966 GC

Wheel Loader

Technical Specifications

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

Table of Contents

966 GC Wheel Loader Specifications

Engine

Engine Model	Cat® C9.3B	
Engine Power @ 2,200 rpm ISO 14396:2002	219 kW	294 hp
ISO 14396:2002 (DIN)	298 hp (metric)	
Gross Power @ 2,200 rpm SAE J1995:2014	223 kW	299 hp
SAE J1995:2014 (DIN)	303 hp (metric)	
Net Power @ 2,200 rpm ISO 9249:2007, SAE J1349:2011	196 kW	263 hp
SAE J1349:2011 (DIN)	266 hp (metric)	
Engine Torque (1,200 rpm) ISO 14396:2002	1779 N·m	1,312 lbf-ft
Gross Torque (1,200 rpm) SAE J1995:2014	1797 N·m	1,325 lbf-ft
Net Torque (1,100 rpm) ISO 3294:2007, SAE J1349:2011, EEC 80/1269	1679 N·m	1,238 lbf-ft
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Displacement	9.30 L	568 in^3

- Cat engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and muffler.
- Cat engines are compatible with diesel fuel blended with following lower-carbon intensity fuels up to:
  - 100% biodiesel FAME (fatty acid methyl ester)*
  - 100% renewable diesel, HVO (hydrotreated 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.

  * For use of blends higher than 20% biodiesel, consult your Cat dealer.

Weights

Operating Weight	21 577 kg	47,569 lb

- Operating weight and static tipping loads shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3 ** TB516 tires, standard counterweight, full fluids, operator and 4.0 m^3 (5.25 yd^3) general purpose bucket with BOCE.

Operating Specifications

Static Tipping Load – Full 38° Turn		
With Tire Deflection	13 594 kg	29,970 lb
No Tire Deflection	14 568 kg	32,117 lb
Breakout Force	164 kN	36,869 lbf

- For a machine configuration as defined under "Weight."
- Full compliance to ISO 14397-1:2007 Sections 1 through 6, which requires 2% verification between calculations and testing.

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	13.2 km/h	8.2 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
Cooling System	53 L	14.0 gal
Crankcase	25 L	6.6 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	120 L	31.7 gal

Bucket Capacities

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

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

Steering System Pump Type	Piston	
Implement System		
Maximum Pump Output at 2,275 rpm	320 L/min	85 gal/min
Maximum Operating Pressure at 50 L/min (13.2 gal/min)	27 900 kPa	4,047 psi
Optional 3rd Function Maximum Pressure at 20 L/min (5.3 gal/min)	23 500 kPa	3,408 psi
Optional 3rd Function Maximum Flow	320 L/min	85 gal/min
Hydraulic Cycle Time		
Raise from Carry Position	6.5 Seconds	
Dump at Maximum Raise	2.7 Seconds	
Lower, Empty, Float Down	2.8 Seconds	
Total Cycle Time	12.0 Seconds	

Tires*

Choices include:
- Triangle 26.5-25 20PR L3 (TL612)
- Triangle 26.5R25 ★★ L3 (TB516)
- 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+)

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

Sound

Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	110 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)*
Exterior Sound Power Level	108 dB(A)**

*Including countries that adopt the EU and UK directives.
**EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701.

Cab

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

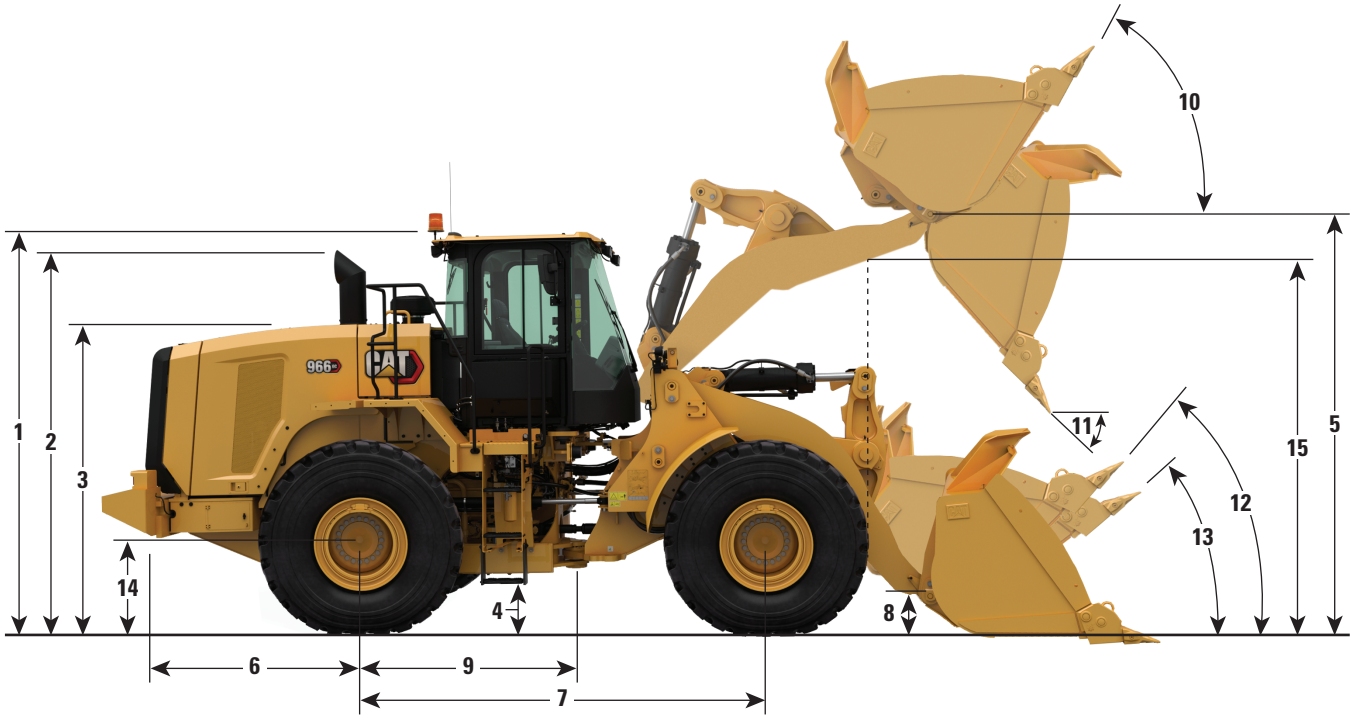
Brakes

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 Top of ROPS	3582 mm	11'8"
2	Height to Top of Exhaust Pipe	3539 mm	11'6"
3	Height to Top of Hood	2804 mm	9'2"
4	Ground Clearance	455 mm	1'5"
5	B-Pin Height	4256 mm	14'
6	Center Line of Rear Axle to Edge of Counterweight	2453 mm	8'
7	Wheelbase	3550 mm	11'6"
8	B-Pin Height at Carry	614 mm	2'
9	Center Line of Rear Axle to Hitch	1775 mm	5'9"
10	Rack Back at Maximum Lift	62 degrees	
11	Dump Angle at Maximum Lift	44 degrees	
12	Rack Back at Carry	50 degrees	
13	Rack Back at Ground	42 degrees	
14	Height to Center Line of Axle	819 mm	2'7"
15	Lift Arm Clearance	3705 mm	12'2"

Turning Radius

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

Turning Radius to Outside of Tires	6675 mm	21'11"
Turning Radius to Inside of Tires	3728 mm	12'3"
Width Over Tires – Loaded	3154 mm	10'4"
Width Over Tires – Unloaded	2873 mm	10'3"
Turning Radius to Outside Edge of Counterweight	6693 mm	22'0"

Tire Options*

Tire Brand	**Maxam**	**Bridgestone**	**Maxam**	**Triangle**	**Bridgestone**	**Triangle**
Tire Size	**26.5R25**	**26.5R25**	**26.5R25**	**26.5R25**	**23.5R25**	**26.5-25**
Tread Type	**L3**	**L3**	**L5**	**L5**	**L5**	**L3**
Tread Pattern	**MS302**	**VJT**	**MS503**	**TL538S+**	**VSDT**	**TL612**
Width over Tires – Maximum (unloaded)**	2966 mm 9'7"	2966 mm 9'7"	2955 mm 9'7"	2948 mm 9'7"	2973 mm 9'8"	2936 mm 9'6"
Width over Tires – Maximum (loaded)**	3006 mm 9'9"	3010 mm 9'9"	3000 mm 9'8"	2970 mm 9'7"	2999 mm 9'8"	2963 mm 9'7"
Change in Vertical Dimensions (average of front and rear)	7 mm 0.28"	–4 mm –0.16"	35 mm 1.37"	13 mm 0.51"	28 mm 1.10"	82 mm 3.23"
Change in Horizontal Reach	–2.0 mm –0.08"	6.5 mm 0.26"	–22.0 mm –0.87"	–29.0 mm –1.14"	–12.5 mm –0.49"	0 mm 0"
Change in Clearance Circle to Outside of Tires	–74.0 mm –2.91"	–72.0 mm –2.83"	–77.0 mm –3.03"	–92.0 mm –3.62"	–77.5 mm –3.05"	–95.5 mm –3.76"
Change in Clearance Circle to Inside of Tires	74.0 mm 2.91"	72.0 mm 2.83"	77.0 mm 3.03"	92.0 mm 3.62"	77.5 mm 3.05"	95.5 mm 3.76"
Change in Operating Weight (without Ballast)	–64 kg –141 lb	–180 kg –397 lb	652 kg 1,437 lb	656 kg 1,446 lb	764 kg 1,684 lb	–448 mm –988 lb

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

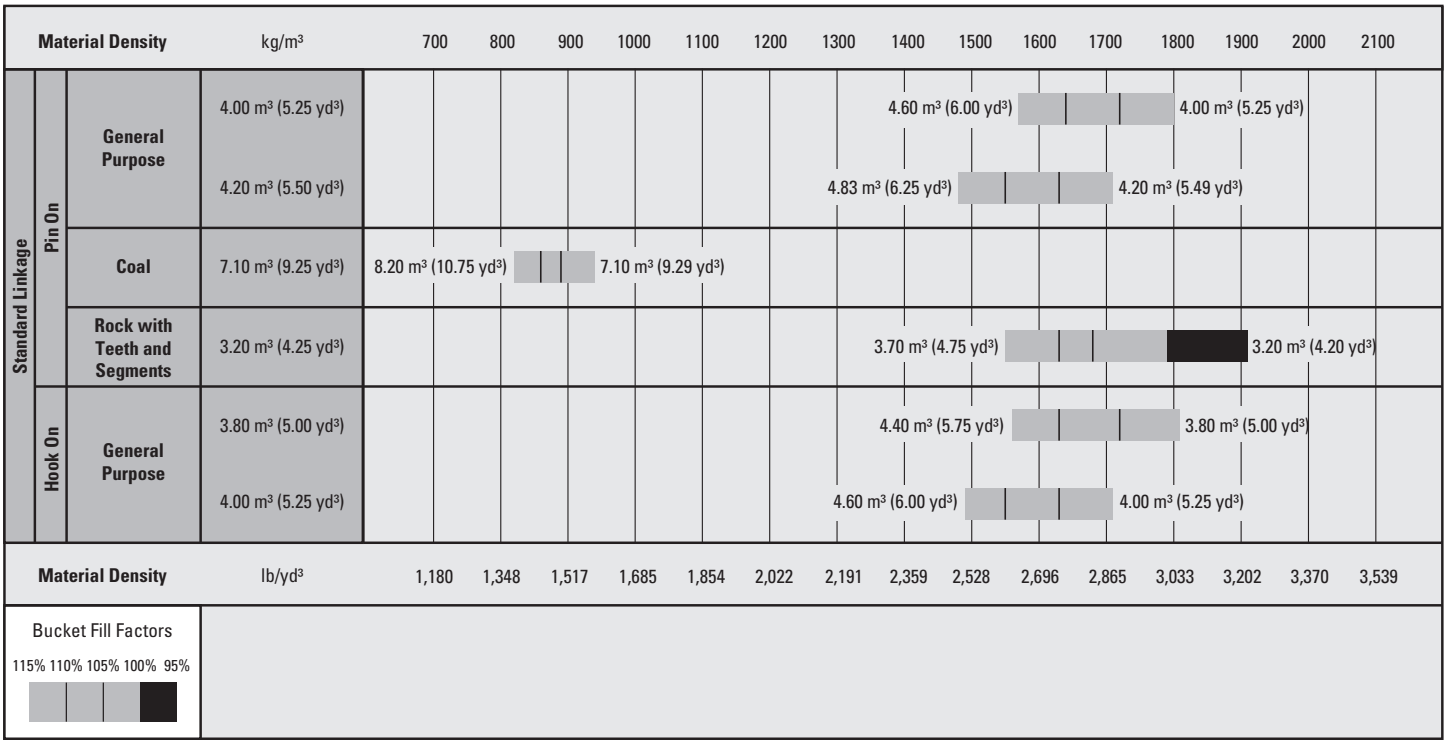
**Width over tire bulge and includes tire growth.

Bucket Fill Factors and Selection Chart

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		Material Density	Fill Factor (%)*
Earth/Clay		1500-1700 kg/m³ (2,528-2,865 lb/yd³)	115
Sand and Gravel		1500-1700 kg/m³ (2,528-2,865 lb/yd³)	115
Aggregate:	25-76 mm (1 to 3 in)	1600-1700 kg/m³ (2,696-2,865 lb/yd³)	110
	19 mm (0.75 in) and smaller	1800 kg/m³ (3,033 lb/yd³)	105
Rock:	76 mm (3 in) and larger	1600 kg/m³ (2,696 lb/yd³)	100

*As a % of ISO 7546:1983 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 unless otherwise noted.

Operating Specifications – Buckets

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	4.0	4.0	3.9	4.2	4.2	4.1
	yd^3	5.25	5.25	5.25	5.5	5.5	5.5
Capacity – 110% Rated	m^3	4.40	4.4	4.3	4.6	4.6	4.5
	yd^3	5.8	5.8	4.6	6.0	6.0	5.9
Width	mm	3220	3271	3271	3220	3271	3271
	ft/in	10'6"	10'7"	10'7"	10'6"	10'7"	10'7"
Dump Clearance at Maximum Lift and 45° Discharge	mm	3064.3	2912	2912	3035	2882	2882
	ft/in	10'1"	9'6"	9'6"	9'10"	9'5"	9'5"
Reach at Maximum Lift and 45° Discharge	mm	1302.0	1441	1441	1325	1463	1463
	ft/in	4'3"	4'7"	4'7"	4'3"	4'8"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2725.1	2930	2930	2763	2968	2968
	ft/in	8'9"	9'6"	9'6"	9'1"	9'7"	9'7"
Digging Depth	mm	105	105	75	105	105	75
	in	4.13"	4.13"	3.0"	4.13"	4.13"	3.0"
Overall Length	mm	8937	9163	9163	8975	9201	9201
	ft/in	29'3"	30'1"	30'1"	29'4"	30'2"	30'2"
Overall Height with Bucket at Maximum Lift	mm	5849	5849	5849	5888	5888	5888
	ft/in	19'2"	19'2"	19'2"	19'3"	19'3"	19'3"
Loader Clearance Circle with Bucket at Carry Position	mm	15 001	15 174	15 174	15 021	15 194	15 194
	ft/in	49'2"	49'8"	49'8"	49'3"	49'8"	49'8"
Static Tipping Load, Straight (With Tire Deflection)*	kg	15 472	15 289	15 494	15 405	15 221	15 419
	lb	34,110	33,706	34,158	33,962	33,557	33,993
Static Tipping Load, Straight (No Tire Deflection)*	kg	16 442	16 256	16 462	16 380	16 193	16 391
	lb	36,248	35,838	36,292	36,112	35,699	36,136
Static Tipping Load, Articulated (With Tire Deflection)*	kg	13 593	13 410	13 604	13 529	13 345	13 531
	lb	29,967	29,564	29,992	29,826	29,421	29,831
Static Tipping Load, Articulated (No Tire Deflection)*	kg	14 568	14 382	14 576	14 508	14 321	14 507
	lb	32,117	31,707	32,135	31,985	31,572	31,982
Breakout Force	kN	164	163	175	159	158	169
	lbf	36,869	36,644	39,342	35,745	35,520	37,993
Operating Weight*	kg	21 577	21 715	21 552	21 618	21 756	21 593
	lb	47,569	47,873	47,514	47,660	47,964	47,604

*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.

(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 *(continued)*

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	3.8	3.8	3.6	4.0	4.0	3.8
	yd^3	5.0	5.0	4.75	5.25	5.25	5.0
Capacity – 110% Rated	m^3	4.2	4.2	4	4.4	4.4	4.2
	yd^3	5.5	5.5	5.2	5.8	5.8	5.5
Width	mm	3220	3271	3271	3201	3201	3201
	ft/in	10'6"	10'7"	10'7"	10'5"	10'5"	10'5"
Dump Clearance at Maximum Lift and 45° Discharge	mm	3059	2907	2907	3046	2891	2891
	ft/in	10'	9'5"	9'5"	10'	9'5"	9'5"
Reach at Maximum Lift and 45° Discharge	mm	1318	1458	1458	1321	1463	1463
	ft/in	4'3"	4'8"	4'8"	4'3"	4'8"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2740	2945	2945	2751	2959	2959
	ft/in	8'9"	9'7"	9'7"	9'	9'7"	9'7"
Digging Depth	mm	105	105	75	75	75	75
	in	4.1"	4.1"	3"	3"	3"	3"
Overall Length	mm	8952	9177	9177	8967	9196	9196
	ft/in	29'4"	30'1"	30'1"	29'4"	30'2"	30'2"
Overall Height with Bucket at Maximum Lift	mm	5823	5823	5823	5939	5939	5939
	ft/in	19'1"	19'1"	19'1"	19'5"	19'5"	19'5"
Loader Clearance Circle with Bucket at Carry Position	mm	14 985	15 157	15 157	14 976	15 104	15 104
	ft/in	49'2"	49'7"	49'7"	49'1"	49'6"	49'6"
Static Tipping Load, Straight (With Tire Deflection)*	kg	14 810	14 628	14 961	14 761	14 546	14 893
	lb	32,650	32,249	32,983	32,543	32,068	32,833
Static Tipping Load, Straight (No Tire Deflection)*	kg	15 761	15 577	15 922	15 723	15 505	15 866
	lb	34,747	34,341	35,102	34,663	34,182	34,979
Static Tipping Load, Articulated (With Tire Deflection)*	kg	12 951	12 768	13 087	12 902	12 686	13 017
	lb	28,552	28,149	28,852	28,443	27,969	28,698
Static Tipping Load, Articulated (No Tire Deflection)*	kg	13 906	13 722	14 052	13 868	13 650	13 995
	lb	30,657	30,252	30,980	30,573	30,093	30,853
Breakout Force	kN	162	160	172	170	168	170
	lbf	36,419	35,969	38,667	38,218	37,768	38,218
Operating Weight*	kg	22 135	22 273	22 110	22 186	22 348	22 182
	lb	48,799	49,104	48,744	48,912	49,269	48,903

*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.

(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.

Hook on bucket data includes a quick coupler.

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

Operating Specifications – Buckets *(continued)*

Bucket Type		Pin On Coal	Pin On Rock
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	7.1	3.2
	yd^3	9.50	4.25
Capacity – 110% Rated	m^3	7.8	3.5
	yd^3	10.25	4.5
Width	mm	3447	3252
	ft/in	11' 31"	10' 7"
Dump Clearance at Maximum Lift and 45° Discharge	mm	2645.6	3035
	ft/in	8' 7"	9'11"
Reach at Maximum Lift and 45° Discharge	mm	1539.2	1529
	ft/in	5' 1"	5'
Reach at Level Lift Arm and Bucket Level	mm	3208.3	2914
	ft/in	10' 5"	9'7"
Digging Depth	mm	120.2	65.7
	in	4.73"	2.57"
Overall Length	mm	9432.9	9149
	ft/in	30' 9"	30'
Overall Height with Bucket at Maximum Lift	mm	6090.4	5909
	ft/in	19' 10"	19'5"
Loader Clearance Circle with Bucket at Carry Position	mm	15 453.8	15 149
	ft/in	50' 8"	48'8"
Static Tipping Load, Straight (With Tire Deflection)*	kg	14 479	15 511
	lb	31,921	34,196
Static Tipping Load, Straight (No Tire Deflection)*	kg	15 485	16 504
	lb	34,139	36,385
Static Tipping Load, Articulated (With Tire Deflection)*	kg	12 628	13 567
	lb	27,840	29,910
Static Tipping Load, Articulated (No Tire Deflection)*	kg	13 638	14 565
	lb	30,067	32,110
Breakout Force	kN	115.3	174
	lbf	25,920	39,117
Operating Weight*	kg	22 134	22 742
	lb	48,797	50,138

*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.

(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.

Rock buckets are equipped with Triangle TL538S+ tires.

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

Fork Specifications

Fork Specifications

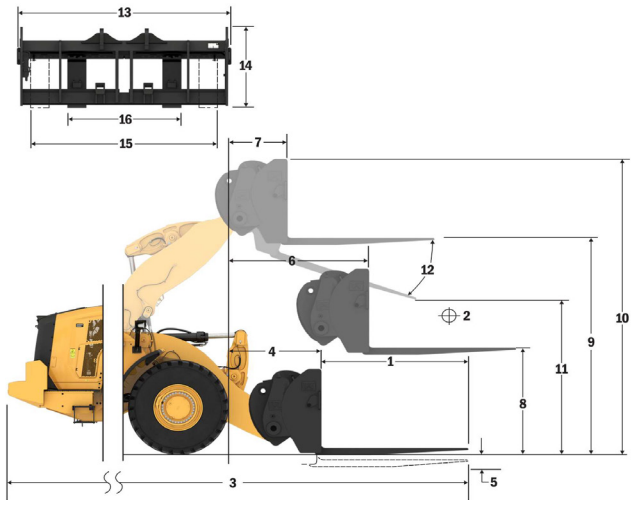
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11157 24589
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9872 21757
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4936 10878
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5923 13054
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7761 17105
3	Maximum Overall Length	mm in	9515 374.6
4	Reach with Forks at Ground Level	mm in	1113 43.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-156 -6.1
6	Reach with Arms Horizontal and Forks Level	mm in	1688 66.5
7	Reach with Fork at Maximum Height	mm in	820 32.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1876 73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3959 155.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4734 186.4
11	Clearance at Full Lift and Max Dump	mm in	2662 104.8
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	20855 45964

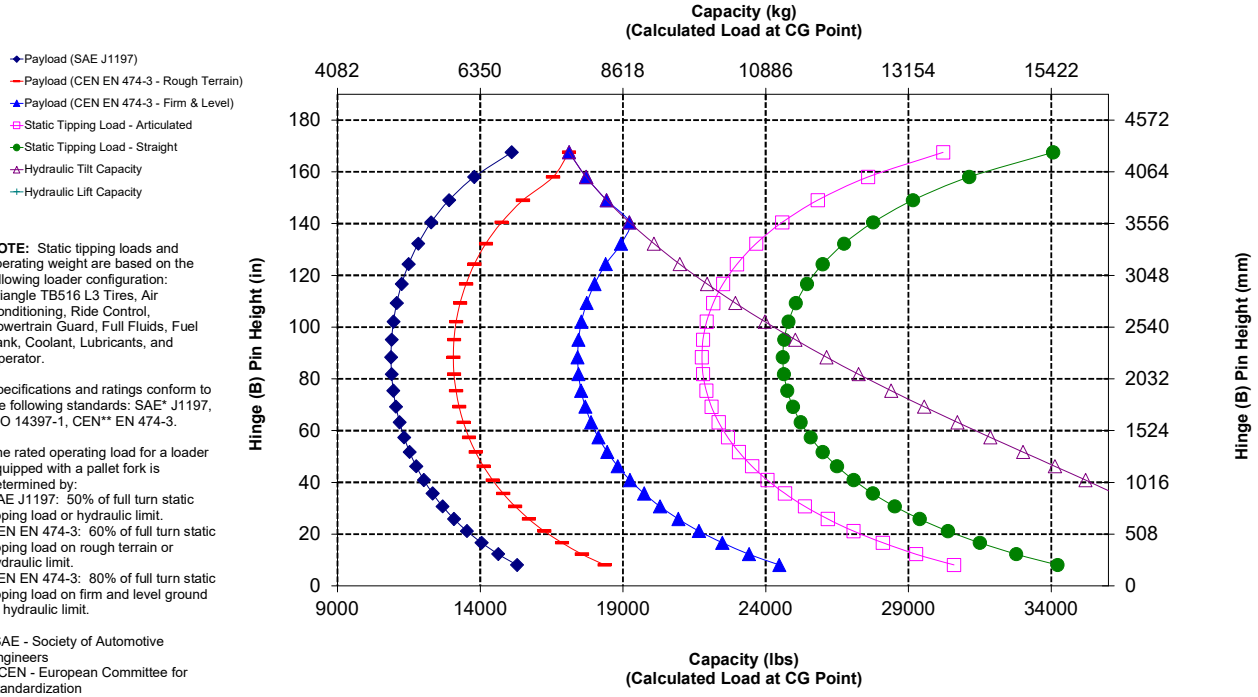
*Negative values indicate below grade

966 GC T3

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

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

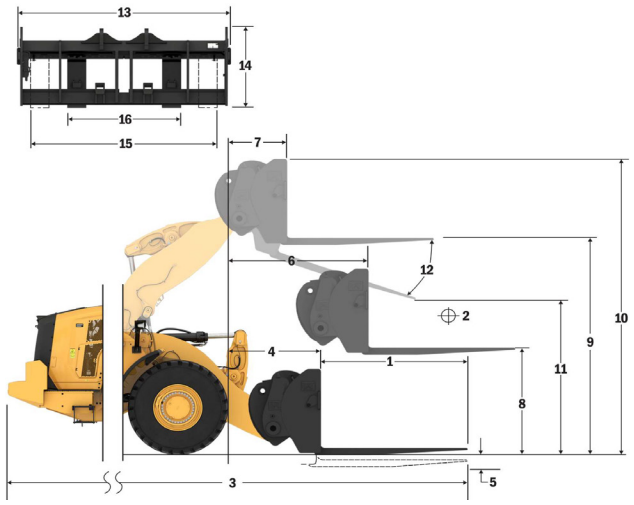
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10625 23418
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9396 20709
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4698 10355
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5638 12426
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6825 15041
3	Maximum Overall Length	mm in	9821 386.6
4	Reach with Forks at Ground Level	mm in	1113 43.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-156 -6.1
6	Reach with Arms Horizontal and Forks Level	mm in	1688 66.5
7	Reach with Fork at Maximum Height	mm in	820 32.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1876 73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3959 155.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4734 186.4
11	Clearance at Full Lift and Max Dump	mm in	2454 96.6
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	20902 46068

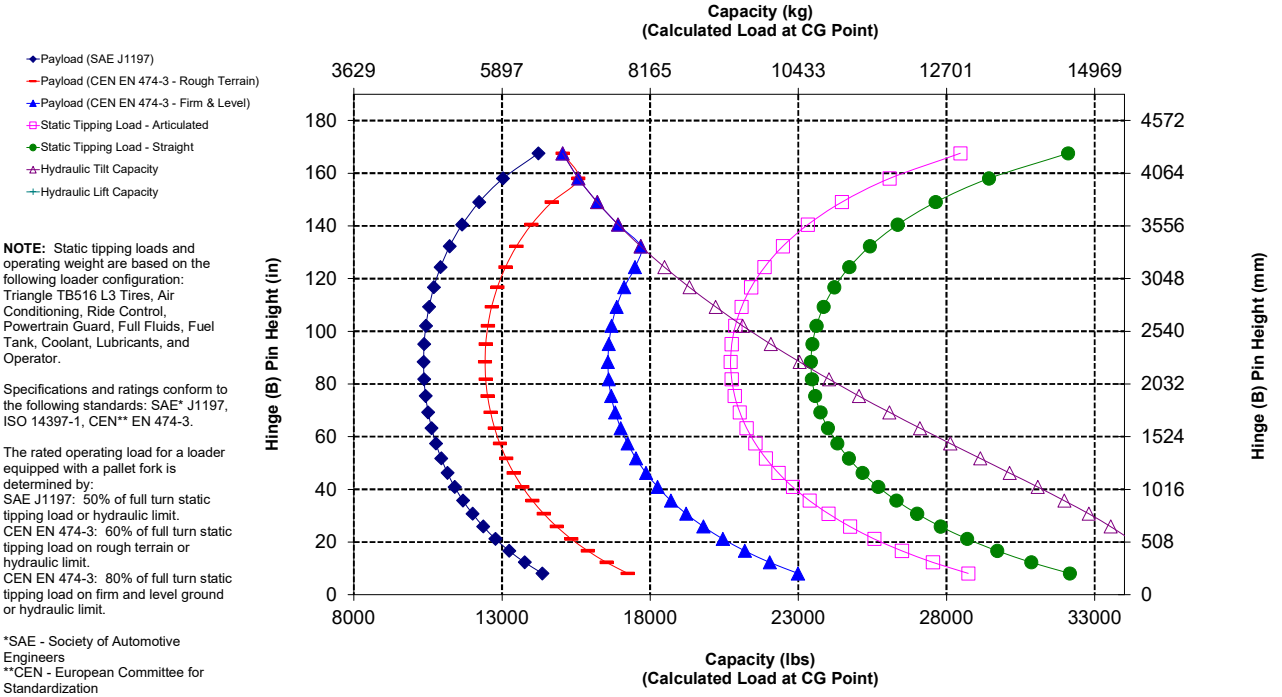
*Negative values indicate below grade

966 GC T3

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

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

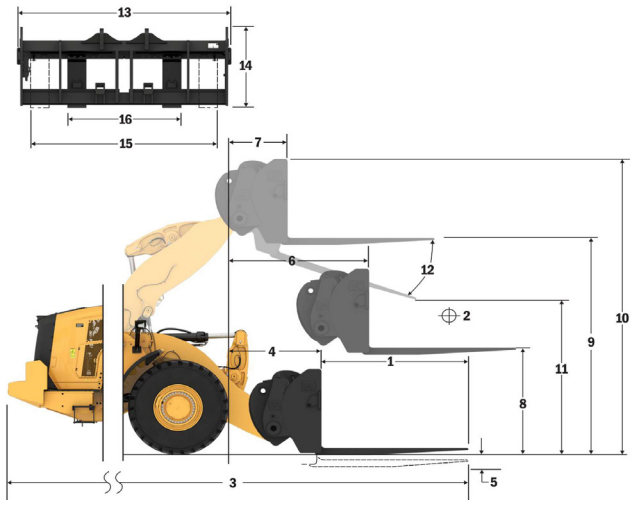
1	Tine Length	mm in	1219 48.0
2	Load Center	mm in	610 24.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11479 25300
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10129 22325
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5065 11163
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6078 13395
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8104 17860
3	Maximum Overall Length	mm in	9160 360.6
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	2830 111.4
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	21164 46645

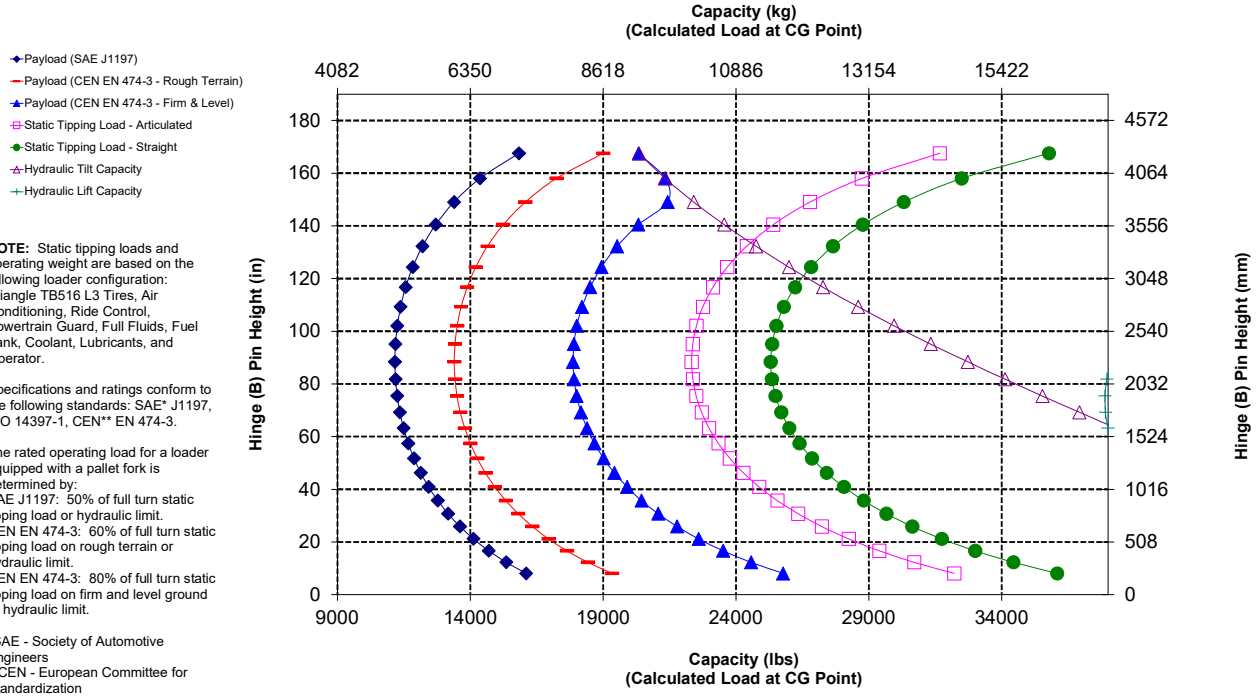
*Negative values indicate below grade

966 GC T3

Construction Fork, FUSION	96" Carriage	48" Tine
	520-7957	520-7985

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

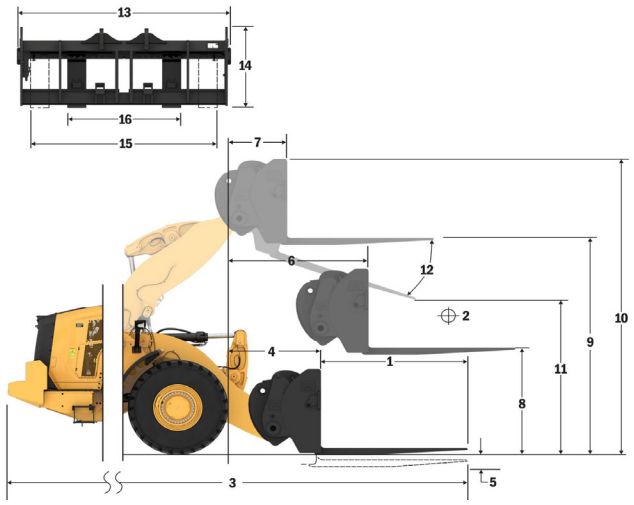
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10893 24009
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9604 21168
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4802 10584
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5763 12701
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7684 16934
3	Maximum Overall Length	mm in	9465 372.6
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	2599 102.3
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	21230 46791

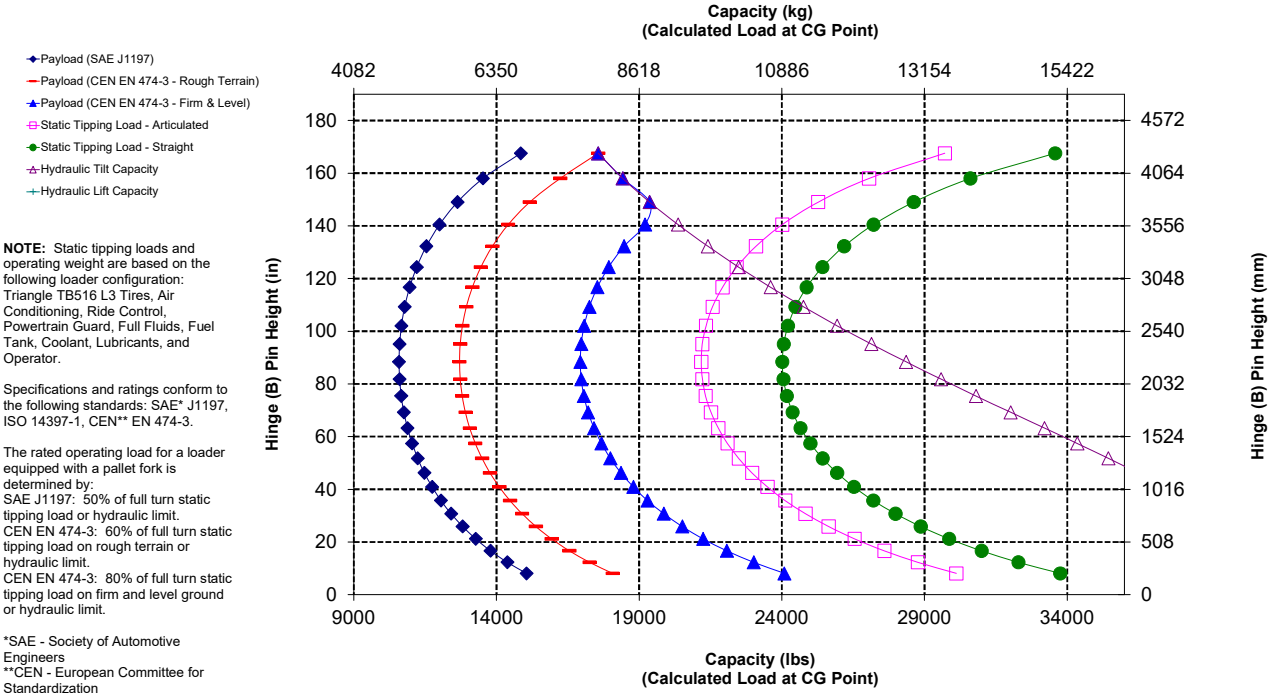
*Negative values indicate below grade

966 GC T3

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

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

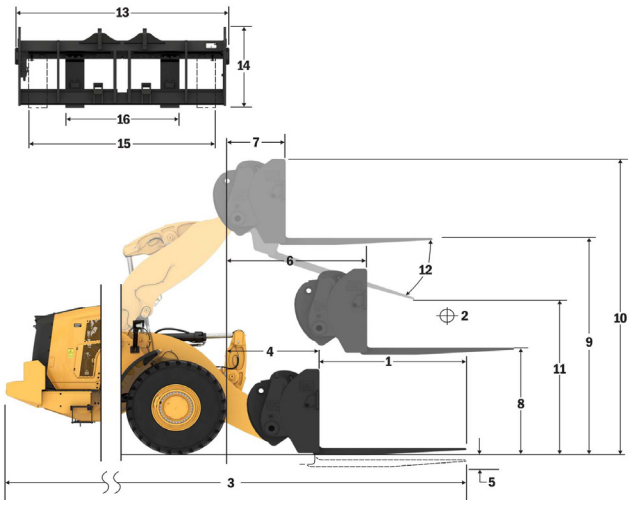
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10356 22825
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9123 20107
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4562 10054
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5474 12064
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6981 15387
3	Maximum Overall Length	mm in	9770 384.7
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	2369 93.3
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	21291 46925

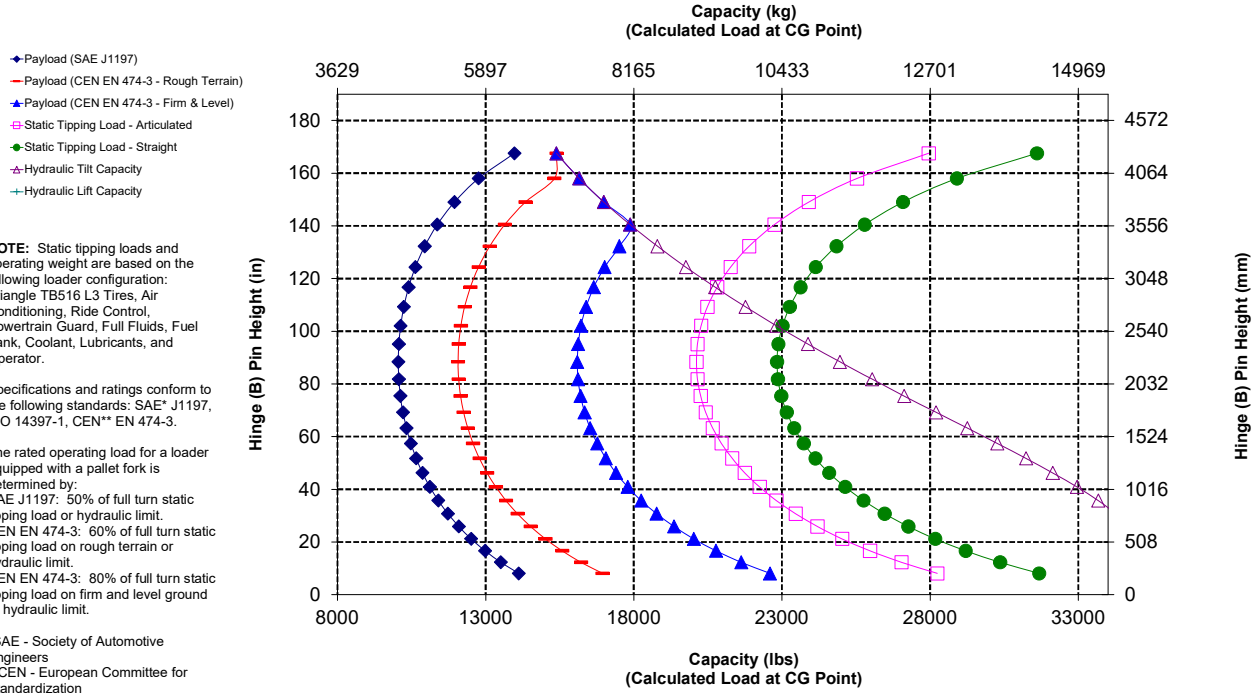
*Negative values indicate below grade

966 GC T3

Construction Fork, FUSION	96" Carriage	72" Tine
	520-7957	520-7979

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

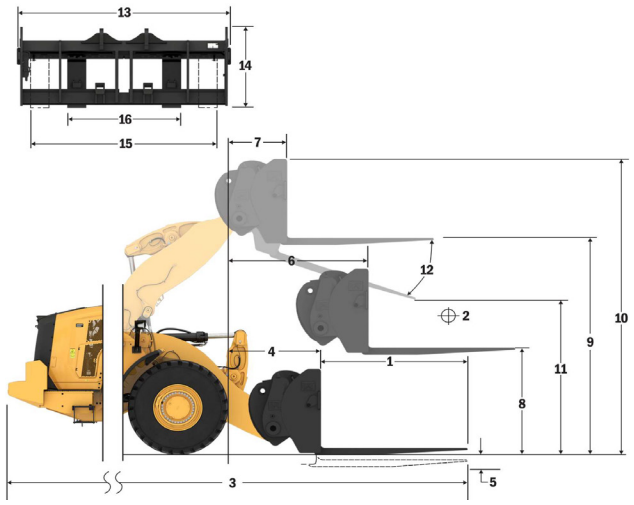
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9857 21724
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8675 19120
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4338 9560
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5205 11472
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6188 13637
3	Maximum Overall Length	mm in	10075 396.7
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	2138 84.2
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	21354 47064

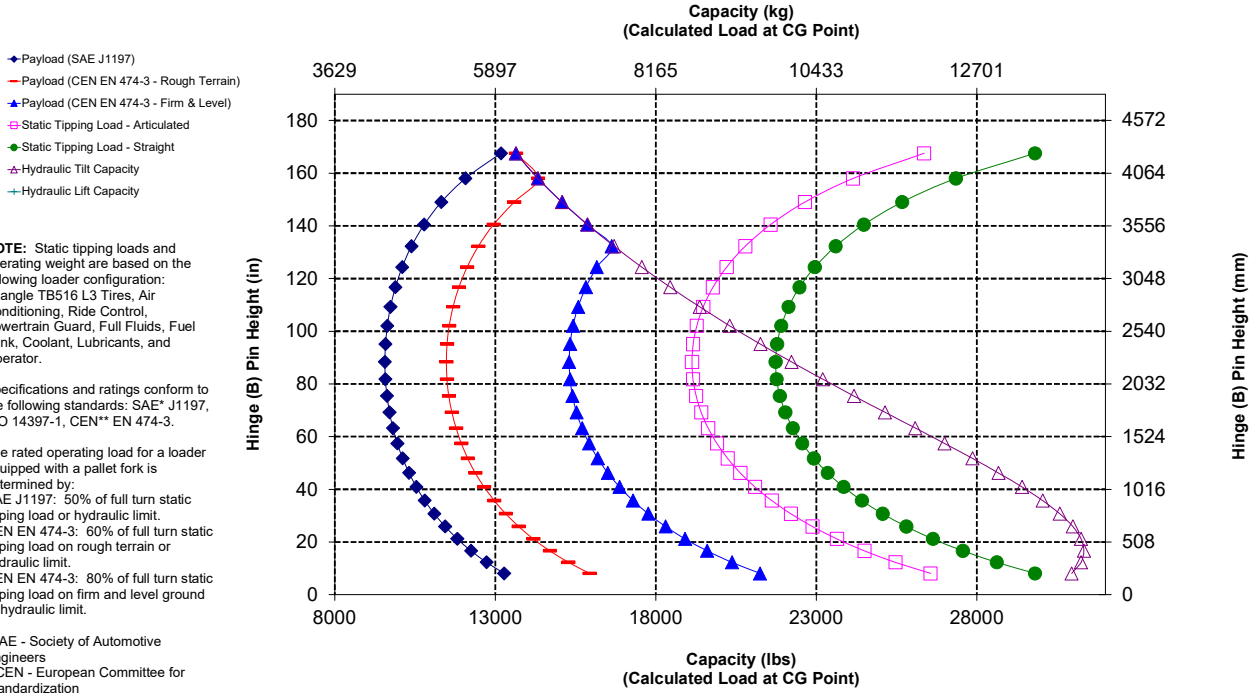
*Negative values indicate below grade

966 GC T3

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

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

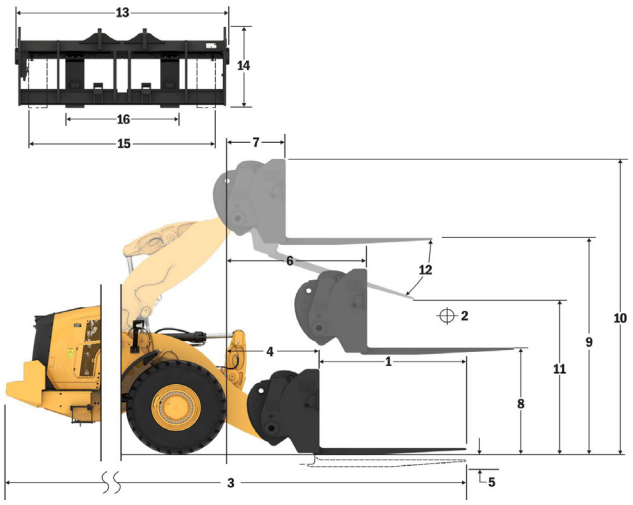
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9395 20706
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8260 18206
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4130 9103
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4956 10923
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5535 12200
3	Maximum Overall Length	mm in	10379 408.6
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	1909 75.1
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	11300 24905
	Operating Weight	kg lbs	21416 47201

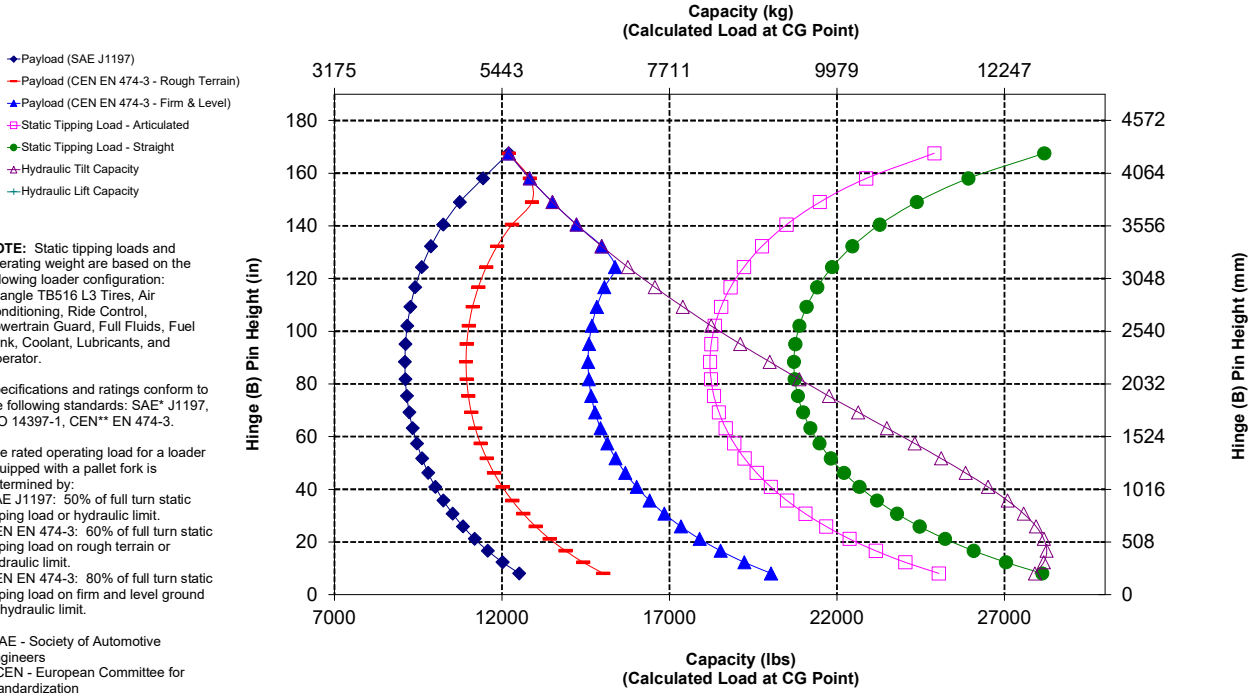
*Negative values indicate below grade

966 GC T3

Construction Fork, FUSION	96" Carriage	96" Tine
	520-7957	520-7981

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

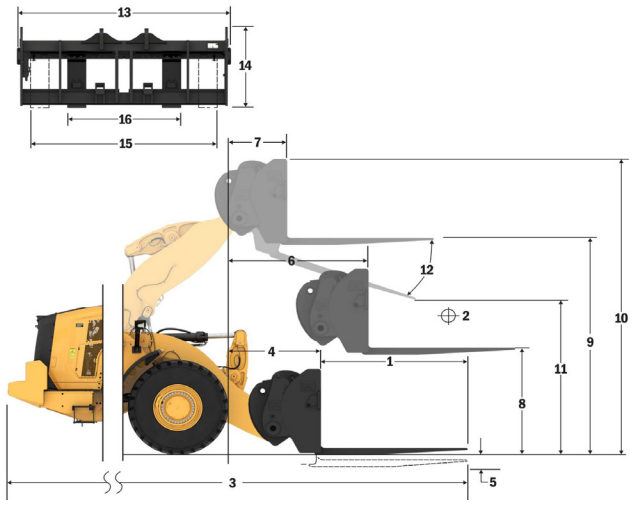
1	Tine Length	mm in	1219 48.0
2	Load Center	mm in	610 24.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11439 25211
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10089 22236
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5044 11118
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6053 13342
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8071 17789
3	Maximum Overall Length	mm in	9160 360.6
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	2830 111.4
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	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	21217 46762

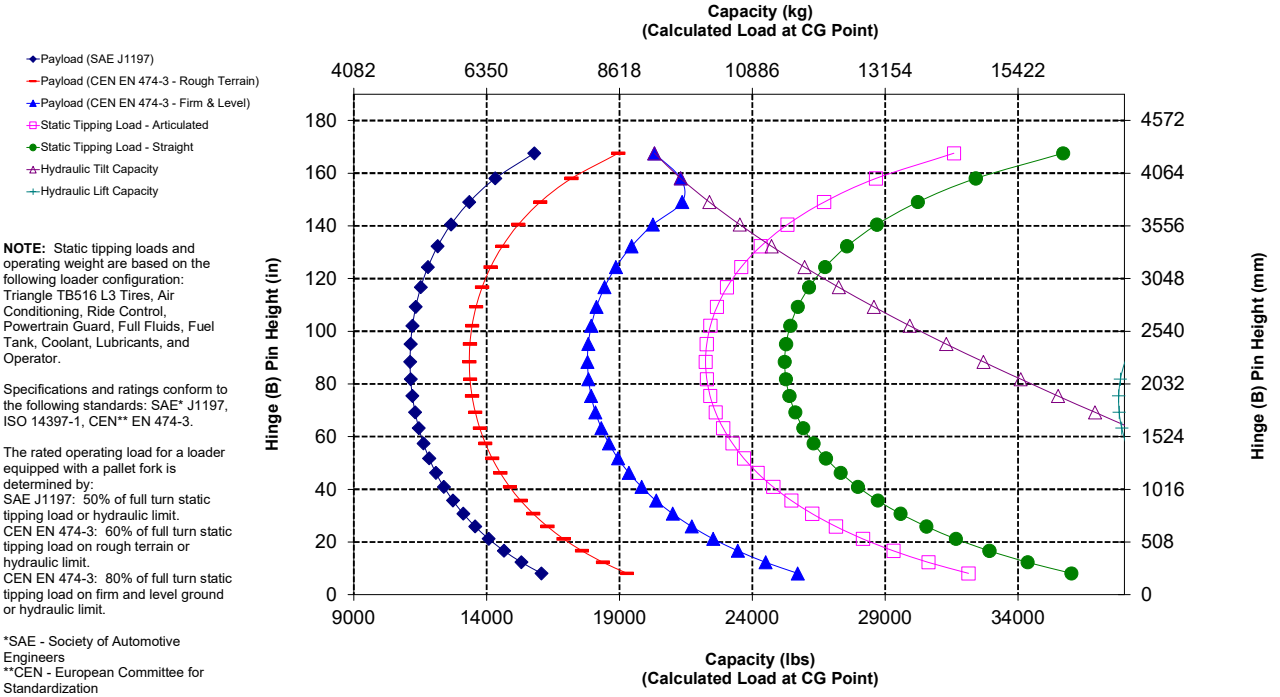
*Negative values indicate below grade

966 GC T3

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

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

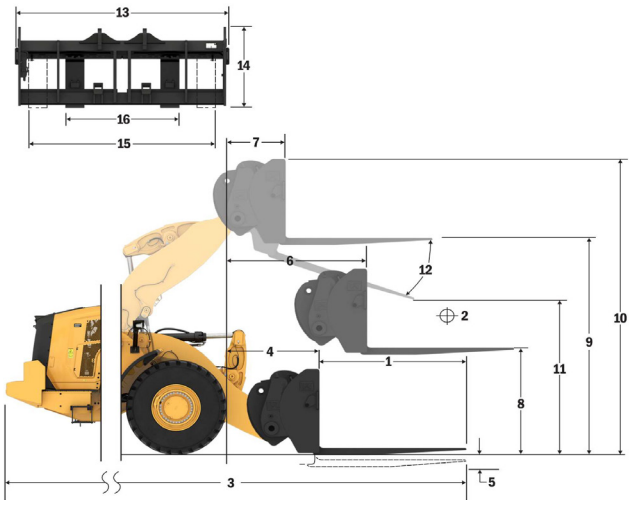
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10858 23931
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9569 21091
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4785 10545
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5742 12655
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7655 16873
3	Maximum Overall Length	mm in	9465 372.6
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	2599 102.3
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	21279 46899

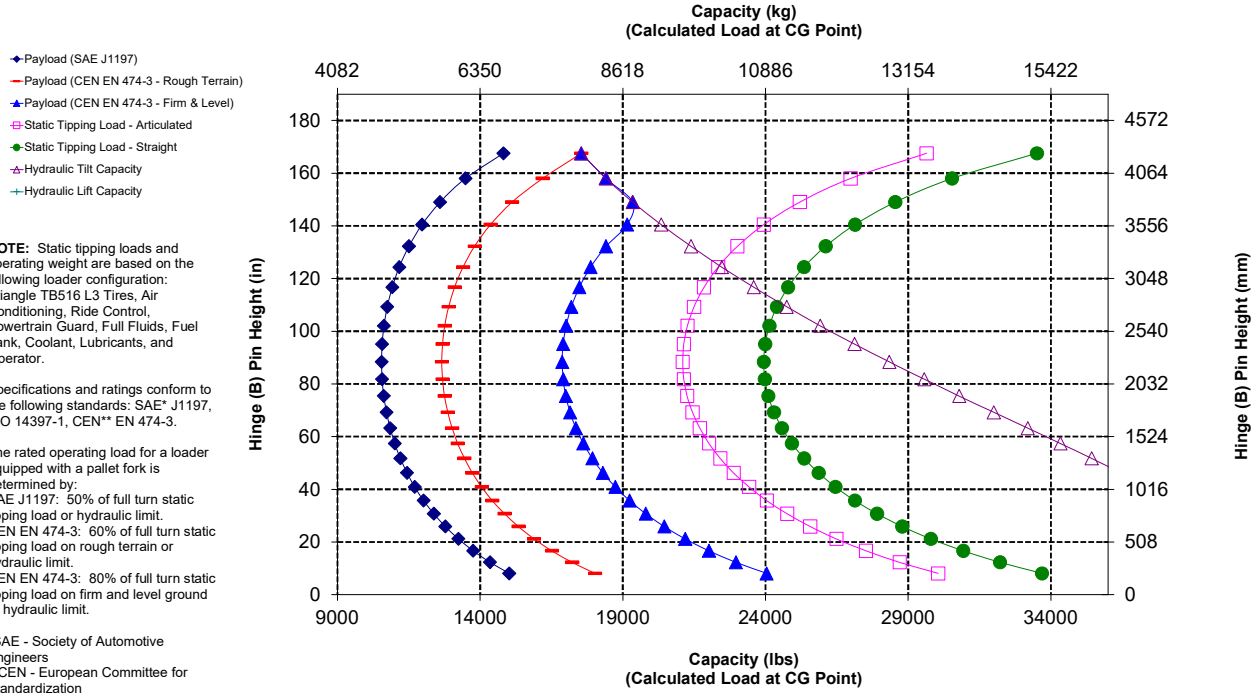
*Negative values indicate below grade

966 GC T3

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

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

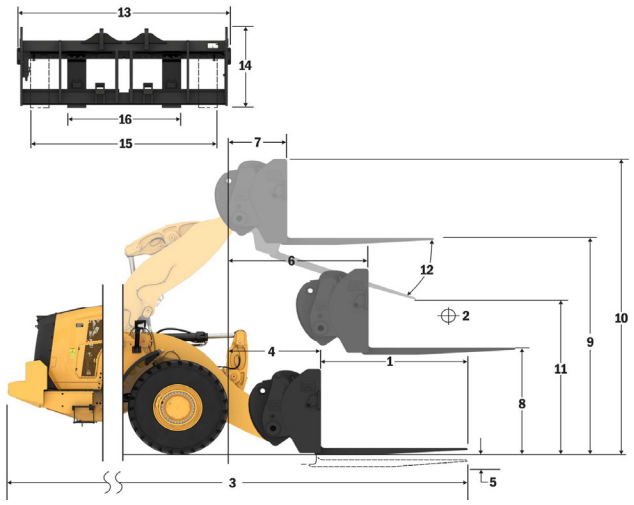
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10321 22748
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9088 20031
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4544 10015
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5453 12019
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6973 15369
3	Maximum Overall Length	mm in	9770 384.7
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	2369 93.3
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	21341 47036

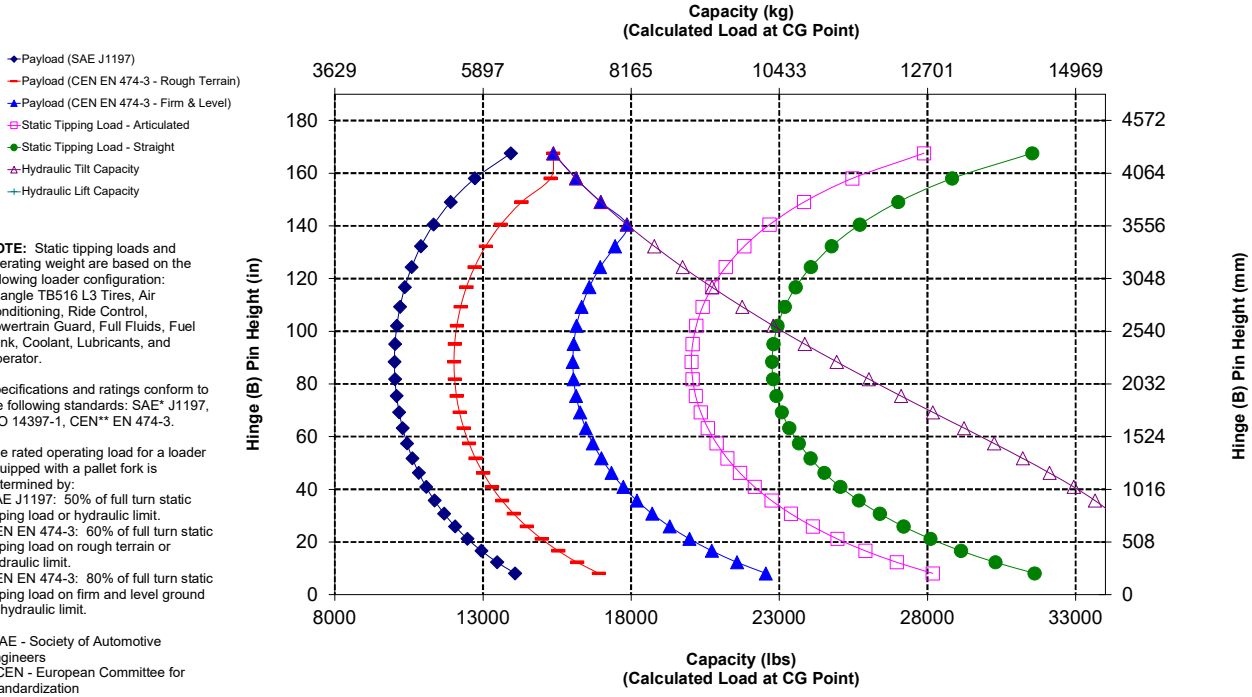
*Negative values indicate below grade

966 GC T3

Construction Fork, FUSION	108" Carriage	72" Tine
	520-7968	520-7979

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

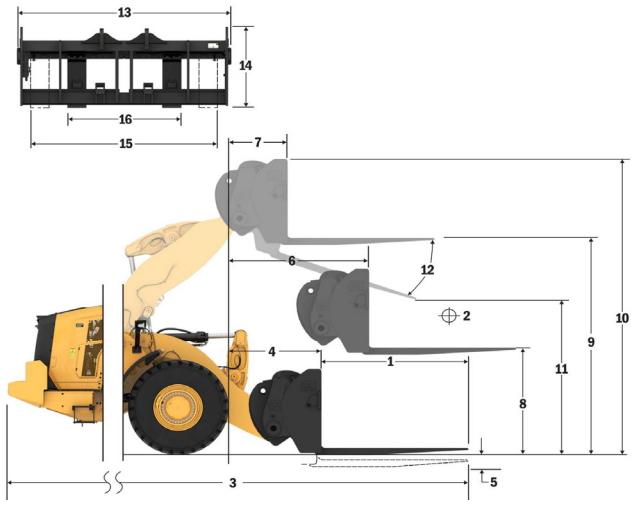
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9824 21653
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8643 19049
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4321 9524
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5186 11429
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6181 13623
3	Maximum Overall Length	mm in	10075 396.7
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	2138 84.2
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	21403 47172

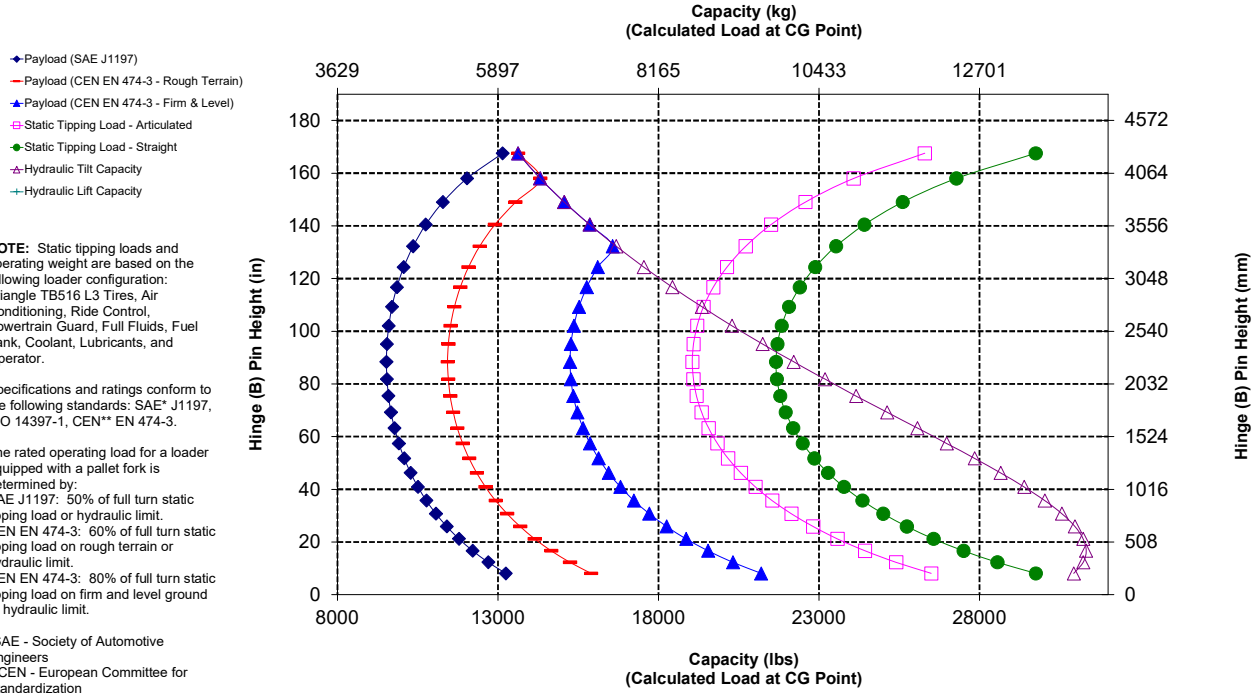
*Negative values indicate below grade

966 GC T3

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

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

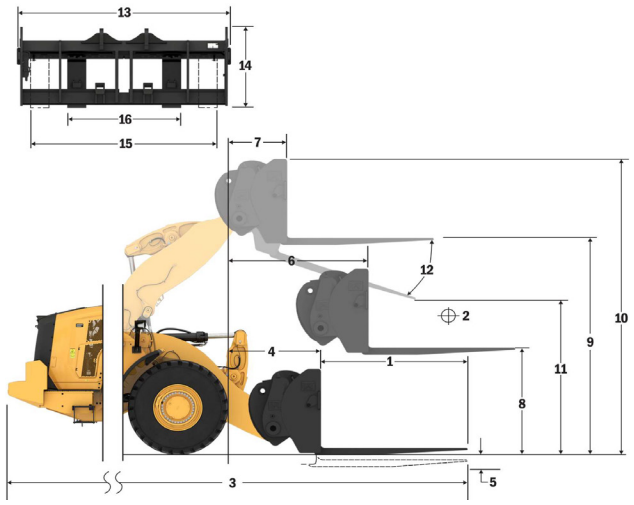
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9363 20636
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8228 18136
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4114 9068
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4937 10881
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5529 12185
3	Maximum Overall Length	mm in	10379 408.6
4	Reach with Forks at Ground Level	mm in	1063 41.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-77 -3.0
6	Reach with Arms Horizontal and Forks Level	mm in	1679 66.1
7	Reach with Fork at Maximum Height	mm in	812 32.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1980 77.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4063 160.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5103 200.9
11	Clearance at Full Lift and Max Dump	mm in	1909 75.1
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	21466 47311

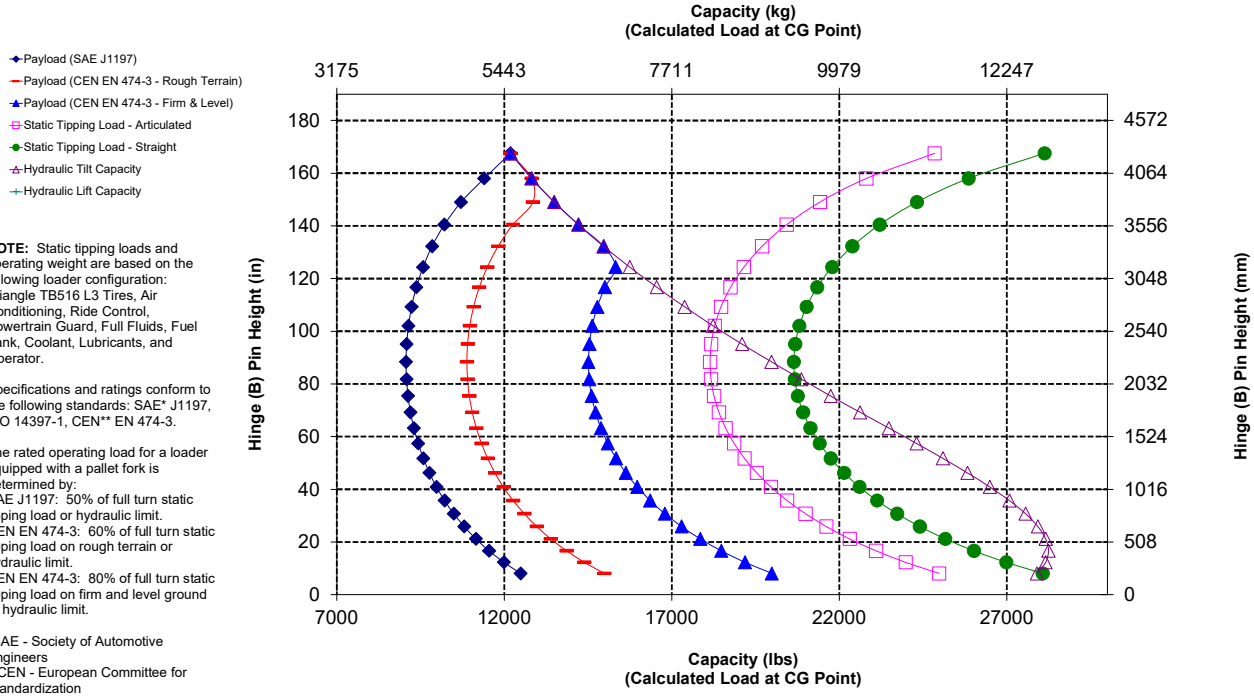
*Negative values indicate below grade

966 GC T3

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

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1, 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

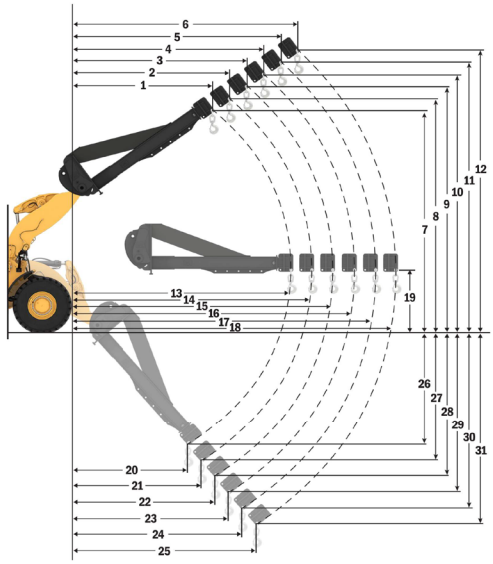
Material Handling Arm Specifications

966 GC T3

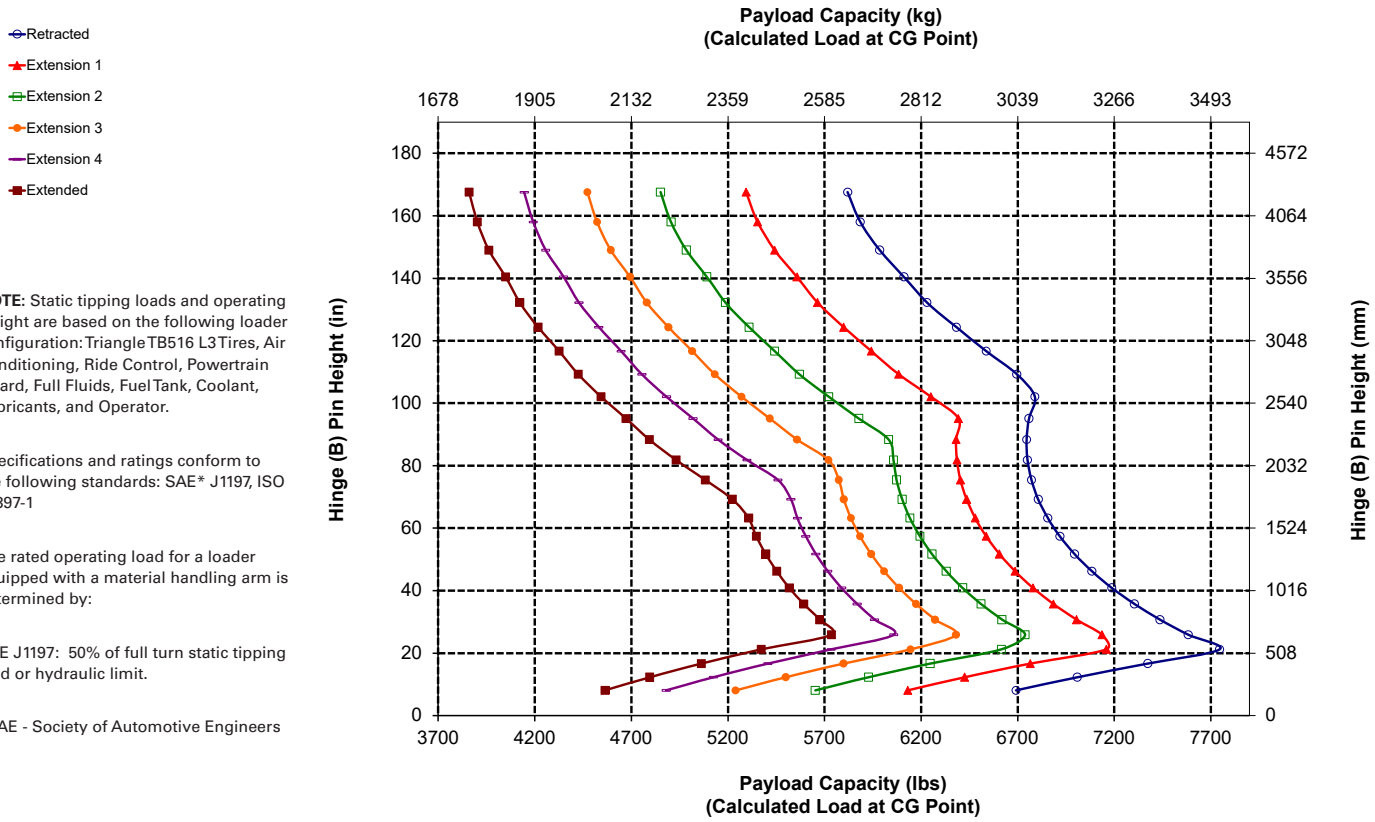
624-9044

Material Handling Arm, FUSION **6Pos**

*Build GC 01A
*Z-Bar Linkage
*Tier 3 Emissions



MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	mm	1,817	1,930	2,043	2,156	2,269	2,382
	ft, in	5' 11"	130	6' 8"	7' 0"	7' 5"	7' 9"
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	mm	7,228	7,511	7,794	8,077	8,360	8,643
	ft, in	23' 8"	4,162	25' 6"	26' 5"	27' 5"	28' 4"
Level - Hook Eyelet 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 Eyelet 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 Eyelet 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 Eyelet 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	6,924	6,550	6,213	5,909	5,632	5,379
	lb	15,261	14,436	13,694	13,022	12,412	11,854
Static Tipping Load, Articulated	kg	6,138	5,805	5,506	5,235	4,989	4,764
	lb	13,527	12,794	12,135	11,538	10,996	10,500
Operating Weight	kg	20,613	20,613	20,613	20,613	20,613	20,613
	lb	45,431	45,431	45,431	45,431	45,431	45,431



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 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, ISO 14397-1

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	✓	
Cab, pressurized and sound suppressed	✓	
Camera, rearview	✓	
CB radio ready		✓
Computerized monitoring system	✓	
Mirrors, rearview external	✓	
Pilot hydraulic controls, lift and tilt function; two (2) single axis levers or joystick	✓	
12V power port (10A)	✓	
Radio ready	✓	
Radio: DAB+/AM/FM/BT		✓
ROPS/FOPS structure	✓	
Seat, Cat Comfort (cloth), mechanical suspension	✓	
Seat, high-back, air suspended		✓
Seat, air suspended, heated		✓
Steering column, adjustable angle	✓	
Steering, secondary, electrical*		✓
Switch, transmission neutralizer (adjustable) lockout	✓	
Window, sliding (left and right sides)	✓	
Wipers/washers (front and rear)	✓	
POWERTRAIN		
Brakes, full hydraulic enclosed wet-disc	✓	
Cat C9.3B engine	✓	
Engine Idle Management System (EIMS)	✓	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	✓	
Fan, reversing, automatic and manual control		✓
Filter, fuel primary/secondary/tertiary	✓	
Fuel priming pump (electric)	✓	
Fuel/water separator	✓	
Muffler, sound suppressed	✓	
Radiator, unit core (9.5 fpi) with ATAAC	✓	
Torque converter	✓	
Transmission, automatic, powershift (4F/3R), kick-down 2-1 manual	✓	
HYDRAULICS		
Dedicated brake and fan piston pump	✓	
Dedicated load sensing steering pump	✓	
Load sensing implement system, pilot operated	✓	
Ride control		✓
S•O•S℠ oil sampling valves	✓	
3rd function with additional dedicated single axis lever		✓

	Standard	Optional
ELECTRICAL		
Alarm, back-up/main disconnect switch	✓	
Alternator (115-amp, brush type)	✓	
Batteries, maintenance free (2×1,125 CCA)	✓	
Ignition key, start/stop	✓	
Lighting system: 4 halogen work lights, cab mounted	✓	
Lighting system: 4 LED or 8 halogen work lights, cab mounted		✓
Lighting system: 2 halogen work lights, loader tower mounted	✓	
Lights: LED taillights	✓	
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)**		✓
Cat Payload scale system		✓
Cat Payload ready		✓
Cold weather starting basic (ether starting aid)		✓
Cold weather starting full (HD batteries 2x1,400 CCA, ether system, jacket water heater, cold weather fluids)		✓
Doors, service access (locking)	✓	
Fenders, rear extensions		✓
Fenders, roading		✓
Grill, airborne debris	✓	
L5 traction tires		✓
L3 radial or bias ply tires	✓	
Powertrain guard		✓
Precleaner, strata-tubes with scavenge		✓
Product Link ready	✓	
Tilt cylinder guard		✓
Toolbox		✓
Variable backup alarm (3dB above ambient noise)	✓	
Windshield guard		✓
LINKAGE		
Fusion™ quick coupler control		✓
Lift and bucket return-to-dig kickouts (electro-magnetic), mechanical adjustment	✓	
Z-bar, cast tilt lever	✓	

*Standard where mandated.
** Refer to M0106413 publication for usage requirements.

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

AEXQ2907-01 (4-2023)
Build Number: 01B
(SE Asia and Indonesia)

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