950 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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950 GC Wheel Loader Specifications

Engine

Engine Model	Cat® C7.1	
Engine Power @ 2,000 rpm ISO 14396:2002	170 kW	228 hp
ISO 14396:2002 (DIN)	231 hp (metric)	
Gross Power @ 2,000 rpm SAE J1995:2014	171 kW	229 hp
SAE J1995:2014 (DIN)	232 hp (metric)	
Net Power @ 2,000 rpm ISO 9249:2007, SAE J1349:2011	154 kW	207 hp
SAE J1349:2011 (DIN)	209 hp (metric)	
Engine Torque (1,400 rpm) ISO 14396:2002	1020 N·m	752 lbf-ft
Gross Torque (1,400 rpm) SAE J1995:2014	1027 N·m	757 lbf-ft
Net Torque (1,300 rpm) ISO 3294:2007, SAE J1349:2011, EEC 80/1269	931 N·m	687 lbf-ft
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in3

- 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	18 392 kg	40,547 lb

- Weight and static tipping loads and operating weights shown are based on a machine configuration with Triangle 23.5R25 tires, full fluids, operator, standard counterweight, standard ambient arrangement, open differential axles (front/rear), roading fenders, ride control and a 3.1 m3 (4.0 yd3) general purpose bucket with BOCE.

Operating Specifications

Static Tipping Load – Full 38° Turn		
With Tire Deflection	10 942 kg	24,123 lb
No Tire Deflection	11 638 kg	25,657 lb
Breakout Force	154 kN	34,645 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	7.0 km/h	4.3 mph
Forward 2	12.5 km/h	7.8 mph
Forward 3	22.0 km/h	13.7 mph
Forward 4	36.0 km/h	22.4 mph
Reverse 1	7.0 km/h	4.3 mph
Reverse 2	12.5 km/h	7.8 mph
Reverse 3	22.0 km/h	13.7 mph

- Maximum travel speeds (23.5-25 tires).
- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 760 mm (30 in) roll radius.

Service Refill Capacities

Fuel Tank Size	290 L	76.6 gal
Cooling System	48 L	12.7 gal
Crankcase	20 L	5.3 gal
Transmission	45 L	11.9 gal
Differentials and Final Drives – Front	40 L	10.6 gal
Differentials and Final Drives – Rear	38 L	10 gal
Hydraulic Tank	120 L	31.7 gal

Bucket Capacities

Bucket Range	2.7-4.4 m^3	3.5-5.75 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 1.9 kg (4.2 lb) of refrigerant which has a CO_2 equivalent 2.717 metric tonnes (2.995 tons).

Hydraulic System

Implement System Pump Type	Piston	
Steering System Pump Type	Piston	
Implement System – Maximum Pump Output at 2,200 rpm	256 L/min	68 gal/min
Implement System – Maximum Operating Pressure at 50 ± 1.5 L/min	27 900 kPa	4,047 psi
Implement System – Optional 3rd Function Maximum Pressure at 70 L/min (18.5 gal/min)	20 680 kPa	2,999 psi
Implement System – Optional 3rd Function Maximum Flow	240 L/min	63 gal/min
Hydraulic Cycle Time – Raise from Carry Position	6.1 Seconds	
Hydraulic Cycle Time – Dump at Maximum Raise	1.2 Seconds	
Hydraulic Cycle Time – Lower, Empty, Float Down	2.8 Seconds	
Hydraulic Cycle Time – Total Cycle Time	10.1 Seconds	

Tires*

- Choices include:
  23.5-25 16PR, L3 (Triangle)
  23.5R25 ★★, L3 (Triangle and Maxam)
  23.5R25 ★, L3 (Bridgestone)
  23.5R25, L5 (Triangle, Maxam, and Bridgestone)

*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)	108 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	73 dB(A)*
Exterior Sound Power Level (ISO 6395:2008)	106 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

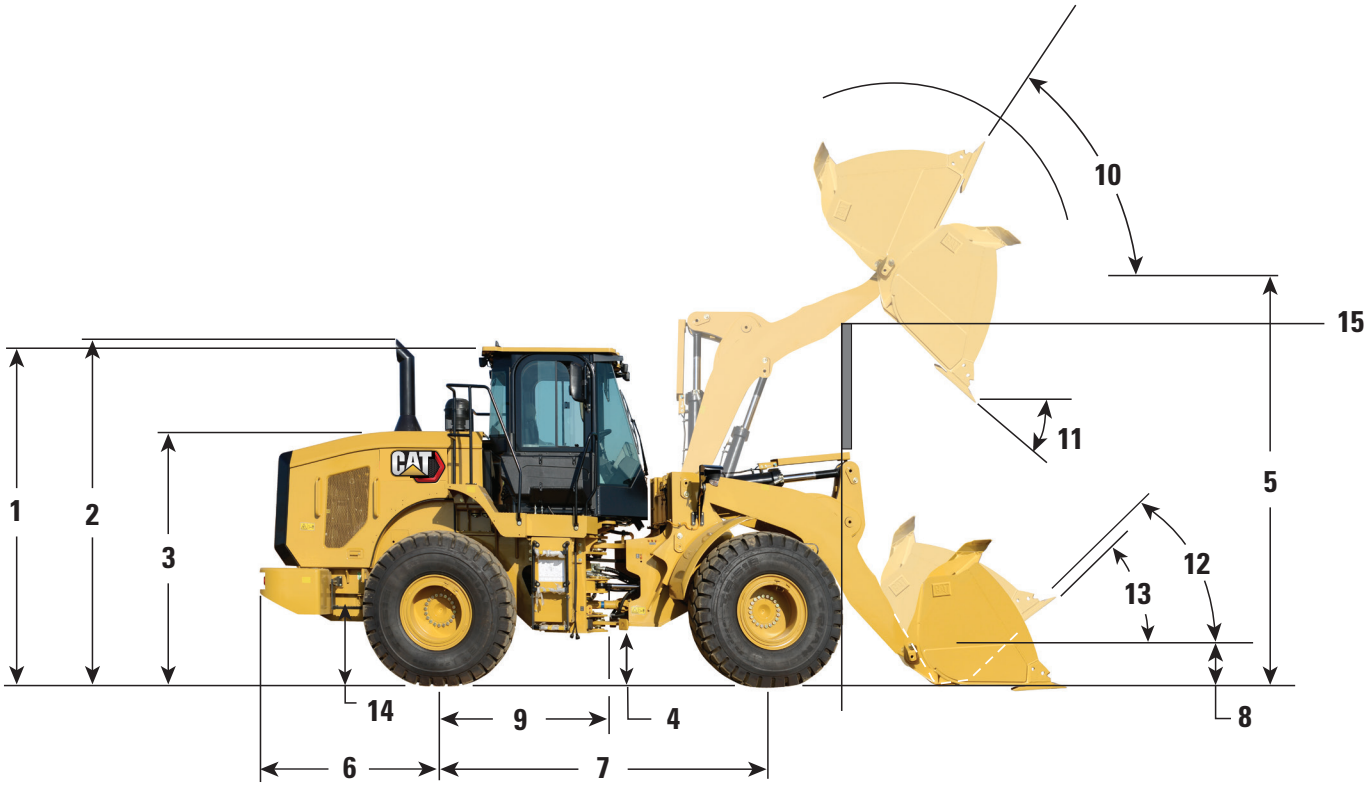
Brakes

Brakes	Brakes meet ISO 3450:2011 standards

950 GC Wheel Loader Specifications

Dimensions

All dimensions are approximate and based on L3 Triangle 23.5-25 Bias tires.



1	Height to Top of ROPS	3458 mm	11'4"
2	Height to Top of Exhaust Pipe	3596 mm	11'10"
3	Height to Top of Hood	2568 mm	8'5"
4	Ground Clearance	460 mm	1'6"
5	B-Pin Height	4188 mm	13'9"
6	Center Line of Rear Axle to Edge of Counterweight	2001 mm	6'6"
7	Wheelbase	3300 mm	10'10"
8	B-Pin Height at Carry	655 mm	2'2"
9	Center Line of Rear Axle to Hitch	1650 mm	5'5"
10	Rack Back at Maximum Lift	60 degrees	
11	Dump Angle at Maximum Lift	52 degrees	
12	Rack Back at Carry	45 degrees	
13	Rack Back at Ground	40 degrees	
14	Height to Center Line of Axle	750 mm	2'6"
15	Lift Arm Clearance	3649 mm	12'0"

Turning Radius

All dimensions are approximate and based on L3 Triangle 23.5-25 Bias tires.

Turning Radius to Outside of Tires	6164 mm	20'3"
Turning Radius to Inside of Tires	3419 mm	11'3"
Width Over Tires	2790 mm	9'2"
Turning Radius to Outside Edge of Counterweight	6190 mm	20'3"

Tire Options*

Tire Brand	**Triangle**	**Triangle**	**Maxam**	**Bridgestone**	**Maxam**	**Bridgestone**	**Triangle**	**Maxam**
Tire Size	**23.5-25**	**23.5R25**	**23.5R25**	**23.5R25**	**23.5R25**	**23.5R25**	**23.5R25**	**23.5R25**
Tread Type	**L-3**	**L-3**	**L-3**	**L-3**	**L-5**	**L-5**	**L-5**	**L-2**
Tread Pattern	**TL516**	**TB516**	**MS302**	**VJT**	**MS503**	**VSDT**	**TL538S+**	**MS202**
Casing Strength	**16PR**	**	**	*	**	*	**	*/**
Width over Tires – Maximum (unloaded)**	2778 mm 9'1"	2807 mm 9'2"	2831 mm 9'3"	2813 mm 9'2"	2788 mm 9'1"	2813 mm 9'2"	2815 mm 9'2"	2833 mm 9'3"
Width over Tires – Maximum (loaded)**	2790 mm 9'2"	2836 mm 9'3"	2835 mm 9'3"	2831 mm 9'3"	2794 mm 9'2"	2837 mm 9'3"	2825 mm 9'3"	2846 mm 9'3"
Change in Vertical Dimensions (average of front and rear)	0 0	0 0	1 mm 0.04"	2 mm 0.08"	4 mm 0.2"	5 mm 0.2"	6 mm 0.2"	7 mm 0.3"
Change in Horizontal Reach	0 0	-1.0 mm -0.04"	-7 mm -0.3"	7.5 mm 0.3"	-25.5 mm -1.0"	-22.5 mm -0.9"	-29.5 mm -1.2"	0.5 mm 0.02"
Change in Clearance Circle to Outside of Tires	0 0	23 mm 0.9"	22.5 mm 0.9"	20.5 mm 0.8"	2.0 mm 0.08"	23.5 mm 0.9"	17.5 mm 0.7"	28 mm 1.1"
Change in Clearance Circle to Inside of Tires	0 0	-23 mm -0.9"	-23 mm -0.9"	-21 mm -0.8"	-2 mm 0.08"	-24 mm -0.9"	-18 mm -0.7"	-28 mm -1.1"
Change in Width Over Tires - Max	0 0	46 mm 1.8"	45 mm 1.8"	41 mm 1.6"	4 mm 0.2"	47 mm 1.9"	35 mm 1.4"	56 mm 2.2"
Change in Operating Weight (without Ballast)	0 0	560 kg 1,235 lb	572 kg 1,261 lb	572 kg 1,261 lb	1044 kg 2,302 lb	1140 kg 3,404 lb	992 kg 2,187 lb	540 kg 1,191 lb
Change in Static Tipping Load – Straight	0 0	397 kg 875 lb	406kg 895 lb	406 kg 895 lb	740 kg 1,631 lb	809 kg 1,784 lb	704 kg 1,552 lb	383 kg 844 lb
Change in Static Tipping Load – Articulated	0 0	382 kg 842 lb	390 kg 860 lb	390 kg 860 lb	712 kg 1,570 lb	777 kg 1,713 lb	676 kg 1,490 lb	368 kg 811 lb

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

**Width over tire bulge and includes tire growth.

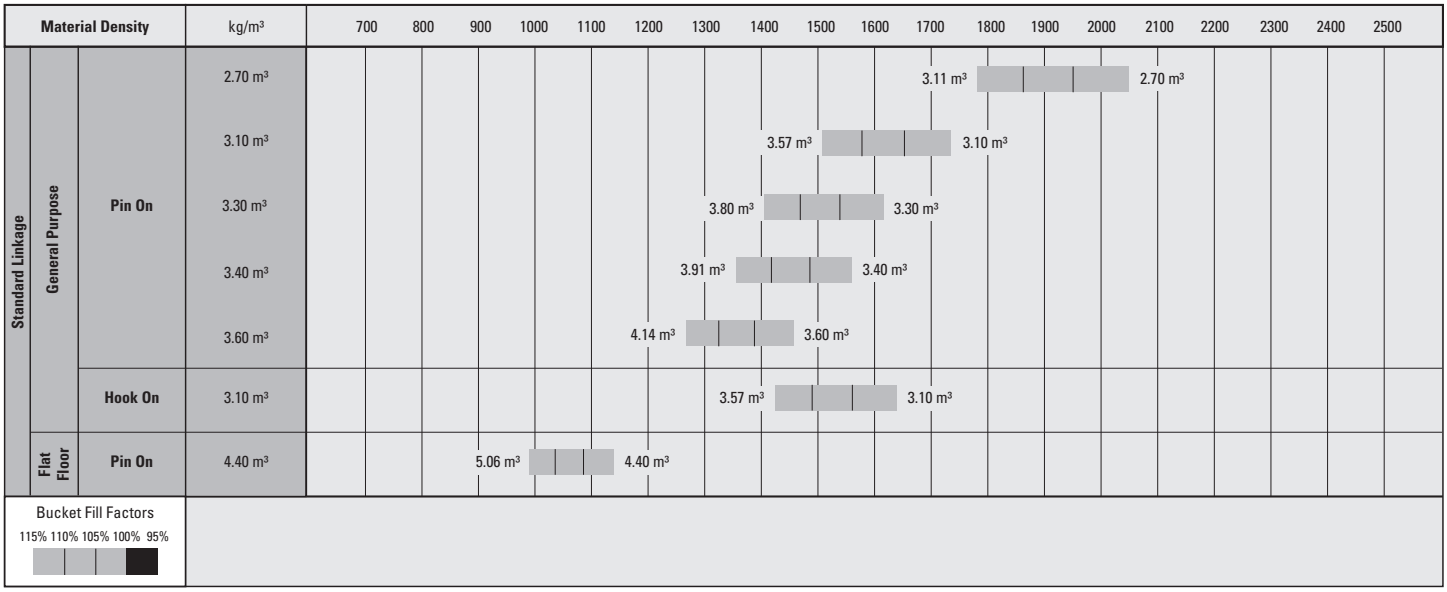
950 GC Wheel Loader Specifications

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.



All buckets are showing Bolt-On Edges.

Operating Specifications

Bucket Type		General Purpose – Pin On								
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m3	2.70	2.70	2.50	3.10	3.10	2.90	3.30	3.30	3.10
	yd3	3.50	3.50	3.25	4.00	4.00	3.75	4.25	4.25	4.00
Capacity – 110% Rated	m3	3.00	3.00	2.75	3.40	3.40	3.20	3.60	3.60	3.40
	yd3	4.00	4.00	3.50	4.50	4.50	4.25	4.75	4.75	4.50
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge	mm	3130	3015	3015	3050	2933	2933	3012	2894	2894
	ft/in	10'3"	9'10"	9'10"	10'0"	9'7"	9'7"	9'10"	9'5"	9'5"
Reach at Maximum Lift and 45° Discharge	mm	1207	1320	1320	1262	1374	1374	1293	1404	1404
	ft/in	3'11"	4'3"	4'3"	4'1"	4'6"	4'6"	4'2"	4'7"	4'7"
Reach at Level Lift Arm and Bucket Level	mm	2620	2781	2781	2720	2881	2881	2770	2931	2931
	ft/in	8'7"	9'1"	9'1"	8'11"	9'5"	9'5"	9'1"	9'7"	9'7"
Digging Depth	mm	86.0	86.0	56.0	86	86	56	86	86	56
	in	0'3"	0'3"	0'2"	0'3"	0'3"	0'2"	0'3"	0'3"	0'2"
Overall Length	mm	8138	8312	8312	8238	8412	8412	8288	8462	8462
	ft/in	26'8"	27'3"	27'3"	27'0"	27'7"	27'7"	27'2"	27'9"	27'9"
Overall Height with Bucket at Maximum Lift	mm	5557	5557	5557	5642	5642	5642	5690	5690	5690
	ft/in	18'2"	18'2"	18'2"	18'6"	18'6"	18'6"	18'8"	18'8"	18'8"
Loader Clearance Circle with Bucket at Carry Position	mm	13 763	13 927	13 927	13 819	13 984	13 984	13 847	14 013	14 013
	ft/in	45'1"	45'8"	45'8"	45'4"	45'10"	45'10"	45'5"	45'11"	45'11"
Static Tipping Load, Straight (With Tire Deflection)*	kg	12618	12481	12807	12577	12438	12766	12491	12352	12672
	lb	27,818	27,517	28,233	27,727	27,421	28,143	27,538	27,231	27,937
Static Tipping Load, Straight (No Tire Deflection)*	kg	13328	13190	13525	13290	13151	13488	13207	13067	13397
	lb	29,382	29,078	29,816	29,300	28,992	29,737	29,117	28,807	29,534
Static Tipping Load, Articulated (With Tire Deflection)*	kg	10975	10838	11147	10942	10804	11115	10862	10722	11027
	lb	24,195	23,893	24,574	24,124	23,818	24,505	23,946	23,638	24,311
Static Tipping Load, Articulated (No Tire Deflection)*	kg	11666	11528	11846	11638	11498	11820	11559	11419	11733
	lb	25,720	25,415	26,117	25,657	25,349	26,058	25,484	25,174	25,867
Breakout Force	kN	168	166	184	154	153	168	148	147	160
	lbf	37,677	37,418	41,257	34,645	34,388	37,674	33,245	32,988	36,041
Operating Weight*	kg	18454	18562	18405	18392	18500	18343	18433	18541	18384
	lb	40,683	40,921	40,575	40,546	40,784	40,438	40,637	40,875	40,528

*Static tipping loads and operating weights shown are based on standard machine configuration with 23.5R25 L3 Triangle TB516 radial tires, full fuel tank, coolants, lubricants, air conditioner and operator. Hook On Bucket includes Quick Coupler.

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

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 through 5.

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

950 GC Wheel Loader Specifications

Operating Specifications

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	m3	3.40	3.40	3.20	3.60	3.60	3.40
	yd3	4.50	4.50	4.25	4.75	4.75	4.50
Capacity – 110% Rated	m3	3.70	3.70	3.50	4.00	4.00	3.70
	yd3	5.00	5.00	4.50	5.25	5.25	5.00
Width	mm	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
Dump Clearance at Maximum Lift and 45° Discharge	mm	2985	2867	2867	2939	2820	2820
	ft/in	9'9"	9'4"	9'4"	9'7"	9'3"	9'3"
Reach at Maximum Lift and 45° Discharge	mm	1314	1424	1424	1351	1460	1460
	ft/in	4'3"	4'8"	4'8"	4'5"	4'9"	4'9"
Reach at Level Lift Arm and Bucket Level	mm	2805	2966	2966	2865	3026	3026
	ft/in	9'2"	9'8"	9'8"	9'4"	9'11"	9'11"
Digging Depth	mm	86	86	56	86	86	56
	in	0'3"	0'3"	0'2"	0'3"	0'3"	0'2"
Overall Length	mm	8323	8497	8497	8383	8557	8557
	ft/in	27'3"	27'10"	27'10"	27'6"	28'0"	28'0"
Overall Height with Bucket at Maximum Lift	mm	5722	5722	5722	5781	5781	5781
	ft/in	18'9"	18'9"	18'9"	18'11"	18'11"	18'11"
Loader Clearance Circle with Bucket at Carry Position	mm	13 867	14 034	14 034	13 902	14 069	14 069
	ft/in	45'5"	46'0"	46'0"	45'7"	46'1"	46'1"
Static Tipping Load, Straight (With Tire Deflection)*	kg	12 432	12 292	12 616	12 168	12 027	12 349
	lb	27,407	27,098	27,813	26,825	26,515	27,225
Static Tipping Load, Straight (No Tire Deflection)*	kg	13 149	13 008	13 343	12 887	12 745	13 078
	lb	28,988	28,677	29,415	28,410	28,097	28,831
Static Tipping Load, Articulated (With Tire Deflection)*	kg	10 805	10 665	10 974	10 548	10 407	10 714
	lb	23,821	23,513	24,194	23,254	22,944	23,620
Static Tipping Load, Articulated (No Tire Deflection)*	kg	11 505	11 363	11 682	11 249	11 107	11 424
	lb	25,363	25,051	25,754	24,799	24,486	25,184
Breakout Force	kN	144	143	156	137	135	147
	lbf	32,325	32,069	34,973	30,712	30,457	33,124
Operating Weight*	kg	18 460	18 568	18 411	18 676	18 784	18 627
	lb	40,696	40,934	40,588	41,172	41,410	41,064

*Static tipping loads and operating weights shown are based on standard machine configuration with 23.5R25 L3 Triangle TB516 radial tires, full fuel tank, coolants, lubricants, air conditioner and operator. Hook On Bucket includes Quick Coupler.

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

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 through 5.

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

Operating Specifications

Bucket Type		General Purpose – Pin On			Flat Floor – Pin On
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**	**Bolt-On Cutting Edges**
Capacity – Rated	m3	3.10	3.10	2.90	4.40
	yd3	4.00	4.00	3.75	5.75
Capacity – 110% Rated	m3	3.40	3.40	3.20	4.80
	yd3	4.50	4.50	4.25	6.25
Width	mm	2927	2994	2994	3059
	ft/in	9'7"	9'9"	9'9"	10'0"
Dump Clearance at Maximum Lift and 45° Discharge	mm	3008	2891	2891	2782
	ft/in	9'10"	9'5"	9'5"	9'1"
Reach at Maximum Lift and 45° Discharge	mm	1299	1410	1410	1357
	ft/in	4'3"	4'7"	4'7"	4'5"
Reach at Level Lift Arm and Bucket Level	mm	2775	2936	2936	2996
	ft/in	9'1"	9'7"	9'7"	9'9"
Digging Depth	mm	94	94	64	102
	in	0'3"	0'3"	0'2"	0'4"
Overall Length	mm	8299	8473	8473	8527
	ft/in	27'2"	27'9"	27'9"	27'11"
Overall Height with Bucket at Maximum Lift	mm	5662	5662	5662	5910
	ft/in	18'6"	18'6"	18'6"	19'4"
Loader Clearance Circle with Bucket at Carry Position	mm	13 850	14 017	14 017	14 109
	ft/in	45'5"	45'11"	45'11"	46'3"
Static Tipping Load, Straight (With Tire Deflection)*	kg	11 834	11 696	12 014	11 695
	lb	26,090	25,786	26,485	25,784
Static Tipping Load, Straight (No Tire Deflection)*	kg	12 535	12 396	12 723	12 404
	lb	27,634	27,327	28,050	27,347
Static Tipping Load, Articulated (With Tire Deflection)*	kg	10 224	10 086	10 388	10 105
	lb	22,541	22,236	22,902	22,277
Static Tipping Load, Articulated (No Tire Deflection)*	kg	10 908	10 768	11 080	10 796
	lb	24,047	23,740	24,427	23,801
Breakout Force	kN	146	145	159	123
	lbf	32,933	32,675	35,691	27,654
Operating Weight*	kg	19 021	19 129	18 972	18 881
	lb	41,933	42,171	41,825	41,624

*Static tipping loads and operating weights shown are based on standard machine configuration with 23.5R25 L3 Triangle TB516 radial tires, full fuel tank, coolants, lubricants, air conditioner and operator. Hook On Bucket includes Quick Coupler.

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

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 through 5.

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

950 GC Wheel Loader Specifications

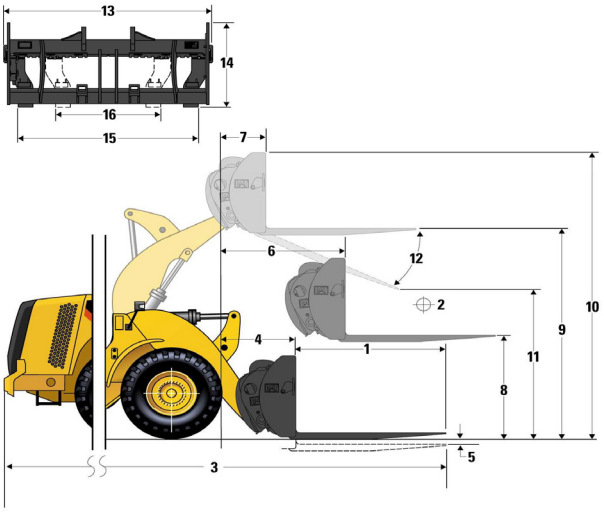
Fork Specifications

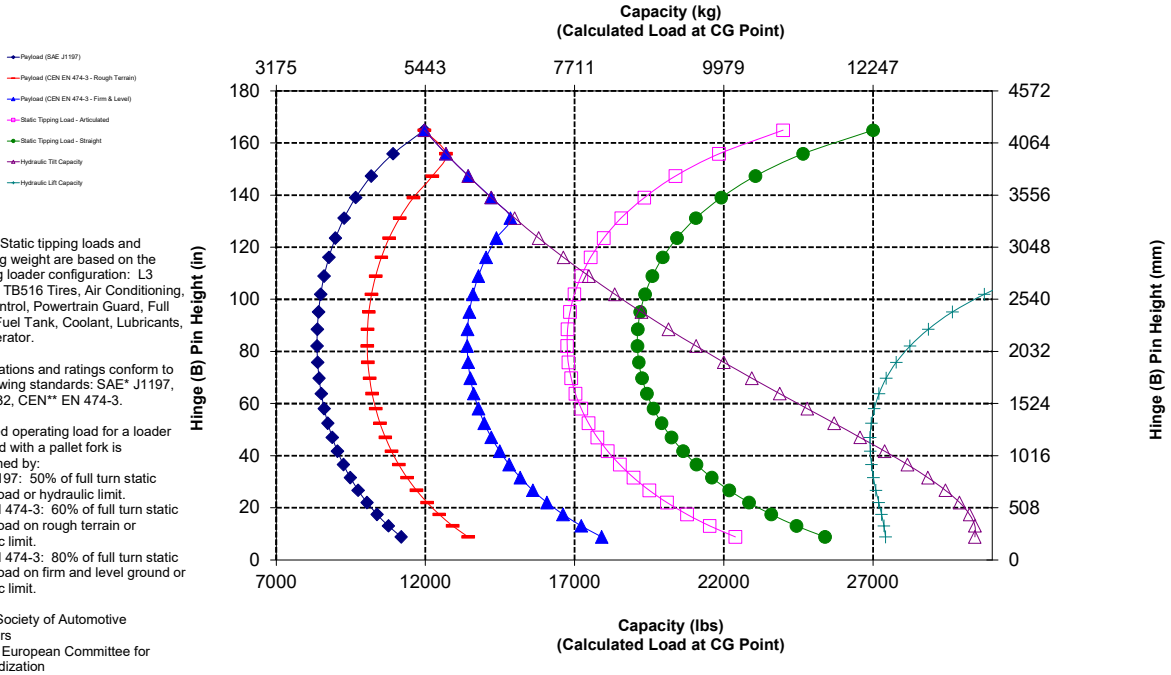
Fork Specifications

1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9090 20035
	Static Tipping Load - Articulated (Forks Level)	kg lbs	7929 17474
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3964 8737
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4757 10485
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6182 13625
3	Maximum Overall Length	mm in	8906 350.6
4	Reach with Forks at Ground Level	mm in	1268 49.9
5	Ground to Top of Tine at Minimum Height and Fork Level	mm in	-86 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1769 69.7
7	Reach with Fork at Maximum Height	mm in	847 33.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1759 69.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3877 152.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4652 183.2
11	Clearance at Full Lift and Max Dump	mm in	2485 97.8
12	Max Discharge Angle from Horizontal	deg	48
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	18233 40186

950 GC STD

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





NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Triangle TB516 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.

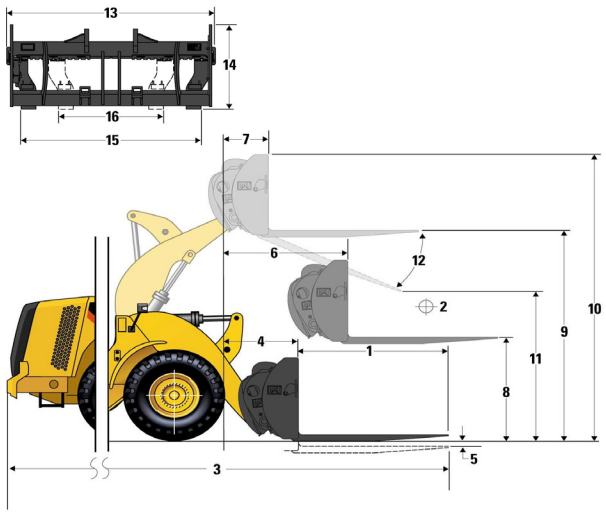
Fork Specifications

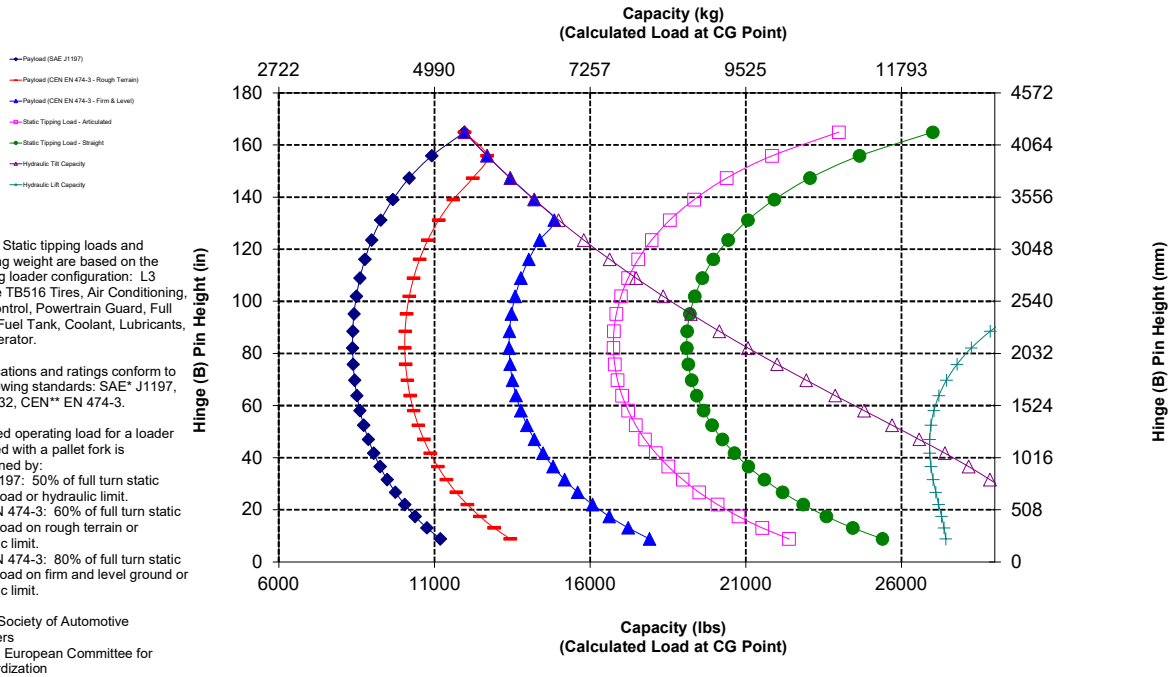
Fork Specifications

950 GC STD

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

1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	8649 19063
	Static Tipping Load - Articulated (Forks Level)	kg lbs	7538 16613
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3769 8307
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4523 9968
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5428 11962
3	Maximum Overall Length	mm in	9212 362.7
4	Reach with Forks at Ground Level	mm in	1268 49.9
5	Ground to Top of Tine at Minimum Height and Fork Level	mm in	-86 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1769 69.7
7	Reach with Fork at Maximum Height	mm in	847 33.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1759 69.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3877 152.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4652 183.2
11	Clearance at Full Lift and Max Dump	mm in	2259 88.9
12	Max Discharge Angle from Horizontal	deg	48
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	18280 40289





NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Triangle TB516 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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Fork Specifications

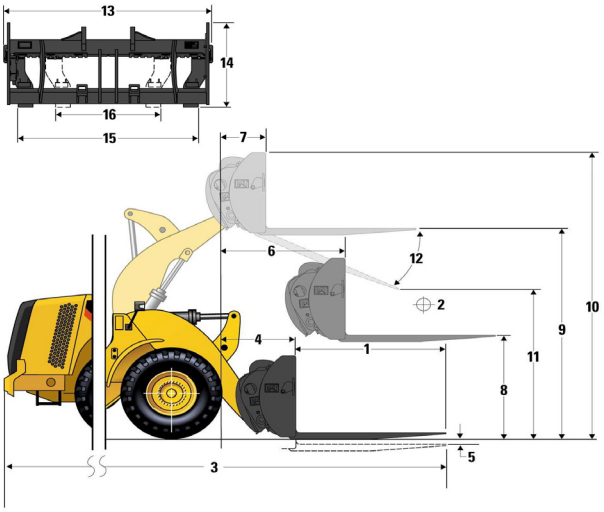
Fork Specifications

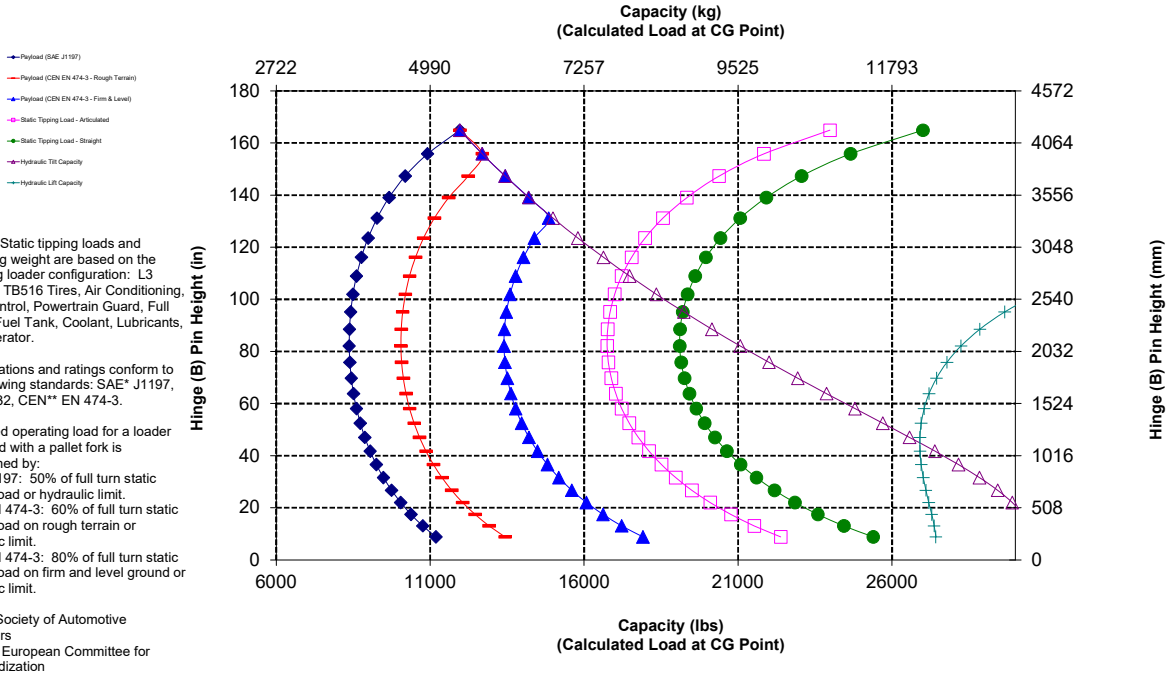
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	8816 19431
	Static Tipping Load - Articulated (Forks Level)	kg lbs	7652 16865
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3826 8433
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4591 10119
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6122 13492
3	Maximum Overall Length	mm in	8861 348.8
4	Reach with Forks at Ground Level	mm in	1223 48.1
5	Ground to Top of Tine at Minimum Height and Fork Level	mm in	18 0.7
6	Reach with Arms Horizontal and Forks Level	mm in	1762 69.4
7	Reach with Fork at Maximum Height	mm in	840 33.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1863 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3982 156.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5022 197.7
11	Clearance at Full Lift and Max Dump	mm in	2434 95.8
12	Max Discharge Angle from Horizontal	deg	54
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	18608 41012

950 GC STD

Construction Fork, FUSION

96" Carriage	60" Tine
520-7957	520-7980





NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Triangle TB516 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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Fork Specifications

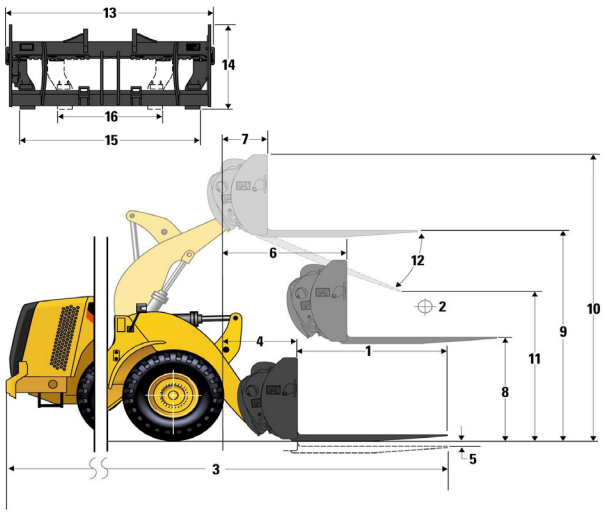
Fork Specifications

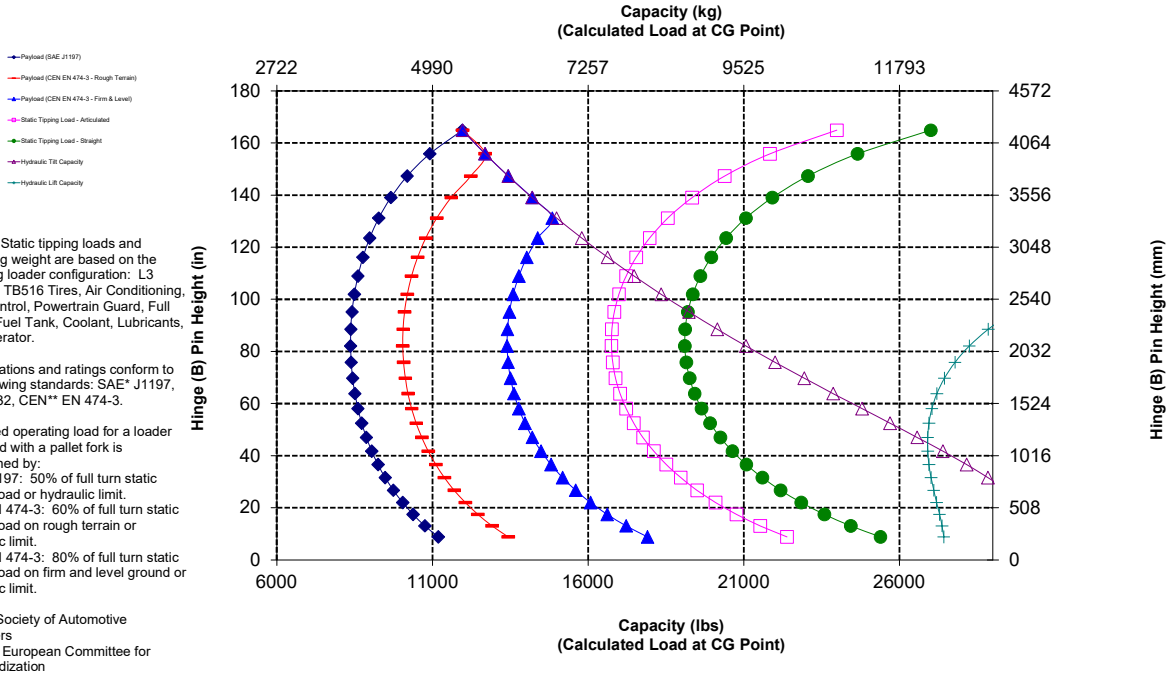
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	8370 18448
	Static Tipping Load - Articulated (Forks Level)	kg lbs	7256 15992
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3628 7996
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4354 9595
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5658 12469
3	Maximum Overall Length	mm in	9166 360.9
4	Reach with Forks at Ground Level	mm in	1223 48.1
5	Ground to Top of Tine at Minimum Height and Fork Level	mm in	18 0.7
6	Reach with Arms Horizontal and Forks Level	mm in	1762 69.4
7	Reach with Fork at Maximum Height	mm in	840 33.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1863 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3982 156.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5022 197.7
11	Clearance at Full Lift and Max Dump	mm in	2187 86.1
12	Max Discharge Angle from Horizontal	deg	54
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	18669 41146

950 GC STD

Construction Fork, FUSION

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





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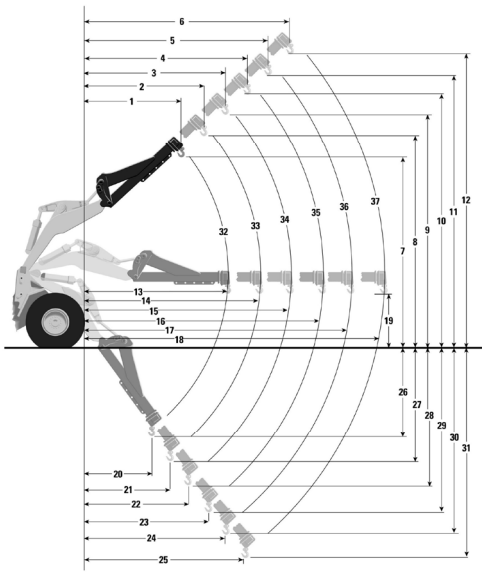
950 GC Wheel Loader Specifications

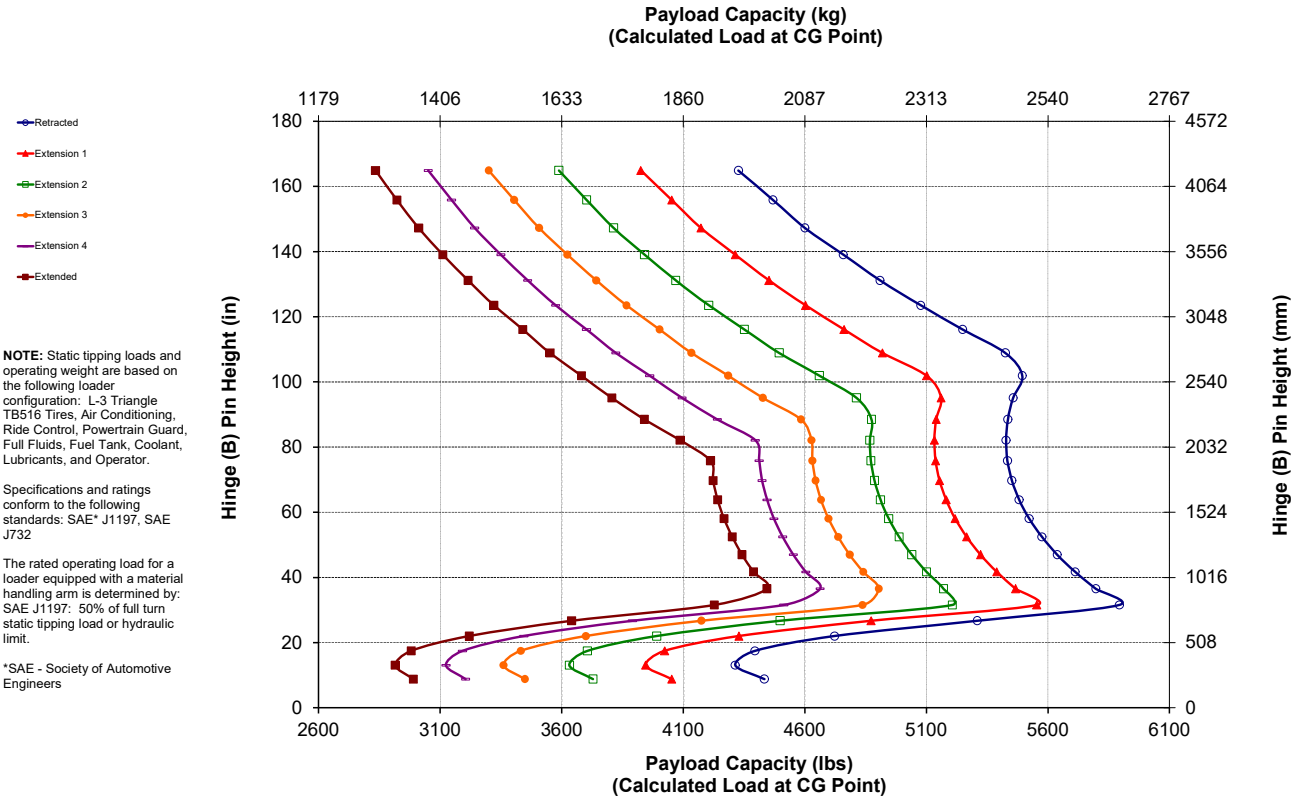
Material Handling Arm Specifications

950 GC

624-9044 Fusion MHA **6Pos**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	mm	2,045	2,176	2,307	2,438	2,569	2,700
	ft, in	6' 8"	7' 1"	7' 6"	7' 11"	8' 5"	8' 10"
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	mm	7,058	7,333	7,608	7,883	8,158	8,433
	ft, in	23' 1"	24' 0"	24' 11"	25' 10"	26' 9"	27' 8"
Level - Hook Reach (13, 14, 15, 16, 17, 18)	mm	4,627	4,932	5,237	5,541	5,846	6,151
	ft, in	15' 2"	16' 2"	17' 2"	18' 2"	19' 2"	20' 2"
Level - Hook Height (19)	mm	1,829	1,829	1,829	1,829	1,829	1,829
	ft, in	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"	6' 0"
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	mm	1,471	1,566	1,661	1,757	1,852	1,947
	ft, in	4' 9"	5' 1"	5' 5"	5' 9"	6' 0"	6' 4"
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	mm	(2,979)	(3,269)	(3,558)	(3,848)	(4,137)	(4,427)
	ft, in	-9' 2"	-10' 3"	-11' 3"	-12' 4"	-13' 5"	-14' 5"
Static Tipping Load, Straight	kg	5,652	5,346	5,070	4,820	4,594	4,386
	lb	12,457	11,782	11,174	10,624	10,124	9,667
Static Tipping Load, Articulated	kg	4,935	4,666	4,425	4,206	4,007	3,825
	lb	10,877	10,285	9,752	9,270	8,832	8,431
Operating Weight	kg	17,994	17,994	17,994	17,994	17,994	17,994
	lb	39,659	39,659	39,659	39,659	39,659	39,659





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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.

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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	✓	
Cab, pressurized and sound suppressed	✓	
CB radio ready		✓
Doors, service access (locking)	✓	
Mirrors, rearview internal and external	✓	
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*		✓
Window, sliding (left and right sides)	✓	
POWERTRAIN		
Axles, oil cooler		✓
Brakes, full hydraulic enclosed wet-disc	✓	
Cat C7.1 engine, meets emission standards	✓	
EIMS (Engine Idle Management System)	✓	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	✓	
Fan, reversing cooling, automatic and manual control		✓
Fuel priming pump (manual)	✓	
Fuel/water separator	✓	
Radiator, unit core (9.5 fpi) with ATAAC	✓	
Switch, transmission neutralizer (adjustable) lockout	✓	
Torque converter	✓	
Transmission, automatic, power shift (4F/3R), kick-down 2-1 manual	✓	
HYDRAULICS		
Dedicated load sensing steering pump	✓	
Load sensing implement system	✓	
Ride control		✓
S•O•S℠ oil sampling valves		✓
3rd function with additional dedicated single axis lever	✓	

	Standard	Optional
ELECTRICAL		
Lighting system: 4 halogen work lights	✓	
Lighting system: 8 halogen work lights		✓
Lighting system: 4 LED work lights		✓
Lights: LED taillights	✓	
Roading lights with high/low beam and F and R turn signals		✓
Starter, electric (heavy duty)	✓	
Starting and charging system, 24V	✓	
MONITORING SYSTEM		
Digital indicators: Gear indicator Speedometer Service meter units Fault codes	✓	
Gauges: Engine coolant temperatures/fluid level Hydraulic/transmission oil temperature Tachometer/DEF level	✓	
ADDITIONAL EQUIPMENT		
Cat Autolube		✓
Camera, front view (kit)**		✓
Cat Payload scale system		✓
Cat Payload installation		✓
Cold weather starting (batteries 2×1,400 CCA and ether starting aid)		✓
Differentials, limited slip		✓
Fender extensions or roading		✓
L5 traction tires		✓
L3 radial or bias ply tires	✓	
Precleaner, turbine		✓
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, fabricated crosstube/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.**

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

AEXQ2511-03 (7-2024)
Build Number: 01B
(Afr-ME, Eurasia, S Am [excluding Chile], Aus-NZ, Asia [excluding China, India, Japan, S. Korea])

CAT®