	2804 mm	9'3"
3	Height to Top of Exhaust Pipe	3539 mm	11'8"
4	Height to Top of ROPS	3582 mm	11'10"
5	Height to Top of Product Link Antenna (EU Stage IIIA/EPA Tier 3)	3612 mm	11'11"
	Height to Top of Product Link Antenna (EU Stage V/EPA Tier 4 Final/CNR4)	3583 mm	11'10"
6	Height to Top of Warning Beacon	3877 mm	12'9"
7	Ground Clearance	455 mm	1'5"
8	Center Line of Rear Axle to Edge of Counterweight	2453 mm	8'1"
9	Center Line of Rear Axle to Hitch	1775 mm	5'10"
10	Wheelbase	3550 mm	11'8"
11	Overall Length (without Bucket)	7527 mm	24'9"
12	Shipping Length (with Bucket level on ground)*†	8937 mm	29'4"
13	Hinge Pin Height at Carry Height	614 mm	2'0"
14	Hinge Pin Height at Maximum Lift	4256 mm	13'11"
15	Lift Arm Clearance at Maximum Lift	3705 mm	12'1"
16	Dump Clearance at Maximum Lift and 45° Discharge*†	3064 mm	10'0"
17	Reach at Maximum Lift and 45° Discharge*†	1302 mm	4'3"
18	Dump Angle at Maximum Lift & Dump (on stops)*	45°	
19	Rack Back at Maximum Lift*	62°	
20	Rack Back at Carry Height*	50°	
21	Rack Back at Ground*	42°	
22	Clearance Circle (dia) to Counterweight	13 386 mm	44'0"
23	Clearance Circle (dia) to Outside of Tires	13 350 mm	43'10"
24	Clearance Circle (dia) to Inside of Tires	7456 mm	24'6"
25	Width Over Tires (unloaded)	2874 mm	9'6"
	Width Over Tires (loaded)	3173 mm	10'5"
26	Tread Width	2230 mm	7'3"

*With 4.0 m^3 (5.23 yd^3) general purpose pin-on bucket with BOCE (see Operating Specifications for other Buckets).

†Dimensions are listed in Operating Specifications charts.

All height and tire related dimensions are with tire AR-RIM 26.5R25 ** L-3 TB516 Triangle tires (see Tire Option Chart for other tires). "Width Over Tires" dimensions are over the bulge and include growth.

Tire Options

Tire Brand	Triangle	Maxam	Bridgestone	Maxam
Tire Size	**26.5R25**	**26.5R25**	**26.5R25**	**26.5R25**
Tread Type	**L–3**	**L–3**	**L–3**	**L–5**
Tread Pattern	**TB516**	**MS302**	**VJT**	**MS503**
Width over Tires – Maximum (empty)*	2874 mm 9'5"	2965 mm 9'9"	2966 mm 9'9"	2955 mm 9'8"
Width over Tires – Maximum (loaded)*	3173 mm 10'5"	3007 mm 9'10"	3005 mm 9'10"	3000 mm 9'10"
Change in Vertical Dimensions (average of front and rear)		7 mm 0.3"	–2 mm –0.1"	33 mm 1.3"
Change in Horizontal Reach		–0.5 mm –0.02"	6.5 mm 0.26"	–22 mm –0.87"
Change in Clearance Circle to Outside of Tires		–83 mm –3.27"	–84 mm –3.31"	–86.5 mm –3.41"
Change in Clearance Circle to Inside of Tires		83 mm 3.27"	84 mm 3.31"	86.5 mm 3.41"
Change in Operating Weight (without Ballast)		–64 kg –141.1 lb	–180 kg –396.8 lb	652 kg 1,437 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	502 mm 1'8"	502 mm 1'8"	502 mm 1'8"	310 mm 1'1"

*Width over tire bulge and includes tire growth.

Tire Brand	Bridgestone	Triangle	Triangle	Bridgestone
Tire Size	**26.5R25**	**26.5R25**	**26.5R25**	**26.5-25**
Tread Type	**L–5**	**L–5**	**L–3**	**L–3**
Tread Pattern	**VSDT**	**TL538S+**	**TB598**	**VL2**
Width over Tires – Maximum (empty)*	2972 mm 9'9"	2962 mm 9'9"	2943 mm 9'8"	2927 mm 9'7"
Width over Tires – Maximum (loaded)*	2995 mm 9'10"	2980 mm 9'9"	2999 mm 9'10"	2946 mm 9'8"
Change in Vertical Dimensions (average of front and rear)	26.5 mm 1.0"	8.5 mm 0.3"	–28.5 mm –1.1"	–45 mm –1.8"
Change in Horizontal Reach	–12.5 mm –0.49"	–29 mm –1.14"	3 mm 0.12"	6 mm 0.24"
Change in Clearance Circle to Outside of Tires	–89 mm –3.5"	–96.5 mm –3.8"	–87 mm –3.43"	–113.5 mm –4.47"
Change in Clearance Circle to Inside of Tires	89 mm 3.5"	96.5 mm 3.8"	87 mm 3.43"	113.5 mm 4.47"
Change in Operating Weight (without Ballast)	764 kg 1,684 lb	656 kg 1,446 lb	–80 kg –176.4 lb	–404 kg –890.7 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	310 mm 1'1"	310 mm 1'1"	502 mm 1'8"	502 mm 1'8"

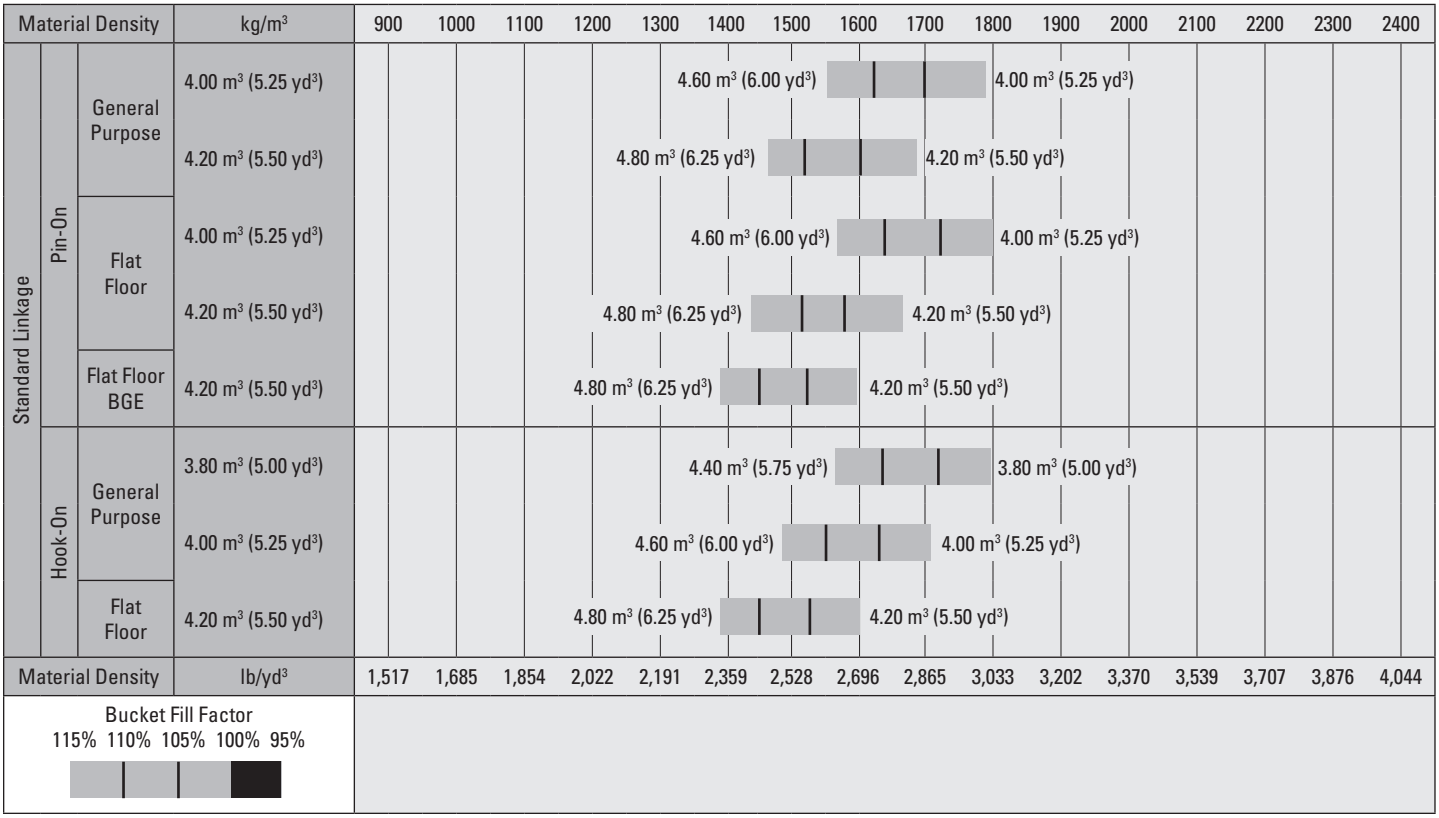
*Width over tire bulge and includes tire growth.

Bucket Fill Factors and Selection Guide

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard demonstrate fill factors significantly higher than previous generation or non-Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

Loose Material		Fill Factor (%)*	Material Density
Earth/Clay		115	1.5-1.7
Sand and Gravel		115	1.5-1.7
Aggregate:	25-76 mm (1 to 3 in)	110	1.6-1.7
	19 mm (0.75 in) and smaller	105	1.8
Rock:	76 mm (3 in) and larger	100	1.6

*As a % of ISO 7546 rated capacity.
Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges.
*Bucket availability may vary by region.

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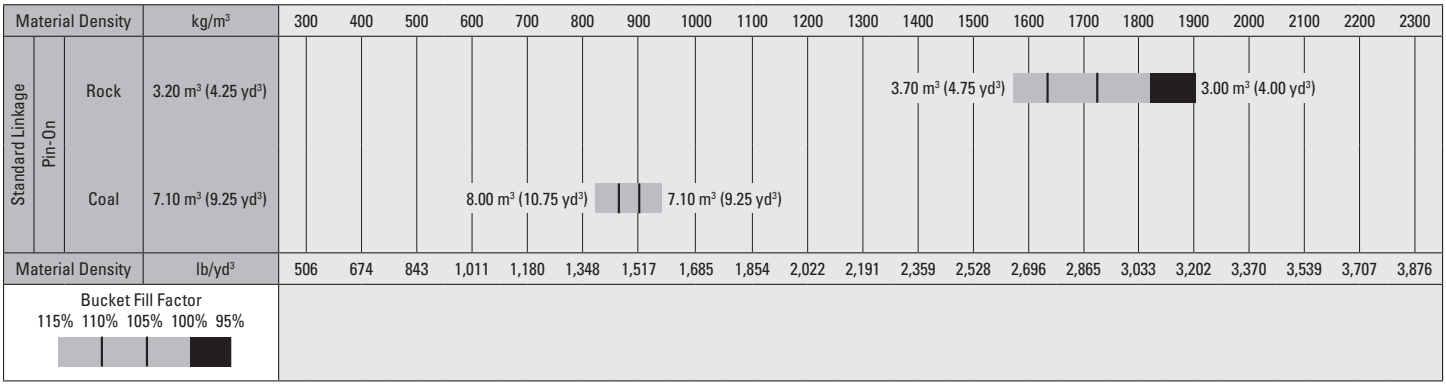

Note: All buckets are showing Bolt-On Edges.
*Bucket availability may vary by region.
** Data with Rock, Spade buckets equipped with Teeth and Segments and machine with L5 tires.

966 GC Wheel Loader Specifications

Operating Specifications – Buckets

Linkage		Standard Linkage					
Bucket Type		**GC General Purpose – Pin-On**					
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**	**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**
Capacity – Rated	m^3	4.00	4.00	3.85	4.20	4.20	4.00
	yd^3	5.25	5.25	5.00	5.50	5.50	5.25
Capacity – Rated at 110% Fill Factor	m^3	4.40	4.40	4.20	4.60	4.60	4.50
	yd^3	5.75	5.75	5.50	6.00	6.00	6.00
Width	mm	3220	3271	3271	3220	3271	3271
	ft/in	10'6"	10'8"	10'8"	10'6"	10'8"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3071	2918	2918	3042	2888	2888
	ft/in	10'0"	9'6"	9'6"	9'11"	9'5"	9'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1300	1439	1439	1324	1462	1462
	ft/in	4'3"	4'8"	4'8"	4'4"	4'9"	4'9"
Reach at Level Lift Arm and Bucket Level	mm	2724	2928	2928	2762	2966	2966
	ft/in	8'11"	9'7"	9'7"	9'0"	9'8"	9'8"
A† Digging Depth	mm	97	97	67	97	97	67
	in	3.8"	3.8"	2.6"	3.8"	3.8"	2.6"
12† Overall Length	mm	8932	9157	9157	8970	9195	9195
	ft/in	29'4"	30'1"	30'1"	29'6"	30'3"	30'3"
B† Overall Height with Bucket at Maximum Lift	mm	5856	5856	5856	5895	5895	5895
	ft/in	19'3"	19'3"	19'3"	19'5"	19'5"	19'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7501	7587	7587	7510	7597	7597
	ft/in	24'8"	24'11"	24'11"	24'8"	25'0"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	15 488	15 304	15 510	15 421	15 237	15 435
	lb	34,136	33,731	34,184	33,989	33,582	34,018
Static Tipping Load, Straight (No tire deflection)	kg	16 464	16 279	16 485	16 403	16 216	16 414
	lb	36,288	35,879	36,334	36,152	35,740	36,177
Static Tipping Load, Articulated (With tire deflection)	kg	13 640	13 456	13 650	13 575	13 391	13 577
	lb	30,063	29,658	30,085	29,920	29,513	29,925
Static Tipping Load, Articulated (No tire deflection)	kg	14 620	14 434	14 629	14 560	14 373	14 560
	lb	32,223	31,814	32,242	32,091	31,680	32,090
Breakout Force (§)	kN	164	162	174	159	157	169
	lbf	36,927	36,575	39,295	35,828	35,477	38,060
Operating Weight*	kg	21 781	21 919	21 756	21 822	21 960	21 797
	lb	48,006	48,309	47,950	48,096	48,400	48,040

* Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3★★ TB516 tires, standard counterweight, full fluids, and 75 kg (165 lb) operator.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets

Linkage		Standard Linkage					
Bucket Type		**General Purpose – Pin-On**					
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**	**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**
Capacity – Rated	m^3	4.00	4.00	3.80	4.20	4.20	4.00
	yd^3	5.25	5.25	5.00	5.50	5.50	5.25
Capacity – Rated at 110% Fill Factor	m^3	4.40	4.40	4.20	4.60	4.60	4.40
	yd^3	5.75	5.75	5.50	6.00	6.00	5.75
Width	mm	3220	3301	3271	3220	3301	3271
	ft/in	10'6"	10'9"	10'8"	10'6"	10'9"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3085	2909	2932	3018	2849	2864
	ft/in	10'1"	9'6"	9'7"	9'10"	9'4"	9'4"
17† Reach at Maximum Lift and 45° Discharge	mm	1289	1420	1428	1343	1480	1480
	ft/in	4'2"	4'7"	4'8"	4'4"	4'10"	4'10"
Reach at Level Lift Arm and Bucket Level	mm	2705	2919	2910	2793	3008	2998
	ft/in	8'10"	9'6"	9'6"	9'1"	9'10"	9'10"
A† Digging Depth	mm	97	97	67	97	97	67
	in	3.8"	3.8"	2.6"	3.8"	3.8"	2.6"
12† Overall Length	mm	8914	9167	9139	9001	9245	9227
	ft/in	29'3"	30'1"	30'0"	29'7"	30'4"	30'4"
B† Overall Height with Bucket at Maximum Lift	mm	5915	5915	5915	5915	5915	5915
	ft/in	19'5"	19'5"	19'5"	19'5"	19'5"	19'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7489	7599	7575	7511	7617	7597
	ft/in	24'7"	25'0"	24'11"	24'8"	25'0"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	15 366	15 128	15 404	15 176	14 971	15 220
	lb	33,868	33,344	33,951	33,449	32,996	33,546
Static Tipping Load, Straight (No tire deflection)	kg	16 353	16 112	16 391	16 156	15 947	16 200
	lb	36,043	35,511	36,126	35,608	35,149	35,705
Static Tipping Load, Articulated (With tire deflection)	kg	13 510	13 271	13 534	13 333	13 127	13 362
	lb	29,776	29,251	29,829	29,386	28,932	29,451
Static Tipping Load, Articulated (No tire deflection)	kg	14 500	14 258	14 522	14 316	14 107	14 344
	lb	31,959	31,425	32,008	31,553	31,093	31,616
Breakout Force (§)	kN	166	163	176	155	153	164
	lbf	37,318	36,764	39,744	34,872	34,412	36,996
Operating Weight*	kg	21 974	22 145	21 949	22 030	22 175	22 005
	lb	48,431	48,807	48,375	48,554	48,873	48,499

*Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3★★ TB516 tires, standard counterweight, full fluids, and 75 kg (165 lb) operator.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

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Linkage		Standard Linkage					
Bucket Type		**General Purpose – Hook-On – Fusion™**					
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**	**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**
Capacity – Rated	m^3	3.80	3.80	3.60	4.00	4.00	3.80
	yd^3	5.00	5.00	4.75	5.25	5.25	5.00
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.00	4.40	4.40	4.20
	yd^3	5.50	5.50	5.25	5.75	5.75	5.50
Width	mm	3220	3271	3271	3201	3201	3201
	ft/in	10'6"	10'8"	10'8"	10'6"	10'6"	10'6"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3065	2913	2913	3052	2897	2897
	ft/in	10'0"	9'6"	9'6"	10'0"	9'6"	9'6"
17† Reach at Maximum Lift and 45° Discharge	mm	1317	1456	1456	1320	1461	1461
	ft/in	4'3"	4'9"	4'9"	4'3"	4'9"	4'9"
Reach at Level Lift Arm and Bucket Level	mm	2738	2943	2943	2750	2958	2958
	ft/in	8'11"	9'7"	9'7"	9'0"	9'8"	9'8"
A† Digging Depth	mm	97	97	67	67	67	67
	in	3.8"	3.8"	2.6"	2.6"	2.6"	2.6"
12† Overall Length	mm	8947	9172	9172	8962	9191	9191
	ft/in	29'5"	30'2"	30'2"	29'5"	30'2"	30'2"
B† Overall Height with Bucket at Maximum Lift	mm	5830	5830	5830	5946	5946	5946
	ft/in	19'2"	19'2"	19'2"	19'7"	19'7"	19'7"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7511	7600	7600	7506	7574	7574
	ft/in	24'8"	25'0"	25'0"	24'8"	24'11"	24'11"
Static Tipping Load, Straight (With tire deflection)	kg	14 828	14 646	14 979	14 781	14 566	14 913
	lb	32,681	32,280	33,014	32,578	32,104	32,869
Static Tipping Load, Straight (No tire deflection)	kg	15 786	15 602	15 947	15 750	15 532	15 893
	lb	34,793	34,386	35,147	34,713	34,232	35,030
Static Tipping Load, Articulated (With tire deflection)	kg	12 998	12 816	13 135	12 951	12 736	13 068
	lb	28,649	28,247	28,950	28,546	28,071	28,802
Static Tipping Load, Articulated (No tire deflection)	kg	13 960	13 776	14 107	13 924	13 706	14 052
	lb	30,770	30,363	31,092	30,689	30,209	30,970
Breakout Force (§)	kN	161	160	172	170	168	169
	lbf	36,358	36,007	38,663	38,209	37,771	38,137
Operating Weight*	kg	22 337	22 475	22 312	22 385	22 547	22 381
	lb	49,231	49,535	49,175	49,336	49,693	49,327

*Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3★★ TB516 tires, standard counterweight, full fluids, and 75 kg (165 lb) operator.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets

Linkage		Standard Linkage					
		Pin-On					
Bucket Type		GC Flat Floor	Flat Floor – BGE – Abrasion	Flat Floor –	Flat Floor – Abrasion	Flat Floor – BGE – Abrasion	Flat Floor – BGE – Abrasion
Edge Type		Bolt-On Cutting Edges	FMT	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	FMT
Capacity – Rated	m^3	4.00	4.00	4.20	4.20	4.20	4.20
	yd^3	5.25	5.25	5.50	5.50	5.50	5.50
Capacity – Rated at 110% Fill Factor	m^3	4.40	4.40	4.60	4.60	4.60	4.60
	yd^3	5.75	5.75	6.00	6.00	6.00	6.00
Width	mm	2994	2994	2995	2995	2995	2996
	ft/in	9'9"	9'9"	9'9"	9'9"	9'9"	9'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2947	2786	2921	2929	2921	2723
	ft/in	9'8"	9'1"	9'7"	9'7"	9'7"	8'11"
17† Reach at Maximum Lift and 45° Discharge	mm	1258	1456	1291	1283	1291	1522
	ft/in	4'1"	4'9"	4'2"	4'2"	4'2"	4'11"
Reach at Level Lift Arm and Bucket Level	mm	2801	3054	2842	2831	2842	3146
	ft/in	9'2"	10'0"	9'3"	9'3"	9'3"	10'3"
A† Digging Depth	mm	102	67	97	97	97	72
	in	4.0"	2.6"	3.8"	3.8"	3.8"	2.8"
12† Overall Length	mm	9013	9245	9050	9039	9050	9335
	ft/in	29'7"	30'4"	29'9"	29'8"	29'9"	30'8"
B† Overall Height with Bucket at Maximum Lift	mm	5727	5771	6001	6041	6003	6075
	ft/in	18'10"	19'0"	19'9"	19'10"	19'9"	20'0"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7419	7477	7419	7416	7419	7492
	ft/in	24'5"	24'7"	24'5"	24'4"	24'5"	24'7"
Static Tipping Load, Straight (With tire deflection)	kg	15 496	15 532	14 994	14 873	14 546	14 466
	lb	34,154	34,234	33,048	32,780	32,061	31,884
Static Tipping Load, Straight (No tire deflection)	kg	16 460	16 511	15 954	15 836	15 498	15 433
	lb	36,278	36,390	35,162	34,903	34,159	34,015
Static Tipping Load, Articulated (With tire deflection)	kg	13 667	13 690	13 176	13 052	12 728	12 640
	lb	30,122	30,174	29,041	28,766	28,054	27,859
Static Tipping Load, Articulated (No tire deflection)	kg	14 635	14 672	14 140	14 019	13 685	13 611
	lb	32,255	32,339	31,166	30,899	30,162	29,999
Breakout Force (§)	kN	155	161	149	150	148	147
	lbf	34,990	36,215	33,659	33,770	33,333	33,050
Operating Weight*	kg	21 577	21 649	22 013	22 167	22 413	22 536
	lb	47,555	47,714	48,516	48,856	49,398	49,669

*Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3★★ TB516 tires, standard counterweight, full fluids, and 75 kg (165 lb) operator.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

966 GC Wheel Loader Specifications

Operating Specifications – Buckets

Linkage		Standard Linkage	
Bucket Type		**Flat Floor – Hook-On – Fusion**	**Flat Floor – Hook-On – Fusion – BGE**
Edge Type		**Bolt-On Cutting Edges**	**FMT**
Capacity – Rated	m^3	4.20	4.20
	yd^3	5.50	5.50
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60
	yd^3	6.00	6.00
Width	mm	2995	2996
	ft/in	9'9"	9'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	4289	4313
	ft/in	14'0"	14'1"
17† Reach at Maximum Lift and 45° Discharge	mm	2059	2409
	ft/in	6'9"	7'10"
Reach at Level Lift Arm and Bucket Level	mm	2897	3244
	ft/in	9'6"	10'7"
A† Digging Depth	mm	101	76
	in	4.0"	3.0"
12† Overall Length	mm	9108	9495
	ft/in	29'11"	31'2"
B† Overall Height with Bucket at Maximum Lift	mm	6022	6116
	ft/in	19'10"	20'1"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7423	7533
	ft/in	24'5"	24'9"
Static Tipping Load, Straight (With tire deflection)	kg	14 560	15 151
	lb	32,091	33,394
Static Tipping Load, Straight (No tire deflection)	kg	15 564	16 173
	lb	34,304	35,645
Static Tipping Load, Articulated (With tire deflection)	kg	12 717	13 297
	lb	28,028	29,306
Static Tipping Load, Articulated (No tire deflection)	kg	13 724	14 320
	lb	30,248	31,562
Breakout Force (§)	kN	140	143
	lbf	31,616	32,331
Operating Weight*	kg	22 729	22 188
	lb	50,094	48,902

*Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3★★ TB516 tires, standard counterweight, full fluids, and 75 kg (165 lb) operator.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets

Linkage		Standard Linkage		
Bucket Type		**Rock – Pin-On**		
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**
Capacity – Rated	m^3	3.20	3.20	3.00
	yd^3	4.25	4.25	4.00
Capacity – Rated at 110% Fill Factor	m^3	3.50	3.50	3.30
	yd^3	4.50	4.50	4.25
Width	mm	3252	3252	3252
	ft/in	10'8"	10'8"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3126	3022	3022
	ft/in	10'3"	9'10"	9'10"
17† Reach at Maximum Lift and 45° Discharge	mm	1435	1535	1535
	ft/in	4'8"	5'0"	5'0"
Reach at Level Lift Arm and Bucket Level	mm	2779	2921	2921
	ft/in	9'1"	9'7"	9'7"
A† Digging Depth	mm	78	78	78
	in	3.0"	3.0"	3.0"
12† Overall Length	mm	8996	9160	9160
	ft/in	29'7"	30'1"	30'1"
B† Overall Height with Bucket at Maximum Lift	mm	5896	5896	5896
	ft/in	19'5"	19'5"	19'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7529	7576	7576
	ft/in	24'9"	24'11"	24'11"
Static Tipping Load, Straight (With tire deflection)	kg	15 717	15 567	15 975
	lb	34,641	34,311	35,210
Static Tipping Load, Straight (No tire deflection)	kg	16 723	16 571	16 992
	lb	36,857	36,523	37,451
Static Tipping Load, Articulated (With tire deflection)	kg	13 800	13 649	14 045
	lb	30,415	30,084	30,955
Static Tipping Load, Articulated (No tire deflection)	kg	14 809	14 658	15 065
	lb	32,641	32,306	33,204
Breakout Force (§)	kN	174	173	175
	lbf	39,309	39,019	39,465
Operating Weight*	kg	22 888	22 999	22 768
	lb	50,445	50,690	50,180

*Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3★★ TB516 tires, standard counterweight, full fluids, and 75 kg (165 lb) operator.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

966 GC Wheel Loader Specifications

Operating Specifications – Buckets

Linkage			**Standard Linkage**
Bucket Type			**Coal – Pin-On**
Edge Type			**Bolt-On Cutting Edges**
	Capacity – Rated	m^3	7.10
		yd^3	9.25
	Capacity – Rated at 110% Fill Factor	m^3	7.80
		yd^3	10.25
	Width	mm	3447
		ft/in	11'3"
16†	Dump Clearance at Maximum Lift and 45° Discharge	mm	2652
		ft/in	8'8"
17†	Reach at Maximum Lift and 45° Discharge	mm	1538
		ft/in	5'0"
	Reach at Level Lift Arm and Bucket Level	mm	3207
		ft/in	10'6"
A†	Digging Depth	mm	113
		in	4.4"
12†	Overall Length	mm	9428
		ft/in	31'0"
B†	Overall Height with Bucket at Maximum Lift	mm	6098
		ft/in	20'1"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	7727
		ft/in	25'5"
	Static Tipping Load, Straight (With tire deflection)	kg	14 494
		lb	31,945
	Static Tipping Load, Straight (No tire deflection)	kg	15 508
		lb	34,180
	Static Tipping Load, Articulated (With tire deflection)	kg	12 673
		lb	27,932
	Static Tipping Load, Articulated (No tire deflection)	kg	13 690
		lb	30,174
	Breakout Force (§)	kN	115
		lbf	25,910
	Operating Weight*	kg	22 338
		lb	49,233

*Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3★★ TB516 tires, standard counterweight, full fluids, and 75 kg (165 lb) operator.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

Fork Specifications

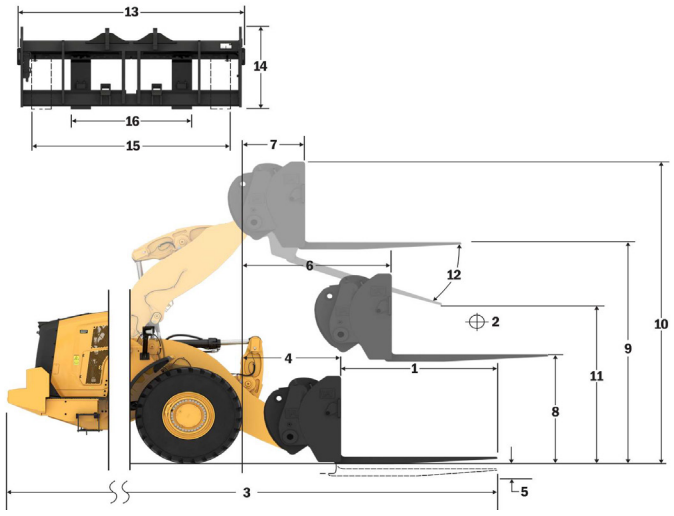
Fork Specifications

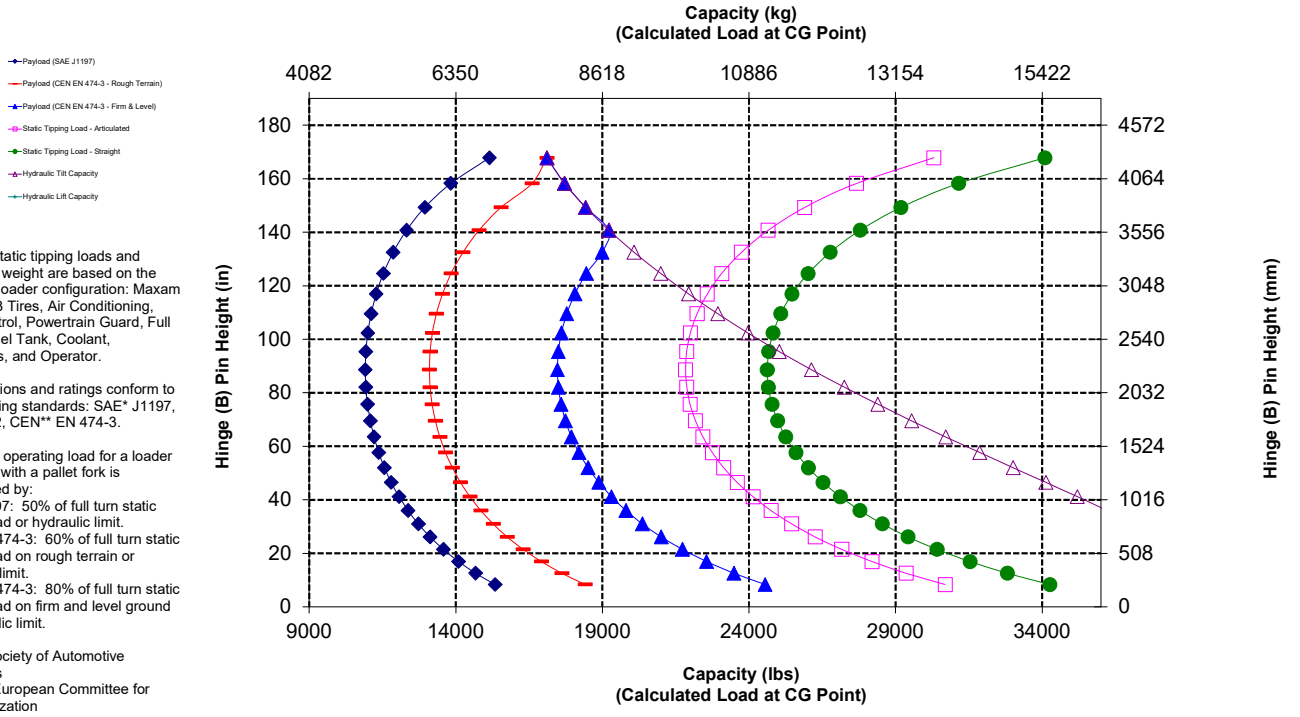
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11169 24617
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9905 21830
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4952 10915
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5943 13098
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7761 17105
3	Maximum Overall Length	mm in	9509 374.4
4	Reach with Forks at Ground Level	mm in	1106 43.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-149 -5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1687 66.4
7	Reach with Fork at Maximum Height	mm in	819 32.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1883 74.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3966 156.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4741 186.7
11	Clearance at Full Lift and Max Dump	mm in	2669 105.1
12	Max Discharge Angle from Horizontal	deg	43
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	6300 13885
	Operating Weight	kg lbs	21059 46413

*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION	87" Carriage	60" Tine
	530-1861	548-3265





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

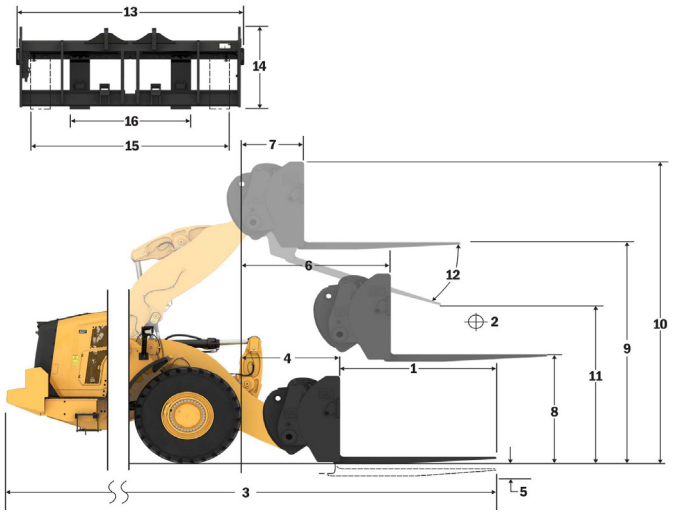
Fork Specifications

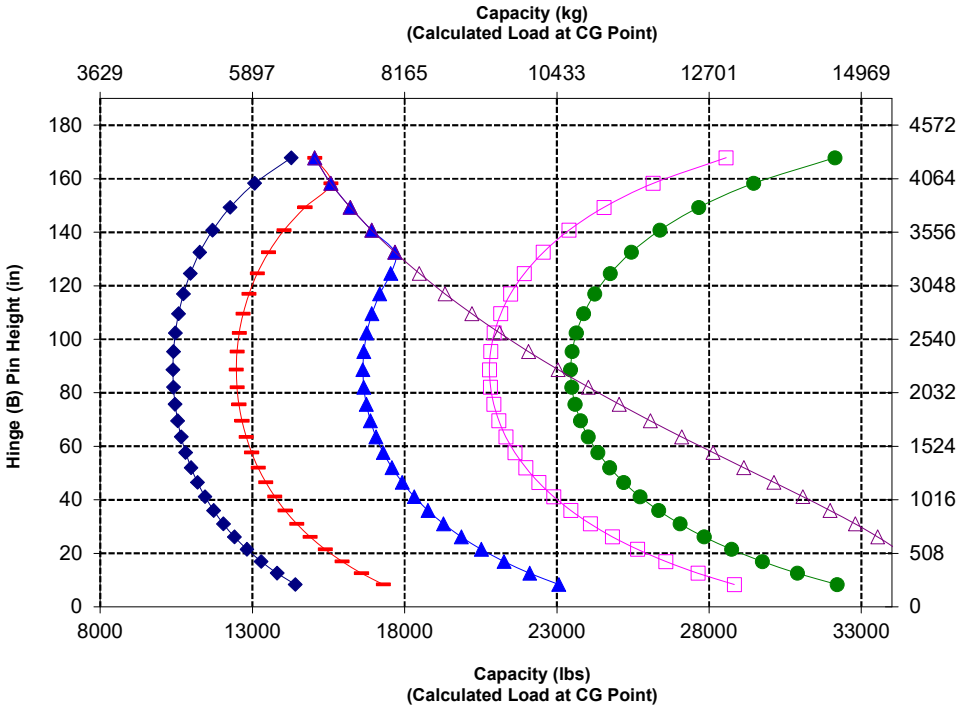
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10638 23445
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9428 20779
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4714 10390
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5657 12468
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6825 15041
3	Maximum Overall Length	mm in	9815 386.4
4	Reach with Forks at Ground Level	mm in	1106 43.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-149 -5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1687 66.4
7	Reach with Fork at Maximum Height	mm in	819 32.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1883 74.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3966 156.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4741 186.7
11	Clearance at Full Lift and Max Dump	mm in	2461 96.9
12	Max Discharge Angle from Horizontal	deg	43
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	21106 46517

*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION	87" Carriage	72" Tine
	530-1861	530-1869





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

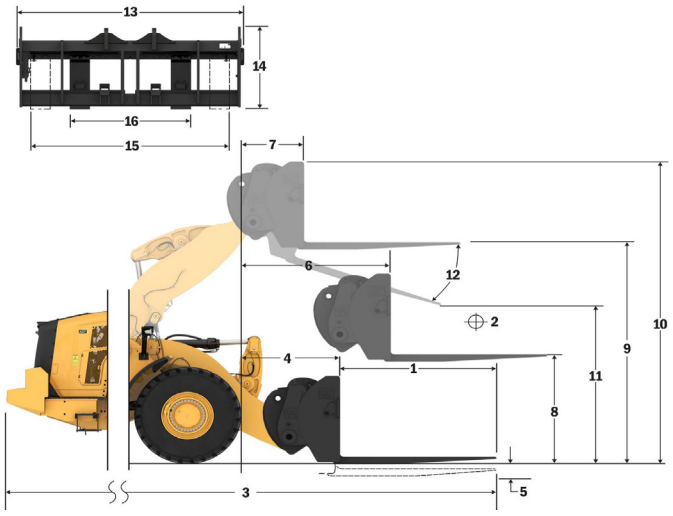
1	Tine Length	mm in	1219 48.0
2	Load Center	mm in	610 24.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11492 25329
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10164 22402
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5082 11201
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6098 13441
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8131 17921
3	Maximum Overall Length	mm in	9155 360.4
4	Reach with Forks at Ground Level	mm in	1057 41.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-70 -2.8
6	Reach with Arms Horizontal and Forks Level	mm in	1678 66.1
7	Reach with Fork at Maximum Height	mm in	811 31.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1987 78.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4070 160.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5110 201.2
11	Clearance at Full Lift and Max Dump	mm in	2837 111.7
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	22200 48929
	Operating Weight	kg lbs	21368 47094

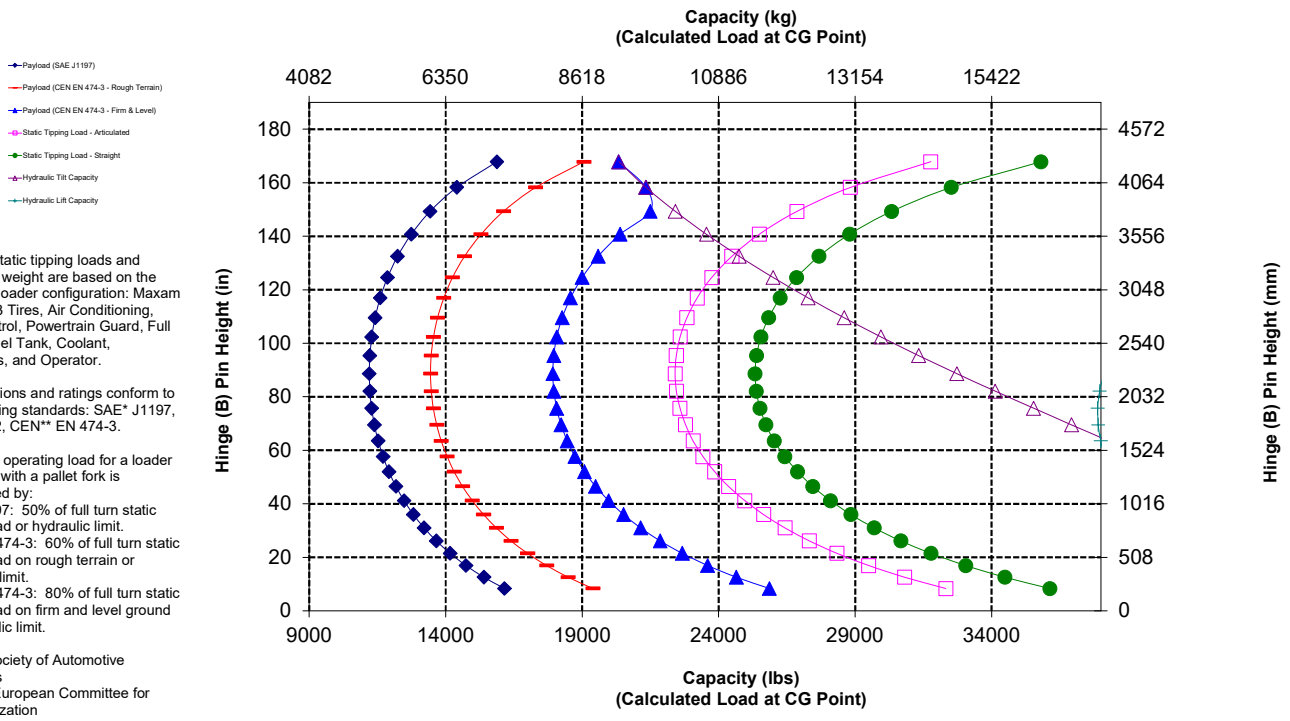
*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION

96" Carriage	48" Tine
520-7957	520-7985





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

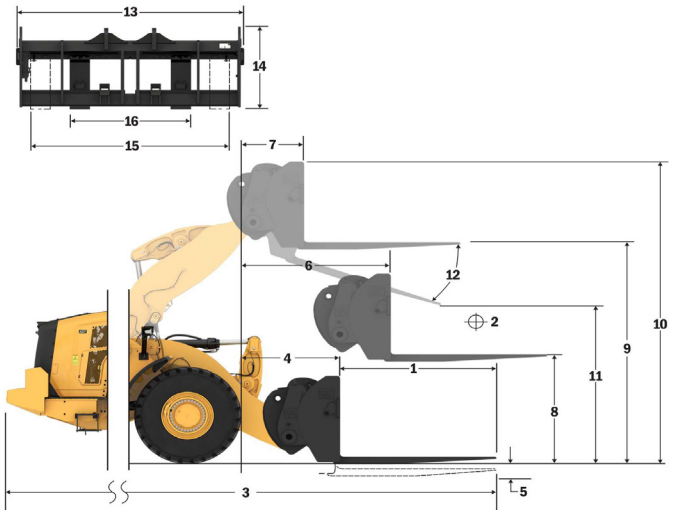
Fork Specifications

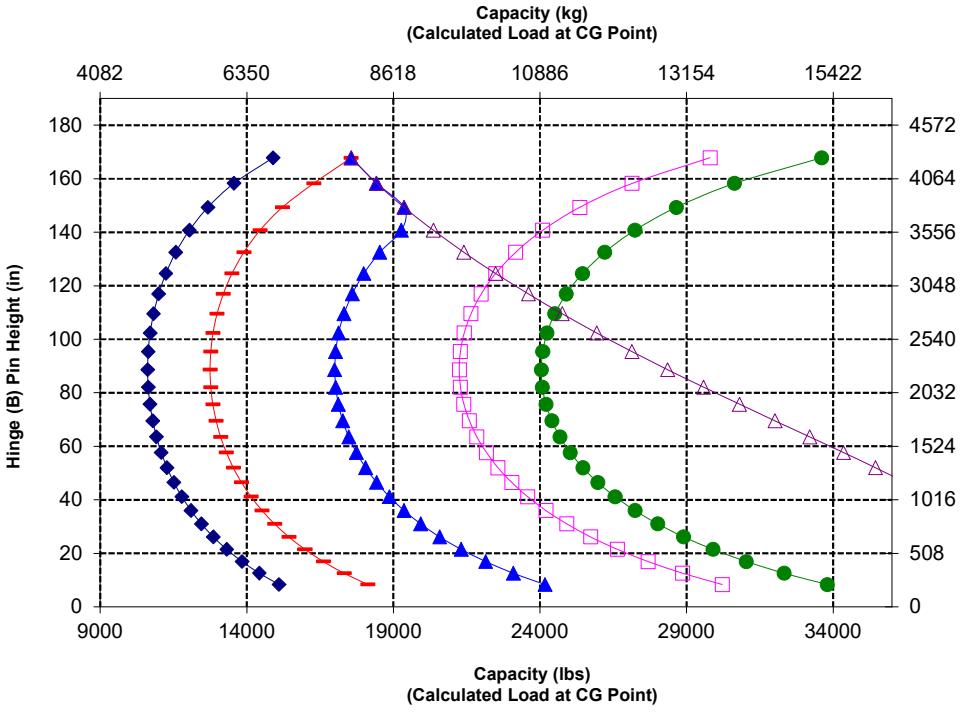
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10906 24037
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9638 21241
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4819 10621
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5783 12745
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7710 16993
3	Maximum Overall Length	mm in	9460 372.4
4	Reach with Forks at Ground Level	mm in	1057 41.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-70 -2.8
6	Reach with Arms Horizontal and Forks Level	mm in	1678 66.1
7	Reach with Fork at Maximum Height	mm in	811 31.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1987 78.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4070 160.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5110 201.2
11	Clearance at Full Lift and Max Dump	mm in	2606 102.6
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17800 39231
	Operating Weight	kg lbs	21434 47240

*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION	96" Carriage	60" Tine
	520-7957	520-7980





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

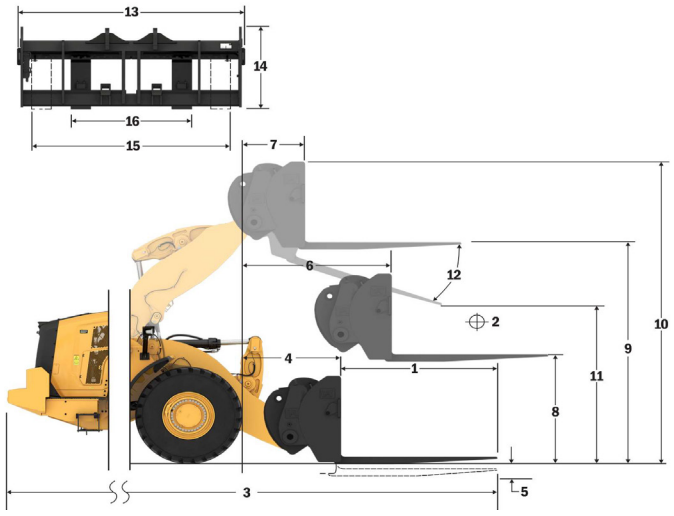
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10368 22851
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9155 20178
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4577 10089
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5493 12107
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6981 15387
3	Maximum Overall Length	mm in	9765 384.4
4	Reach with Forks at Ground Level	mm in	1057 41.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-70 -2.8
6	Reach with Arms Horizontal and Forks Level	mm in	1678 66.1
7	Reach with Fork at Maximum Height	mm in	811 31.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1987 78.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4070 160.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5110 201.2
11	Clearance at Full Lift and Max Dump	mm in	2376 93.5
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	21495 47374

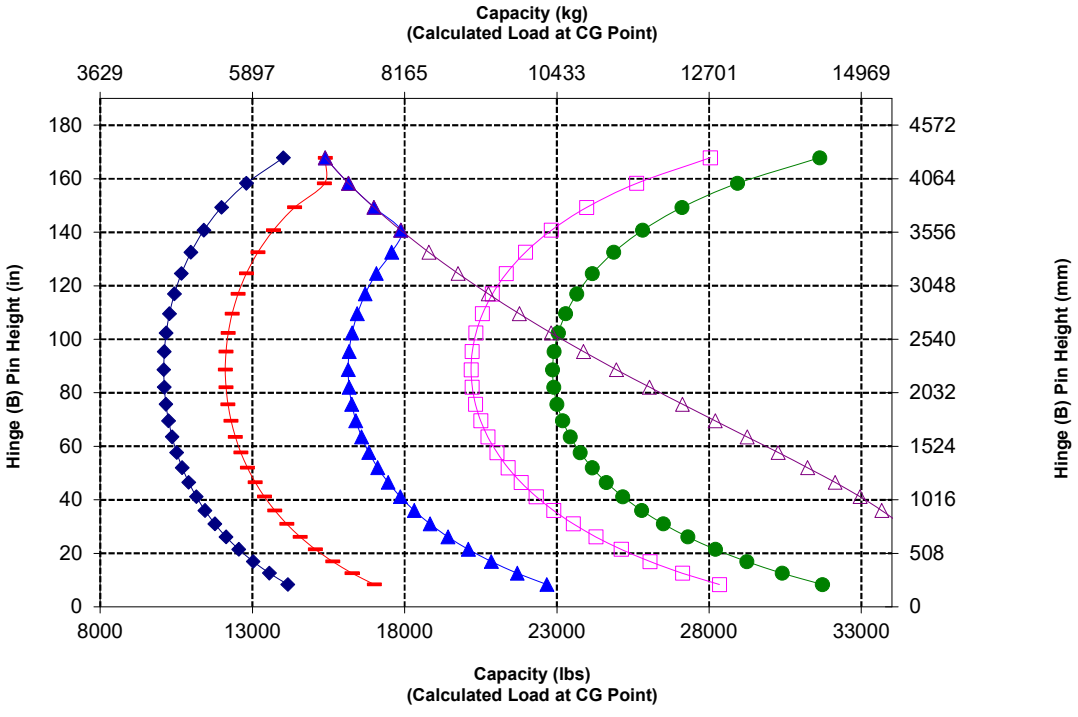
*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION

	96" Carriage	72" Tine
	520-7957	520-7979





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

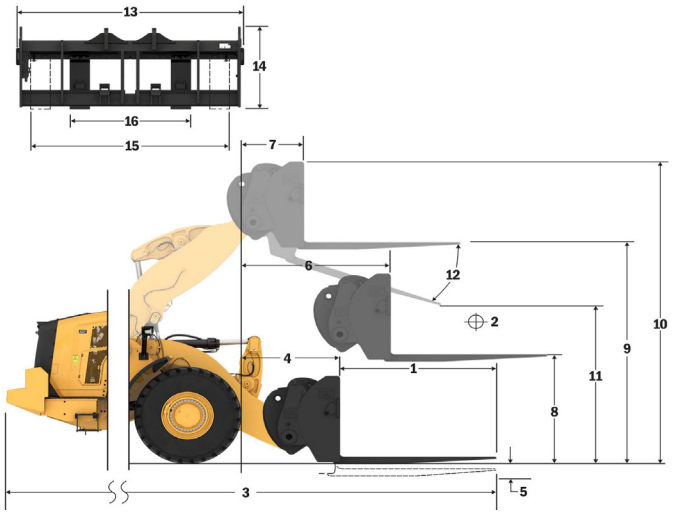
Fork Specifications

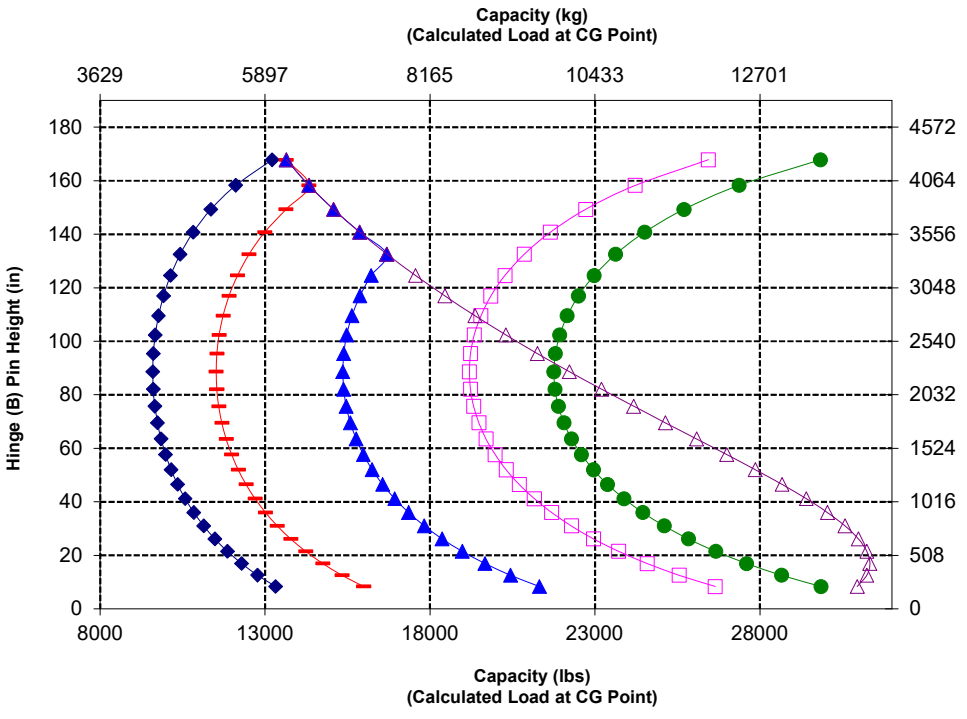
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9868 21750
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8706 19187
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4353 9594
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5223 11512
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6188 13637
3	Maximum Overall Length	mm in	10070 396.4
4	Reach with Forks at Ground Level	mm in	1057 41.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-70 -2.8
6	Reach with Arms Horizontal and Forks Level	mm in	1678 66.1
7	Reach with Fork at Maximum Height	mm in	811 31.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1987 78.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4070 160.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5110 201.2
11	Clearance at Full Lift and Max Dump	mm in	2145 84.5
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12700 27991
	Operating Weight	kg lbs	21558 47513

*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION	96" Carriage	84" Tine
	520-7957	520-7986





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

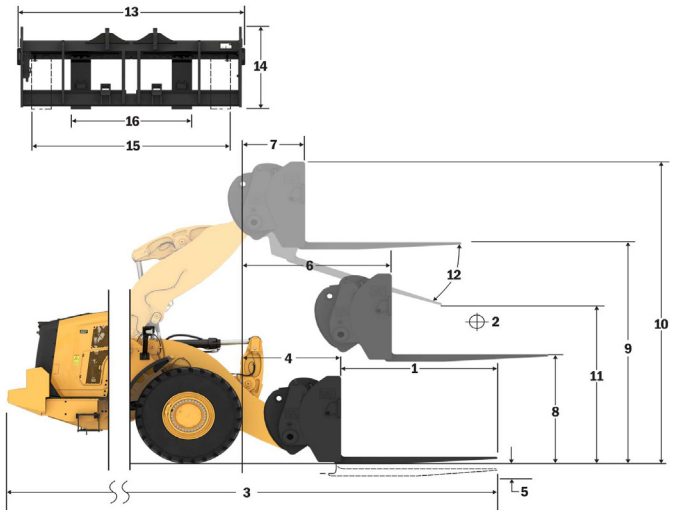
Fork Specifications

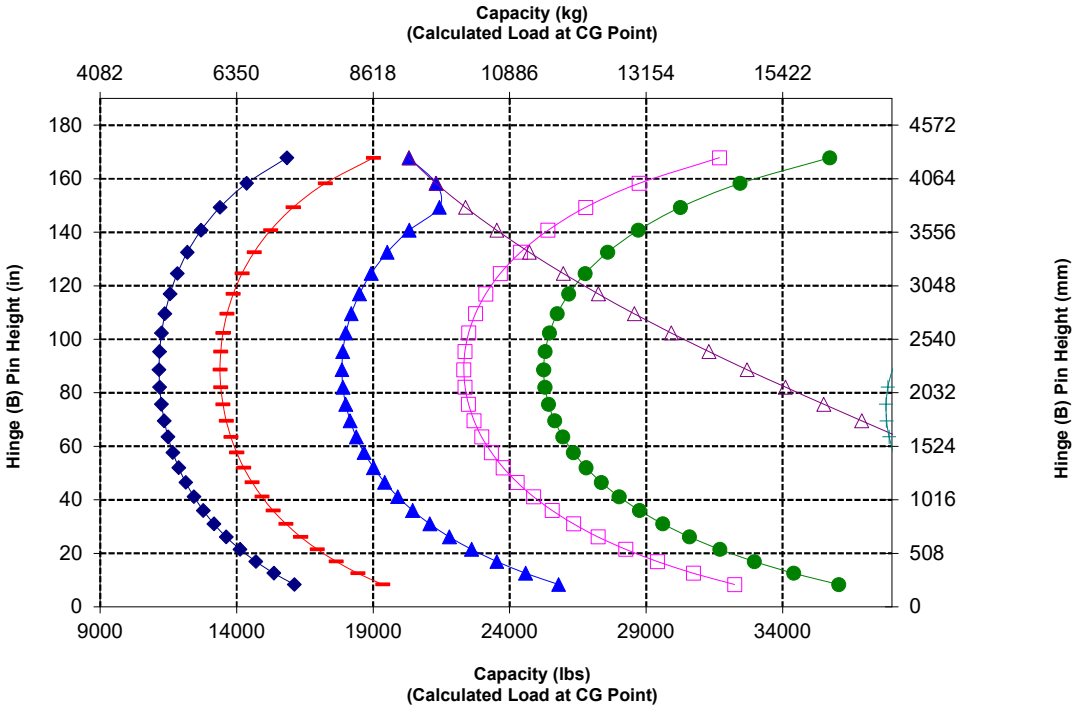
1	Tine Length	mm in	1219 48.0
2	Load Center	mm in	610 24.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11452 25240
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10124 22312
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5062 11156
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6074 13387
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8099 17850
3	Maximum Overall Length	mm in	9155 360.4
4	Reach with Forks at Ground Level	mm in	1057 41.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-70 -2.8
6	Reach with Arms Horizontal and Forks Level	mm in	1678 66.1
7	Reach with Fork at Maximum Height	mm in	811 31.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1987 78.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4070 160.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5110 201.2
11	Clearance at Full Lift and Max Dump	mm in	2837 111.7
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2493 98.1
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	22200 48929
	Operating Weight	kg lbs	21421 47211

*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION	108" Carriage	48" Tine
	520-7968	520-7985





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

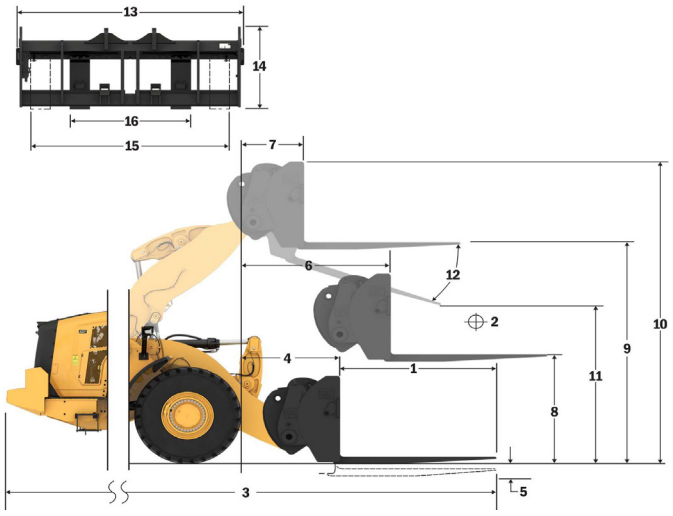
Fork Specifications

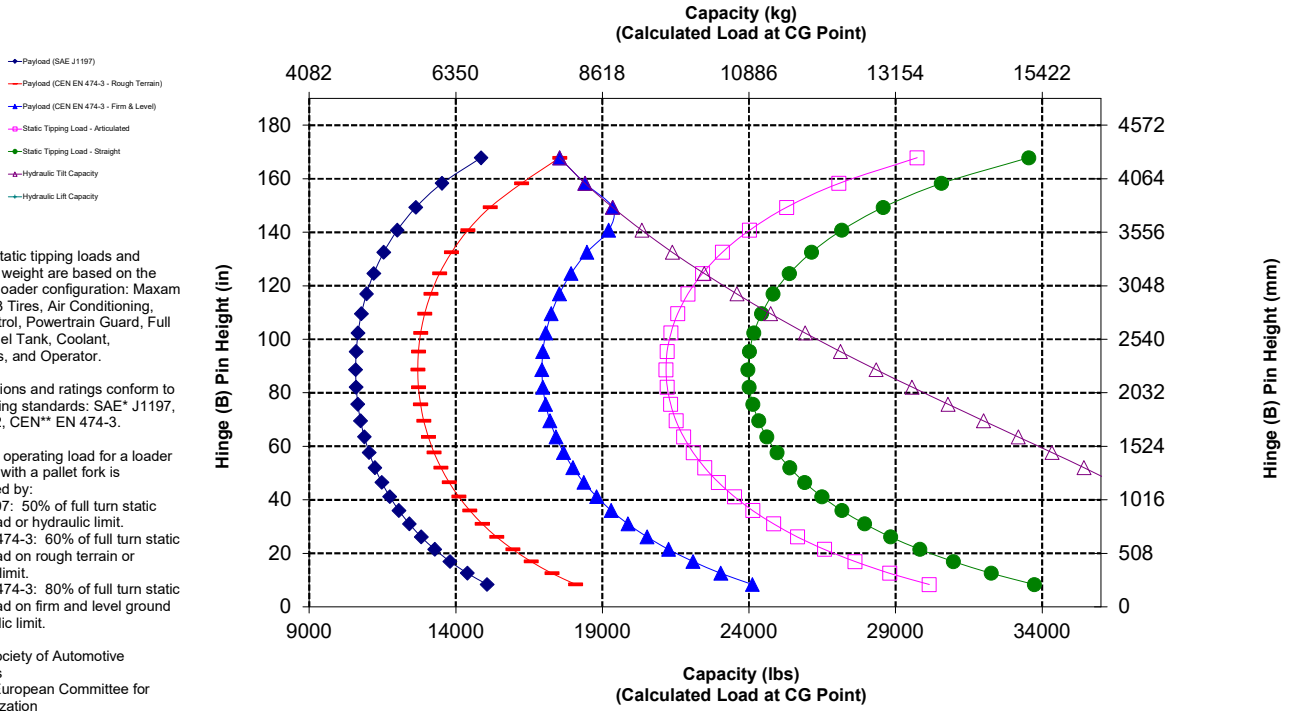
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10871 23959
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9603 21164
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4801 10582
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5762 12698
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7682 16931
3	Maximum Overall Length	mm in	9460 372.4
4	Reach with Forks at Ground Level	mm in	1057 41.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-70 -2.8
6	Reach with Arms Horizontal and Forks Level	mm in	1678 66.1
7	Reach with Fork at Maximum Height	mm in	811 31.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1987 78.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4070 160.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5110 201.2
11	Clearance at Full Lift and Max Dump	mm in	2606 102.6
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17800 39231
	Operating Weight	kg lbs	21483 47348

*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION	108" Carriage	60" Tine
	520-7968	520-7980





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

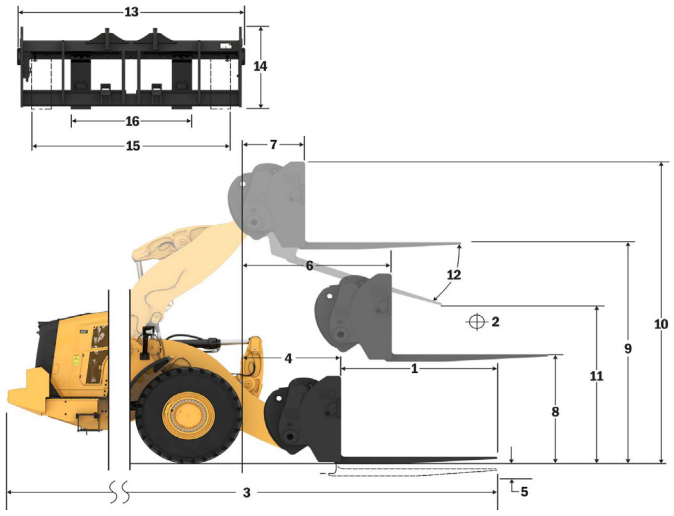
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10334 22775
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9120 20101
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4560 10051
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5472 12061
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6973 15369
3	Maximum Overall Length	mm in	9765 384.4
4	Reach with Forks at Ground Level	mm in	1057 41.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-70 -2.8
6	Reach with Arms Horizontal and Forks Level	mm in	1678 66.1
7	Reach with Fork at Maximum Height	mm in	811 31.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1987 78.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4070 160.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5110 201.2
11	Clearance at Full Lift and Max Dump	mm in	2376 93.5
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	21545 47484

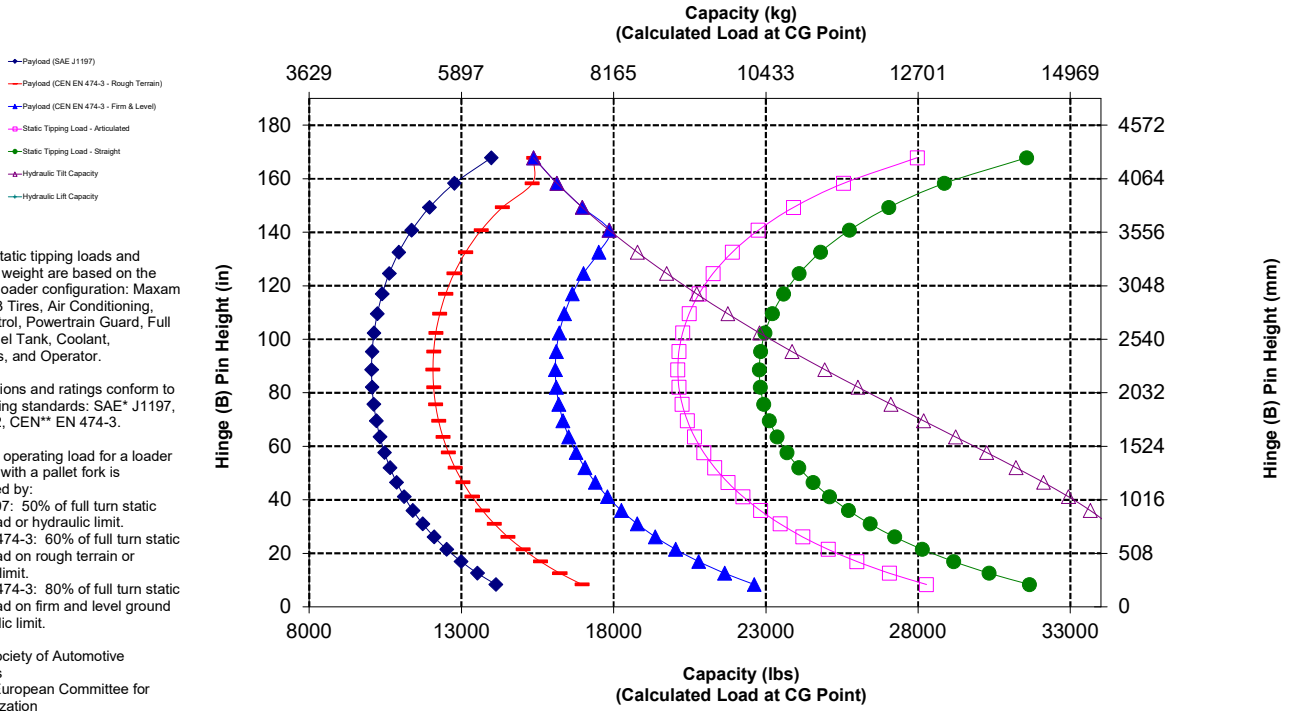
*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION

108" Carriage	72" Tine
520-7968	520-7979





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

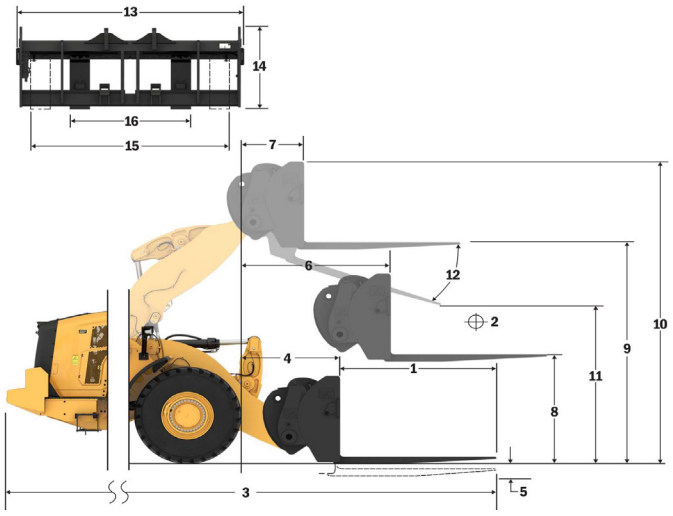
Fork Specifications

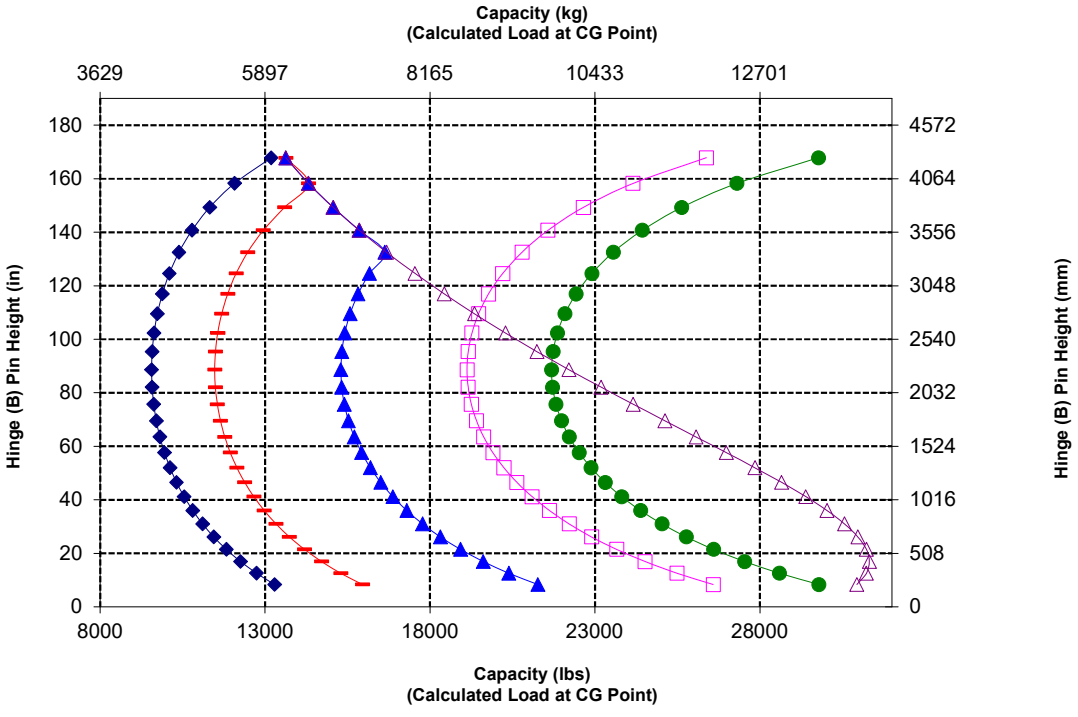
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9836 21679
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8673 19116
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4337 9558
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5204 11470
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6181 13623
3	Maximum Overall Length	mm in	10070 396.4
4	Reach with Forks at Ground Level	mm in	1057 41.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-70 -2.8
6	Reach with Arms Horizontal and Forks Level	mm in	1678 66.1
7	Reach with Fork at Maximum Height	mm in	811 31.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1987 78.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4070 160.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5110 201.2
11	Clearance at Full Lift and Max Dump	mm in	2145 84.5
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12700 27991
	Operating Weight	kg lbs	21607 47621

*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION	108" Carriage	84" Tine
	520-7968	520-7986





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

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Fork Specifications

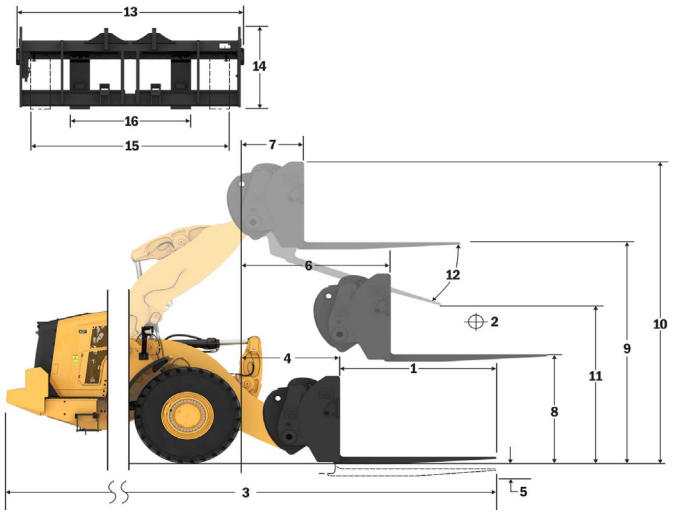
Fork Specifications

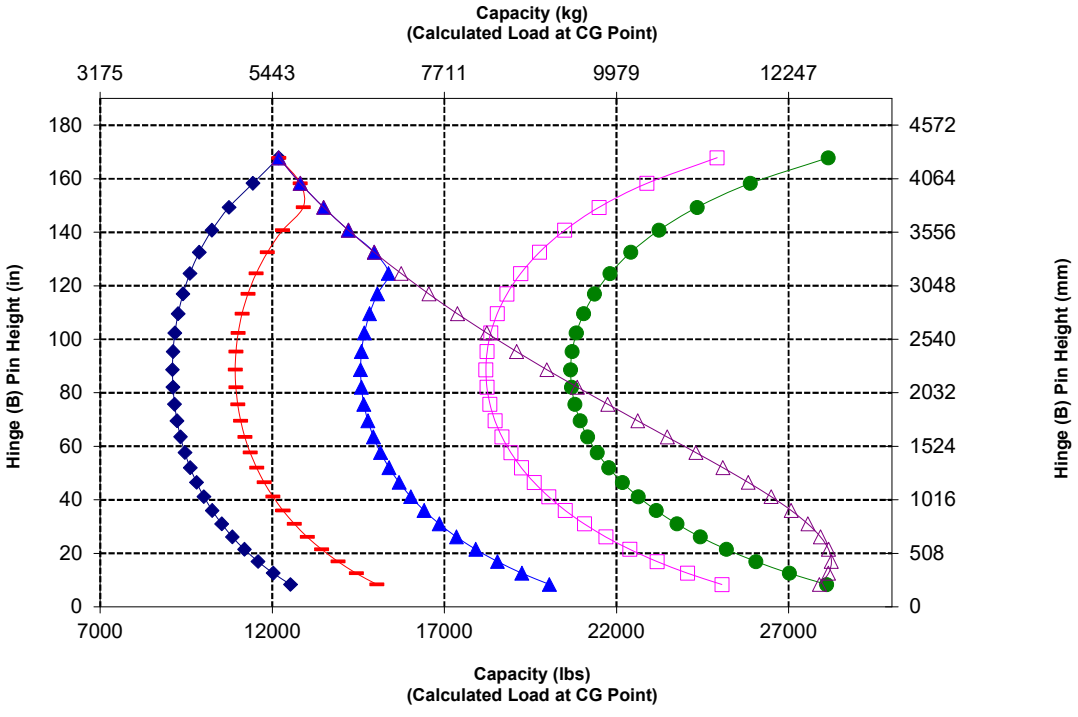
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9374 20661
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8258 18200
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4129 9100
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4955 10920
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5529 12185
3	Maximum Overall Length	mm in	10374 408.4
4	Reach with Forks at Ground Level	mm in	1057 41.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-70 -2.8
6	Reach with Arms Horizontal and Forks Level	mm in	1678 66.1
7	Reach with Fork at Maximum Height	mm in	811 31.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1987 78.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4070 160.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5110 201.2
11	Clearance at Full Lift and Max Dump	mm in	1916 75.4
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	21670 47760

*Negative values indicate below grade

966 GC S5

Pallet Fork, FUSION	108" Carriage	96" Tine
	520-7968	520-7981





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Maxam MS302 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
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**CEN - European Committee for Standardization

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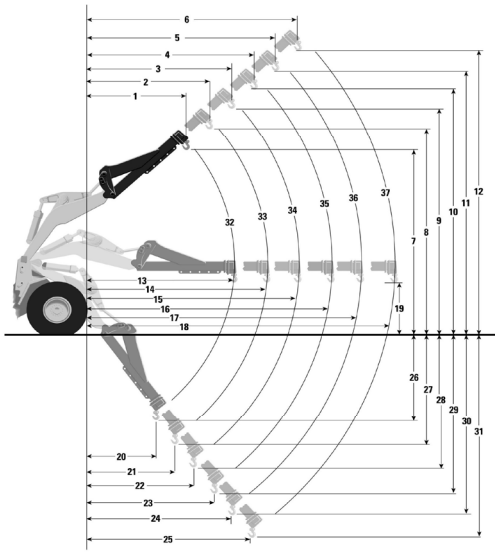
Material Handling Arm Specifications

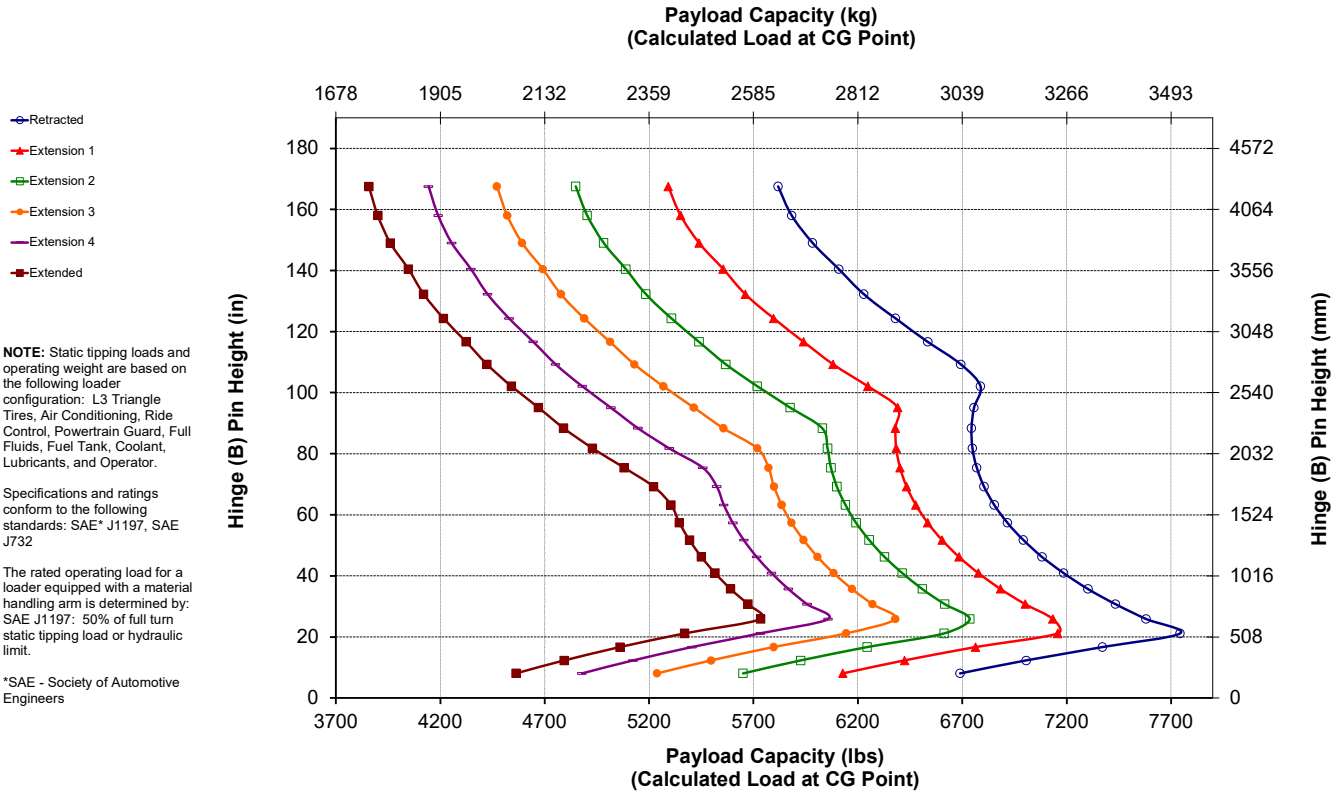
966 GC STD

Fusion Material Handling Arm 6Pos

289-9885



MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	mm	1,817	1,930	2,043	2,156	2,269	2,382
	ft, in	5' 11"	6' 3"	6' 8"	7' 0"	7' 5"	7' 9"
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	mm	7,228	7,511	7,794	8,077	8,360	8,643
	ft, in	23' 8"	24' 7"	25' 6"	26' 5"	27' 5"	28' 4"
Level - Hook Reach (13, 14, 15, 16, 17, 18)	mm	4,547	4,852	5,156	5,461	5,766	6,071
	ft, in	14' 11"	15' 11"	16' 11"	17' 11"	18' 11"	19' 11"
Level - Hook Height (19)	mm	1,947	1,947	1,947	1,947	1,947	1,947
	ft, in	6' 4.6"	6' 4.6"	6' 4.6"	6' 4.6"	6' 4.6"	6' 4.6"
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	mm	1,714	1,846	1,977	2,108	2,239	2,371
	ft, in	5' 7"	6' 0"	6' 5"	6' 10"	7' 4"	7' 9"
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	mm	(2,861)	(3,136)	(3,411)	(3,686)	(3,961)	(4,236)
	ft, in	-9' 7"	-10' 8"	-11' 9"	-12' 10"	-12' 0"	-13' 1"
Static Tipping Load, Straight	kg	6,922	6,548	6,211	5,907	5,630	5,377
	lb	15,257	14,432	13,690	13,019	12,408	11,851
Static Tipping Load, Articulated	kg	6,136	5,803	5,504	5,233	4,987	4,762
	lb	13,523	12,790	12,131	11,534	10,992	10,496
Operating Weight	kg	20,616	20,616	20,616	20,616	20,616	20,616
	lb	45,438	45,438	45,438	45,438	45,438	45,438



NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Triangle Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732

The rated operating load for a loader equipped with a material handling arm is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit.

*SAE - Society of Automotive Engineers

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
OPERATOR ENVIRONMENT		
Air conditioning (HVAC) with 10 vents and filter unit located outside of cab	✓	
Bucket/work tool function lockout	✓	
Switch, transmission neutralizer lockout	✓	
Cab, pressurized and sound suppressed	✓	
Camera, rearview	✓	
Cat® Payload (kit)		✓
Coat hook	✓	
Computerized monitoring system	✓	
Cup holders and personal tray on right console and behind seat	✓	
Horn	✓	
Mirrors, rearview external with integrated spot mirror	✓	
Pilot hydraulic controls, lift and tilt function; two (2) single axis levers or joystick	✓	
12V power port (10A)	✓	
Radio ready	✓	
Radio		✓
ROPS/FOPS structure	✓	
Seat, Cat Comfort (cloth), mechanical suspension	✓	
Seat, air suspended		✓
Steering column, adjustable angle	✓	
Window, sliding (left and right sides)	✓	
Wipers/washers (front and rear)	✓	
POWER TRAIN		
Axles, Open/Open differentials	✓	
Axles, limited slip differential(s)		✓
Axles, oil cooler		✓
Brakes, full hydraulic enclosed wet-disc	✓	
Cat C9.3B	✓	
Engine Idle Management System (EIMS)	✓	
Auto Idle Shutdown (AIS)	✓	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	✓	
Fan, reversing automatic and manual control		✓
Filter, fuel primary/secondary/tertiary	✓	
Filters, engine air, primary/secondary	✓	
Fuel priming pump (electric)	✓	
Fuel/water separator	✓	
Radiator, unit core (9.5 fpi) with ATAAC	✓	
Torque converter	✓	
Transmission, powershift (4F/4R), automatic (2-4) with kick-down function, overspeed protection	✓	
LINKAGE		
Fusion™ quick coupler control with dual kick outs		✓
Lift and bucket return-to-dig kickouts (electro-magnetic), mechanical adjustment	✓	
Z-bar, cast tilt lever	✓	

	Standard	Optional
HYDRAULICS		
Dedicated brake and fan pump	✓	
Dedicated load sensing steering pump	✓	
Load sensing implement system pilot operated	✓	
Quick coupler control		✓
Ride control		✓
S O·S℠ oil sampling valves	✓	
3rd function with additional dedicated single axis lever		✓
ELECTRICAL		
Alarm, back-up variable/main disconnect switch	✓	
Alternator (145-amp, brush type)	✓	
Batteries, maintenance free (2×1,125 CCA)	✓	
Ignition key; start/stop	✓	
Lighting system: 4 halogen work lights, cab mounted	✓	
Lighting system: 8 halogen work lights, cab mounted		✓
Lighting system: 4 LED work lights, cab mounted		✓
Lighting system: 8 LED work lights, cab mounted		✓
Lights: warning beacon		✓
Roading lights with high/low beam and F and R turn signals	✓	
Starter, electric (heavy duty)	✓	
Starting and charging system, 24V	✓	
ADDITIONAL EQUIPMENT		
Autolube system		✓
Camera, front view (kit)**		✓
Cold weather starting basic (ether starting aid)		✓
Cold weather starting full (HD batteries 2×1,400 CCA, ether system, jacket water heater, cold weather fluids)		✓
Counterweight, 605 kg (1,334 lb)	✓	
Fenders (front) steel	✓	
Fender rear extensions or roading		✓
Grill, airborne debris	✓	
Hitch, drawbar with pin	✓	
Hood, metallic on steel structure	✓	
Doors, service access (locking)	✓	
L3 radial or bias ply tires	✓	
L5 traction tires		✓
Power train guard		✓
Precleaner, strata tubes	✓	
Precleaner, strata tubes with screen		✓
Product Link™ ready	✓	
Reverse Stobe (kit)***		✓
Roading Certification****		✓
Secondary steering system, electrical*		✓
Toolbox		✓
Window cleaning (kit)		✓
Windshield guard		✓

* *Standard where mandated.*
** *Refer to M0106413 publication for usage reqiurements.*
*** *Not compatible with roading arrangements.*
**** *Offering depends on region.*

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.
For additional information, refer to the Technical Specifications brochures for the 966 GC model available at *www.cat.com* or your Cat dealer.

966 GC Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit https://www.caterpillar.com/en/company/sustainability.

Engine

- The Cat® C9.3B engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Tier 5, China Nonroad Stage IV and Japan 2014 (Tier 4 Final) emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
  - ✓ 20% biodiesel FAME (fatty acid methyl ester)*
  - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

  Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

**Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.*

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.7 kg (3.7 lb) of refrigerant which has a CO2 equivalent of 2.431 metric tonnes (2.679 tons).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  - – Barium < 0.01%
  - – Cadmium < 0.01%
  - – Chromium < 0.01%
  - – Lead < 0.01%

Sound Performance

With cooling fan speed at maximum value:

Operator Sound Pressure Level (ISO 6396:2008) – 75 dB(A)
Exterior Sound Power Level (ISO 6395:2008) – 110 dB(A)
Exterior Sound Power Level (SAE J88:2013) – 78 dB (A)

With cooling fan speed at 70% of maximum value*:

Operator Sound Pressure Level (ISO 6396:2008) – 73 dB(A)
Exterior Sound Power Level (ISO 6395:2008) – 108 dB(A)**

* For machines in European Union countries and in countries that adopt the "EU Directives."

** European Union Directive "2000/14/EC" as amended by "2005/88/EC."

- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - – Engine Idle Management System and Auto Engine Idle Shutdown reduces idle RPM and maximize fuel efficiency
  - – Variable speed fan adjusts to meet machine cooling requirements to help save fuel
  - – Load sensing hydraulics produce flow and pressure on-demand and only in amounts necessary to perform the needed functions

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For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

AEXQ3412-01 (7-2022)
Replaces AEXQ3412-00
Build number: 01A
(N Am, Europe, S Korea,
China, Japan)