

950 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 – U.S. EPA Tier 3 Equivalent/EU Stage IIIA Equivalent

Engine Model	Cat® C7.1			
Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards				
equivalent to U.S. EPA Tier 3 and EU St	tage IIIA.			
Engine Power @ 2,100 rpm	186 kW	249 hp		
ISO 14396:2002	253 hp (metr	ric)		
Gross Power @ 2,100 rpm	191 kW	256 hp		
SAE J1995:2014	260 hp (metr	ric)		
Net Power @ 2,100 rpm	172 kW	231 hp		
ISO 9249:2007, SAE J1349:2011	235 hp (metr	ric)		
Engine Torque (1,400 rpm)	1236 N·m	912 lbf-ft		
ISO 14396:2002				
Gross Torque (1,400 rpm)	1257 N·m	927 lbf-ft		
SAE J1995:2014				
Net Torque (1,300 rpm)	1170 N·m	863 lbf-ft		
ISO 9249:2007, SAE J1349:2011				
Displacement	7.01 L			

- 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 the following lowercarbon 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.
- ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Operating Specifications		
Static Tipping Load – Full 40° Turn		
With Tire Deflection	10 936 kg	24,110 lb
No Tire Deflection	11 631 kg	25,642 lb
Breakout Force	152 kN	34.171 lbf

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

Buckets		
Bucket Capacities	2.5-9.9 m ³	3.3-13.0 yd ³

Weight			
Operating Weight	18 076 kg	39,851 lb	

• Weight based on a machine configuration with Z-bar linkage, Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product LinkTM, front manual differential/open rear axles, powertrain guard, secondary steering, sound suppression, and a 3.1 m³ (4.1 yd³) general purpose bucket with bolt-on cutting edges (BOCE).

Engine – U.S. EPA Tier 4 Fina	I/EU Stage \	V
Engine Model	Cat C7.1	
Meets U.S. EPA Tier 4 Final, EU Stage	V, and Japan 20	014 emission
standards.		
Engine Power @ 2,100 rpm	186 kW	249 hp
ISO 14396:2002	253 hp (meta	ric)
Gross Power @ 2,100 rpm	188 kW	253 hp
SAE J1995:2014	257 hp (meta	ric)
Net Power @ 2,100 rpm	172 kW	231 hp
ISO 9249:2007, SAE J1349:2011	235 hp (meta	ric)
Engine Torque (1,300 rpm)	1231 N·m	908 lbf-ft
ISO 14396:2002		
Gross Torque (1,300 rpm)	1242 N·m	916 lbf-ft
SAE J1995:2014		
Net Torque (1,300 rpm)	1170 N·m	863 lbf-ft
ISO 9249:2007, SAE J1349:2011		
Displacement	7.01 L	

- 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) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
- 20% 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.

- * While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.
- ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.
- *** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Transmission		
Forward 1	6.9 km/h	4.3 mph
Forward 2	12.0 km/h	7.5 mph
Forward 3	19.3 km/h	12.0 mph
Forward 4	25.7 km/h	16.0 mph
Forward 5	39.5 km/h	24.5 mph
Reverse 1	6.9 km/h	4.3 mph
Reverse 2	12.0 km/h	7.5 mph
Reverse 3	25.7 km/h	16.0 mph
Reverse 4	N/A	N/A

• Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a CO, equivalent of 2.288 metric tonnes (2.522 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.389 kg (3.1 lb) of refrigerant which has a CO, equivalent of 0.001 metric tonnes (0.001 tons).

Hydraulic System		
Implement Pump Type	Variable Disp Piston, Load S	
Implement System:		
Maximum Pump Output (2,340 rpm)	322 L/min	85 gal/min
Maximum Operating Pressure	27 900 kPa	4,047 psi
Optional 3 rd Function Maximum Flow at Work Tool	240 L/min	63 gal/min
Optional 3 rd Function Maximum Pressure at Work Tool	20 684 kPa	3,000 psi
Optional 4 th Function Maximum Flow at Work Tool	240 L/min	63 gal/min
Optional 4 th Function Maximum Pressure at Work Tool	20 684 kPa	3,000 psi
Hydraulic Cycle Time with Rated Payload	d:	
Raise from Carry Position	5.3 sec	
Dump at Maximum Raise	1.5 sec	
Lower, Empty, Float Down	3.0 sec	
Total	9.8 sec	

Sound	
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	107 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	69 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	104 dB(A)

^{*}Including countries that adopt the EU and UK directives.

^{**}European Union Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701.

Service Refill Capacities			
Fuel Tank	259.5 L	68.6 gal	
Diesel Exhaust Fluid (DEF) Tank (Tier 4 only)	15 L	4.0 gal	
Cooling System (Tier 4)	54 L	14.3 gal	
Cooling System (Tier 3)	54 L	14.3 gal	
Crankcase	21 L	5.5 gal	
Transmission	43 L	11.4 gal	
Differentials and Final Drives – Fron	t 43 L	11.4 gal	
Differentials and Final Drives – Rear	43 L	11.4 gal	
Hydraulic Tank	97 L	25.6 gal	
Brakes			
Brakes meet	ISO 3450:2011 s	standards	
Axles			
Front Fixed			
Rear Oscillating ±	Oscillating ±13 degrees		

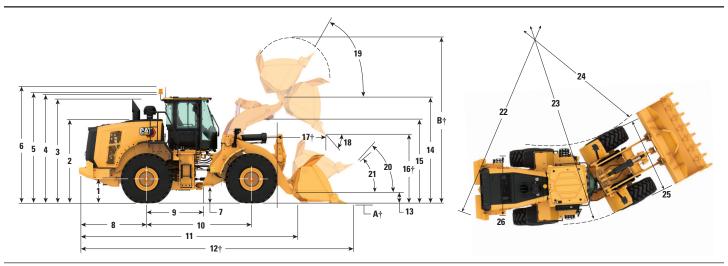
Cab

Rollover Protective Structure/Falling Objects Protective Structure (ROPS/FOPS)

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

Dimensions

All dimensions are approximate.



		Standard Lift		High	High Lift	
1	Height to Axle Centerline	734 mm	2'4"	734 mm	2'4"	
2	Height to Top of Hood	2695 mm	8'10"	2695 mm	8'10"	
3	Height to Top of Exhaust Pipe	3408 mm	11'2"	3408 mm	11'3"	
4	Height to Top of ROPS	3456 mm	11'4"	3456 mm	11'5"	
5	Height to Top of Product Link Antenna	3463 mm	11'4"	3463 mm	11'5"	
6	Height to Top of Warning Beacon	3736 mm	12'3"	3736 mm	12'4"	
7	Ground Clearance	354 mm	1'1"	354 mm	1'1"	
8	Centerline of Rear Axle to Edge of Counterweight	1942 mm	6'4"	2106 mm	6'11"	
9	Centerline of Rear Axle to Hitch	1675 mm	5'5"	1675 mm	5'6"	
10	Wheelbase	3350 mm	10'11"	3350 mm	11'0"	
11	Overall Length (without bucket)	6797 mm	22'3"	7462 mm	24'6"	
12	Shipping Length (with bucket level on ground)*†	8238 mm	27'0"	8750 mm	28'9"	
13	Hinge Pin Height at Carry Height	624 mm	2'0"	745 mm	2'5"	
14	Hinge Pin Height at Maximum Lift	3981 mm	13'0"	4476 mm	14'8"	
15	Lift Arm Clearance at Maximum Lift	3393 mm	11'1"	3776 mm	12'4"	
16	Dump Clearance at Maximum Lift and 45° Discharge*†	2844 mm	9'3"	3340 mm	10'11"	
17	Reach at Maximum Lift and 45° Discharge*†	1325 mm	4'4"	1393 mm	4'6"	
18	Dump Angle at Maximum Lift and Dump (on stops)*	53 deg	rees	50 deg	rees	
19	Rack Back at Maximum Lift*	60 deg	rees	65 degrees		
20	Rack Back at Carry Height*	49 deg	rees	54 deg	rees	
21	Rack Back at Ground*	41 deg	41 degrees		rees	
22	Clearance Circle (dia) to Counterweight	12 047 mm	39'7"	12 072 mm	39'8"	
23	Clearance Circle (dia) to Outside of Tires	12 028 mm	39'6"	12 028 mm	39'6"	
24	Clearance Circle (dia) to Inside of Tires	6380 mm	25'0"	6380 mm	25'0"	
25	Width over Tires (unloaded)	2800 mm	9'3"	2800 mm	9'3"	
	Width over Tires (loaded)	2824 mm	9'4"	2824 mm	9'4"	
26	Tread Width	2140 mm	7'0"	2140 mm	7'0"	

All height and tire related dimensions are with Bridgestone 23.5R25 VJT L3 radial tires (see Tire Options chart for other tires). "Width over Tires" dimensions are over the bulge and include growth.

[•]All dimensions are approximate and based on machine equipped with 3.1 m³ (4.1 yd³) general purpose pin-on bucket bucket with BOCE (see Operating Specifications for other buckets).

[†]Dimensions are listed in Operating Specifications charts.

Tire Options

Tire Brand	Bridgestone	Michelin	Michelin	Michelin	Michelin
Tire Size	23.5R25	23.5R25	23.5R25	750/65R25	23.5R25
Tread Type	L-3	L-5	L-5	L-3	L–2
Tread Pattern	VJT	XHA2	XLD D2	XLD	XTLA
Width over Tires – Maximum (empty)*	2800 mm 9'3"	2816 mm 9'3"	2819 mm 9'4"	2934 mm 9'8"	2814 mm 9'3"
Width over Tires – Maximum (loaded)*	2824 mm 9'4"	2828 mm 9'4"	2834 mm 9'4"	2968 mm 9'9"	2820 mm 9'4"
Change in Vertical Dimensions (average of front and rear)		10 mm 0.4"	40 mm 1.6"	12 mm 0.5"	13 mm 0.5"
Change in Horizontal Reach		-6 mm -0.2"	-31 mm -1.2"	5 mm 0.2"	-7 mm -0.3"
Change in Clearance Circle to Outside of Tires		4 mm 0.2"	11 mm 0.4"	144 mm 5.7"	-4 mm -0.1"
Change in Clearance Circle to Inside of Tires		-4 mm -0.2"	-11 mm -0.4"	-144 mm -5.7"	4 mm 0.1"
Change in Operating Weight (without ballast)		-156 kg -344 lb	500 kg 1,103 lb	633 kg 1,395 lb	-192 kg -423 lb
Change in Static Tipping Load – Straight		-104 kg -229 lb	333 kg 733 lb	421 kg 928 lb	-128 kg -282 lb
Change in Static Tipping Load – Articulated		-90 kg -200 lb	290 kg 639 lb	367 kg 809 lb	-112 kg -248 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±8 degrees	±8 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	481 mm 1'7"	481 mm 1'7"	298 mm 1'0"	298 mm 1'0"	481 mm 1'7"

^{*}Width over tire bulge and includes tire growth.

Tire Brand	Michelin	Bridgestone	Bridgestone	Bridgestone	Bridgestone
Tire Size	23.5R25	23.5R25	23.5R25	23.5R25	23.5-25
Tread Type	L-2	L-2	L-2	L-5	L-3
Tread Pattern	XSNO	VUT	VSW	VSDL	VL2
Width over Tires – Maximum (empty)*	2833 mm	2827 mm	2805 mm	2787 mm	2770 mm
	9'4"	9'4"	9'3"	9'2"	9'2"
Width over Tires – Maximum (loaded)*	2841 mm	2820 mm	2823 mm	2804 mm	2790 mm
	9'4"	9'4"	9'4"	9'3"	9'2"
Change in Vertical Dimensions (average of front and rear)	9 mm	0 mm	10 mm	65 mm	19 mm
	0.4"	0"	0.4"	2.6"	0.8"
Change in Horizontal Reach	-5 mm	0 mm	2 mm	-36 mm	-4 mm
	-0.2"	0"	0.1"	-1.4"	-0.1"
Change in Clearance Circle to Outside of Tires	18 mm	-3 mm	-1 mm	-20 mm	-34 mm
	0.7"	-0.1"	0"	-0.8"	-1.3"
Change in Clearance Circle to Inside of Tires	-18 mm	3 mm	1 mm	20 mm	34 mm
	-0.7"	0.1"	0"	0.8"	1.3"
Change in Operating Weight (without ballast)	-144 kg	-120 kg	-60 kg	700 kg	-268 kg
	-318 lb	-265 lb	-132 lb	1,544 lb	-591 lb
Change in Static Tipping Load – Straight	-96 kg	-80 kg	-40 kg	466 kg	-178 kg
	-211 lb	-176 lb	-88 lb	1,026 lb	-393 lb
Change in Static Tipping Load – Articulated	-84 kg	-70 kg	-35 kg	406 kg	-155 kg
	-186 lb	-153 lb	-77 lb	895 lb	-343 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±8 degrees	±8 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	481 mm	481 mm	298 mm	298 mm	481 mm
	1'7"	1'7"	1'0"	1'0"	1'7"

^{*}Width over tire bulge and includes tire growth.

Tire Options

Tire Brand	Bridgestone	Firestone	Maxam	Maxam	Maxam
Tire Size	750/65R25	23.5-25	23.5R25	23.5R25	23.5R25
Tread Type	L-3	L-5	L-2	L-2	L-3
Tread Pattern	VTS	SDT LD	MS202	MS203	MS302
Width over Tires – Maximum (empty)*	2930 mm	2776 mm	2810 mm	2811 mm	2820 mm
	9'8"	9'2"	9'3"	9'3"	9'4"
Width over Tires – Maximum (loaded)*	2951 mm	2799 mm	2828 mm	2823 mm	2828 mm
	9'9"	9'3"	9'4"	9'4"	9'4"
Change in Vertical Dimensions (average of front and rear)	19 mm	62 mm	11 mm	-2 mm	14 mm
	0.7"	2.4"	0.4"	-0.1"	0.5"
Change in Horizontal Reach	-4 mm	-44 mm	-7 mm	-2 mm	-15 mm
	-0.2"	-1.7"	-0.3"	-0.1"	-0.6"
Change in Clearance Circle to Outside of Tires	128 mm	-24 mm	5 mm	0 mm	4 mm
	5.0"	-1.0"	0.2"	0"	0.2"
Change in Clearance Circle to Inside of Tires	-128 mm	24 mm	-5 mm	0 mm	-4 mm
	-5.0"	1.0"	-0.2"	0"	-0.2"
Change in Operating Weight (without ballast)	737 kg	500 kg	-32 kg	-188 kg	0 kg
	1,625 lb	1,103 lb	-71 lb	-415 lb	0 lb
Change in Static Tipping Load – Straight	490 kg	333 kg	-21 kg	-125 kg	0 kg
	1,080 lb	733 lb	-47 lb	-276 lb	0 lb
Change in Static Tipping Load – Articulated	427 kg	290 kg	-19 kg	-109 kg	0 kg
	942 lb	639 lb	-41 lb	-240 lb	0 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	298 mm	298 mm	481 mm	481 mm	481 mm
	1'0"	1'0"	1'7"	1'7"	1'7"

^{*}Width over tire bulge and includes tire growth.

Tire Brand	Maxam	Triangle	Triangle	Brawler	Brawler
Tire Size	23.5R25	23.5-25	23.5R25	23.5X25	23.5X25
Tread Type	L-5	L-3	L-3		
Tread Pattern	MS503	TL612	TB516	Smooth	Traction
Width over Tires – Maximum (empty)*	2780 mm 9'2"	2781 mm 9'2"	2785 mm 9'2"	2140 mm 7'1"	2140 mm 7'1"
Width over Tires – Maximum (loaded)*	2803 mm 9'3"	2809 mm 9'3"	2799 mm 9'3"	2140 mm 7'1"	2140 mm 7'1"
Change in Vertical Dimensions (average of front and rear)	58 mm 2.3"	1 mm 0"	43 mm 1.7"	65 mm 2.5"	65 mm 2.5"
Change in Horizontal Reach	-33 mm -1.3"	-8 mm -0.3"	-13 mm -0.5"	-15 mm -0.6"	-15 mm -0.6"
Change in Clearance Circle to Outside of Tires	-21 mm -0.8"	-15 mm -0.6"	-25 mm -1.0"	-684 mm -26.9"	-684 mm -26.9"
Change in Clearance Circle to Inside of Tires	21 mm 0.8"	15 mm 0.6"	25 mm 1.0"	684 mm 26.9"	684 mm 26.9"
Change in Operating Weight (without ballast)	472 kg 1,041 lb	-548 kg -1,208 lb	-452 kg -997 lb		
Change in Static Tipping Load – Straight	314 kg 692 lb	-366 kg -806 lb	-302 kg -665 lb		
Change in Static Tipping Load – Articulated	274 kg 604 lb	-319 kg -703 lb	-263 kg -580 lb		
Rear Axle Oscillation Angle	±8 degrees	±13 degrees	±13 degrees	±8 degrees	±8 degrees
Maximum Single-Wheel Rise and Fall	298 mm 1'0"	481 mm 1'7"	481 mm 1'7"	298 mm 1'0"	298 mm 1'0"

 $^{{}^*\!}W$ idth over tire bulge and includes tire growth.

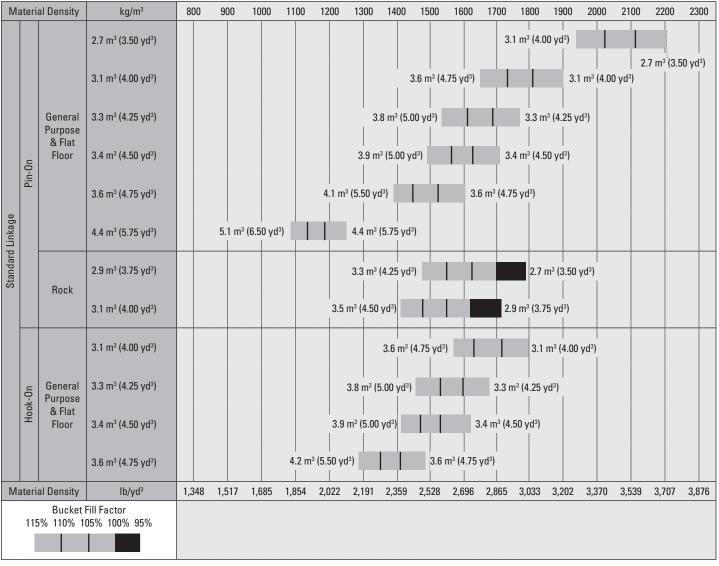
Bucket Fill Factors and Selection Guide

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 7546:1983 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



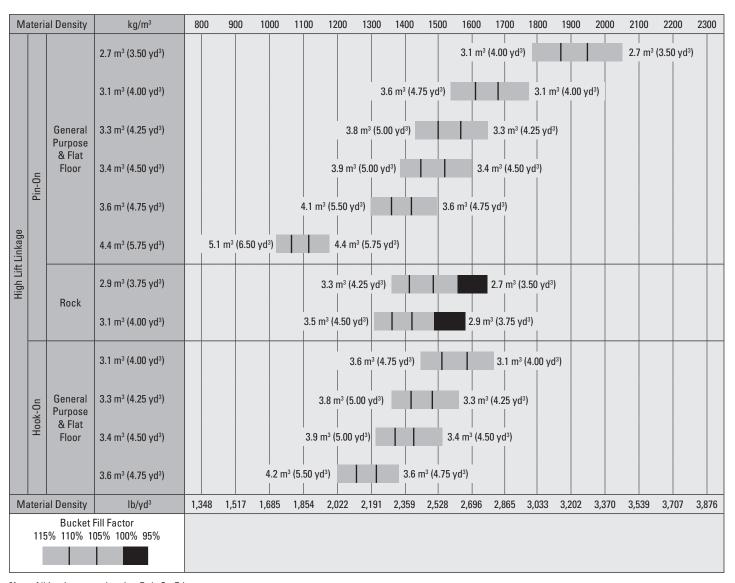
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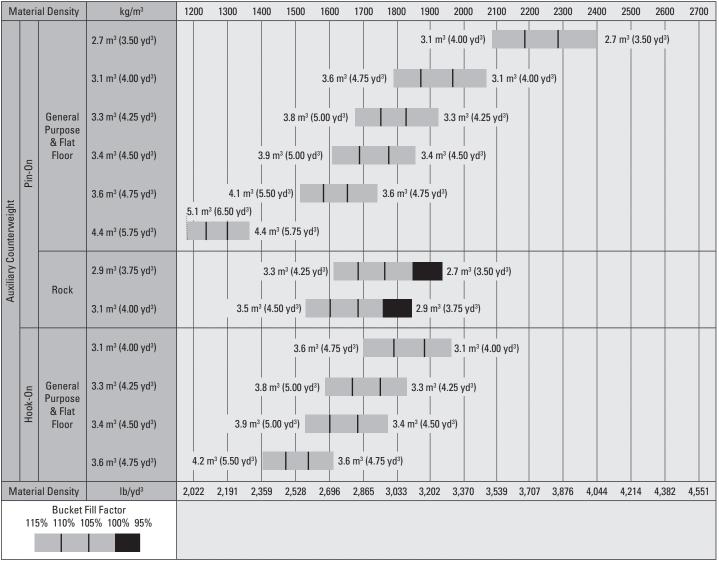
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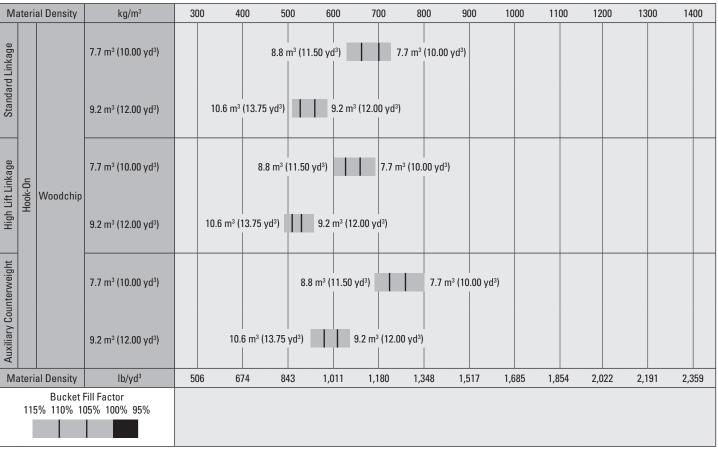
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Loose Material		Fill Factor (%)*	Material Density
Earth/Clay		115	1.5-1.7
Sand and Gravel		115	1.5-1.7
Aggregate:	25-76 mm (1 to 3 in)	110	1.6-1.7
	19 mm (0.75 in) and smaller	105	1.8
Rock:	76 mm (3 in) and larger	100	1.6

^{*}As a % of ISO 7546:1983 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Operating Specifications – Buckets

Linkage				Standard	Linkage		
Bucket Type				General Purp	ose – Pin-On	-	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	2.70	2.70	3.10	3.10	3.30	3.30
	yd^3	3.50	3.50	4.00	4.00	4.25	4.25
Capacity – Rated at 110% Fill Factor	m^3	3.00	3.00	3.40	3.40	3.60	3.60
	yd^3	4.00	4.00	4.50	4.50	4.75	4.75
Width	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
16 † Dump Clearance at Maximum Lift	mm	2924	2809	2844	2726	2805	2687
and 45° Discharge	ft/in	9'7"	9'2"	9'3"	8'11"	9'2"	8'9"
17† Reach at Maximum Lift and	mm	1269	1383	1325	1436	1355	1465
45° Discharge	ft/in	4'1"	4'6"	4'4"	4'8"	4'5"	4'9"
Reach at Level Lift Arm and	mm	2533	2694	2633	2794	2683	2844
Bucket Level	ft/in	8'3"	8'10"	8'7"	9'2"	8'9"	9'3"
A† Digging Depth	mm	101	101	101	101	101	101
	in	4"	4"	4"	4"	4"	4"
12† Overall Length	mm	8138	8313	8238	8413	8288	8463
	ft/in	26'9"	27'4"	27'1"	27'8"	27'3"	27'10"
B † Overall Height with Bucket at	mm	5351	5351	5313	5313	5488	5488
Maximum Lift	ft/in	17'7"	17'7"	17'6"	17'6"	18'1"	18'1"
Loader Clearance Circle Radius	mm	6652	6733	6679	6761	6693	6775
with Bucket at Carry Position	ft/in	21'10"	22'2"	21'11"	22'3"	22'0"	22'3"
Static Tipping Load, Straight	kg	12 822	12 684	12 639	12 499	12 543	12 402
(With tire deflection)	lb	28,269	27,964	27,865	27,557	27,653	27,343
Static Tipping Load, Straight	kg	13 507	13 368	13 329	13 187	13 234	13 092
(No tire deflection)	lb	29,779	29,471	29,385	29,073	29,177	28,864
Static Tipping Load,	kg	11 109	10 970	10 935	10 795	10 844	10 704
Articulated (With tire deflection)	lb	24,491	24,186	24,109	23,800	23,908	23,598
Static Tipping Load, Articulated	kg	11 799	11 660	11 630	11 489	11 541	11 399
(No tire deflection)	lb	26,013	25,706	25,641	25,329	25,445	25,132
Breakout Force(§)	kN	166	164	152	150	145	144
/	lbf	37,312	37,041	34,191	33,922	32,799	32,532
Operating Weight*	kg	17 988	18 096	18 077	18 185	18 122	18 230
	lb	39,656	39,894	39,852	40,090	39,951	40,189

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		Standar	rd Linkage		
Bucket Type	General Purpose – Pin On				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.40	3.40	3.60	3.60
	yd^3	4.50	4.50	4.75	4.75
Capacity – Rated at 110% Fill Factor	m ³	3.70	3.70	4.00	4.00
	yd^3	4.75	4.75	5.25	5.25
Width	mm	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"
16 † Dump Clearance at Maximum Lift	mm	2779	2660	2733	2614
and 45° Discharge	ft/in	9'1"	8'8"	8'11"	8'6"
17† Reach at Maximum Lift and	mm	1377	1487	1413	1523
45° Discharge	ft/in	4'6"	4'10"	4'7"	4'11"
Reach at Level Lift Arm and	mm	2718	2879	2778	2939
Bucket Level	ft/in	8'11"	9'5"	9'1"	9'7"
A† Digging Depth	mm	101	101	101	101
	in	4"	4"	4"	4"
12† Overall Length	mm	8323	8498	8383	8558
	ft/in	27'4"	27'11"	27'7"	28'1"
B † Overall Height with Bucket at	mm	5517	5517	5575	5575
Maximum Lift	ft/in	18'2"	18'2"	18'4"	18'4"
Loader Clearance Circle Radius	mm	6702	6785	6719	6802
with Bucket at Carry Position	ft/in	22'0"	22'4"	22'1"	22'4"
Static Tipping Load, Straight	kg	12 481	12 340	12 365	12 222
(With tire deflection)	lb	27,517	27,205	27,260	26,946
Static Tipping Load, Straight	kg	13 174	13 031	13 060	12 916
(No tire deflection)	lb	29,044	28,730	28,792	28,475
Static Tipping Load,	kg	10 786	10 644	10 675	10 533
Articulated (With tire deflection)	lb	23,779	23,467	23,536	23,222
Static Tipping Load, Articulated	kg	11 484	11 341	11 376	11 232
(No tire deflection)	lb	25,319	25,004	25,080	24,764
Breakout Force(§)	kN	141	140	135	134
	lbf	31,885	31,618	30,410	30,145
Operating Weight*	kg	18 152	18 260	18 210	18 318
	lb	40,017	40,255	40,145	40,383

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage			Standar	d Linkage	
Bucket Type	General Purpose — Hook-On — Fusion™				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.10	3.10	3.30	3.30
	yd^3	4.00	4.00	4.25	4.25
Capacity – Rated at 110% Fill Factor	m ³	3.40	3.40	3.60	3.60
	yd³	4.50	4.50	4.75	4.75
Width	mm	2927	2994	2958	2999
	ft/in	9'7"	9'9"	9'8"	9'10"
16† Dump Clearance at Maximum Lift	mm	2802	2685	2763	2646
and 45° Discharge	ft/in	9'2"	8'9"	9'0"	8'8"
17† Reach at Maximum Lift and	mm	1361	1473	1391	1497
45° Discharge	ft/in	4'5"	4'10"	4'6"	4'10"
Reach at Level Lift Arm and	mm	2688	2849	2738	2894
Bucket Level	ft/in	8'9"	9'4"	8'11"	9'5"
A† Digging Depth	mm	109	109	109	109
	in	4.3"	4.3"	4.3"	4.3"
12† Overall Length	mm	8300	8474	8350	8521
	ft/in	27'3"	27'10"	27'5"	28'0"
B † Overall Height with Bucket at	mm	5456	5456	5507	5507
Maximum Lift	ft/in	17'11"	17'11"	18'1"	18'1"
Loader Clearance Circle Radius	mm	6694	6776	6722	6792
with Bucket at Carry Position	ft/in	22'0"	22'3"	22'1"	22'4"
Static Tipping Load, Straight	kg	12 027	11 888	11 843	11 733
(With tire deflection)	lb	26,516	26,209	26,110	25,866
Static Tipping Load, Straight	kg	12 704	12 563	12 521	12 410
(No tire deflection)	lb	28,007	27,697	27,605	27,359
Static Tipping Load,	kg	10 350	10 210	10 170	10 060
Articulated (With tire deflection)	lb	22,818	22,510	22,422	22,179
Static Tipping Load, Articulated	kg	11 032	10 891	10 855	10 743
(No tire deflection)	lb	24,322	24,012	23,931	23,685
Breakout Force(§)	kN	145	143	138	137
	lbf	32,606	32,336	31,154	30,928
Operating Weight*	kg	18 555	18 663	18 681	18 764
	lb	40,906	41,144	41,184	41,367

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage			Standard Linkage	
Bucket Type		General Purpose –	Hook-On — Fusion	General Purpose – Hook-On – Fusion – Abrasion
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges
Capacity – Rated	m^3	3.40	3.40	3.60
	yd^3	4.50	4.50	4.75
Capacity – Rated at 110% Fill Factor	m ³	3.70	3.70	4.00
	yd^3	4.75	4.75	5.25
Width	mm	2927	2994	2956
	ft/in	9'7"	9'9"	9'8"
16† Dump Clearance at Maximum Lift	mm	2737	2618	2688
and 45° Discharge	ft/in	8'11"	8'7"	8'9"
17† Reach at Maximum Lift and	mm	1413	1523	1453
45° Discharge	ft/in	4'7"	4'11"	4'9"
Reach at Level Lift Arm and	mm	2773	2934	2837
Bucket Level	ft/in	9'1"	9'7"	9'3"
A† Digging Depth	mm	109	109	109
	in	4.3"	4.3"	4.3"
12† Overall Length	mm	8385	8559	8449
	ft/in	27'7"	28'1"	27'9"
B† Overall Height with Bucket at	mm	5536	5536	5613
Maximum Lift	ft/in	18'2"	18'2"	18'5"
Loader Clearance Circle Radius	mm	6718	6801	6754
with Bucket at Carry Position	ft/in	22'1"	22'4"	22'2"
Static Tipping Load, Straight	kg	11 876	11 735	11 623
(With tire deflection)	lb	26,182	25,871	25,626
Static Tipping Load, Straight	kg	12 555	12 413	12 299
(No tire deflection)	lb	27,680	27,366	27,114
Static Tipping Load,	kg	10 206	10 065	9966
Articulated (With tire deflection)	lb	22,500	22,190	21,971
Static Tipping Load, Articulated	kg	10 891	10 749	10 647
(No tire deflection)	lb	24,012	23,698	23,474
Breakout Force(§)	kN	135	134	128
	lbf	30,474	30,206	28,881
Operating Weight*	kg	18 631	18 739	18 768
	lb	41,073	41,311	41,375

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

^(§) 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets (continued)

Linkage	Standa	rd Linkage			
Bucket Type			Flat Floo	or – Pin-On	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.20	3.20	3.40	3.40
	yd^3	4.25	4.25	4.50	4.50
Capacity – Rated at 110% Fill Factor	m ³	3.50	3.50	3.70	3.70
	yd^3	4.50	4.50	4.75	4.75
Width	mm	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"
16† Dump Clearance at Maximum Lift	mm	2744	2619	2709	2584
and 45° Discharge	ft/in	9'0"	8'7"	8'10"	8'5"
17† Reach at Maximum Lift and	mm	1261	1364	1297	1399
45° Discharge	ft/in	4'1"	4'5"	4'3"	4'7"
Reach at Level Lift Arm and	mm	2678	2839	2728	2889
Bucket Level	ft/in	8'9"	9'3"	8'11"	9'5"
A† Digging Depth	mm	109	109	109	109
	in	4.3"	4.3"	4.3"	4.3"
12† Overall Length	mm	8290	8464	8340	8514
	ft/in	27'3"	27'10"	27'5"	28'0"
B † Overall Height with Bucket at	mm	5478	5478	5527	5527
Maximum Lift	ft/in	18'0"	18'0"	18'2"	18'2"
Loader Clearance Circle Radius	mm	6695	6777	6709	6791
with Bucket at Carry Position	ft/in	22'0"	22'3"	22'1"	22'4"
Static Tipping Load, Straight	kg	12 430	12 291	12 339	12 198
(With tire deflection)	lb	27,404	27,097	27,203	26,893
Static Tipping Load, Straight	kg	13 106	12 965	13 017	12 875
(No tire deflection)	lb	28,894	28,583	28,697	28,385
Static Tipping Load,	kg	10 748	10 608	10 661	10 521
Articulated (With tire deflection)	lb	23,696	23,388	23,504	23,194
Static Tipping Load, Articulated	kg	11 430	11 289	11 345	11 203
(No tire deflection)	lb	25,199	24,888	25,012	24,700
Breakout Force(§)	kN	146	145	140	139
/	lbf	32,907	32,638	31,602	31,333
Operating Weight*	kg	18 109	18 217	18 157	18 265
	lb	39,922	40,161	40,028	40,266

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage				Standard Linkage		
Bucket Type		Flat Floor	– Pin-On	Flat Floor – Pin-On – Light Material	Flat Floor – Hoo	k-On – Fusion
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.80	3.80	4.40	3.80	3.80
	yd^3	5.00	5.00	5.75	5.00	5.00
Capacity – Rated at 110% Fill Factor	m ³	4.20	4.20	4.80	4.20	4.20
	yd^3	5.50	5.50	6.25	5.50	5.50
Width	mm	2927	2994	3059	2927	2994
	ft/in	9'7"	9'9"	10'0"	9'7"	9'9"
16† Dump Clearance at Maximum Lift	mm	2631	2505	2575	2596	2470
and 45° Discharge	ft/in	8'7"	8'2"	8'5"	8'6"	8'1"
17† Reach at Maximum Lift and	mm	1375	1478	1419	1410	1512
45° Discharge	ft/in	4'6"	4'10"	4'7"	4'7"	4'11"
Reach at Level Lift Arm and	mm	2839	3000	2909	2888	3049
Bucket Level	ft/in	9'3"	9'10"	9'6"	9'5"	10'0"
A† Digging Depth	mm	109	109	117	109	109
	in	4.3"	4.3"	4.6"	4.3"	4.3"
12† Overall Length	mm	8451	8625	8527	8500	8674
	ft/in	27'9"	28'4"	28'0"	27'11"	28'6"
B † Overall Height with Bucket at	mm	5626	5626	5704	5656	5656
Maximum Lift	ft/in	18'6"	18'6"	18'9"	18'7"	18'7"
Loader Clearance Circle Radius	mm	6740	6823	6822	6751	6835
with Bucket at Carry Position	ft/in	22'2"	22'5"	22'5"	22'2"	22'6"
Static Tipping Load, Straight	kg	12 144	12 001	11 880	11 620	11 478
(With tire deflection)	lb	26,773	26,459	26,191	25,618	25,305
Static Tipping Load, Straight	kg	12 827	12 683	12 565	12 296	12 153
(No tire deflection)	lb	28,279	27,963	27,701	27,108	26,793
Static Tipping Load,	kg	10 475	10 333	10 222	9969	9828
Articulated (With tire deflection)	lb	23,095	22,781	22,535	21,979	21,667
Static Tipping Load, Articulated	kg	11 165	11 021	10 913	10 652	10 509
(No tire deflection)	lb	24,615	24,298	24,059	23,484	23,168
Breakout Force(§)	kN	129	127	121	124	123
	lbf	29,009	28,742	27,368	27,942	27,676
Operating Weight*	kg	18 259	18 367	18 415	18 723	18 831
	lb	40,253	40,491	40,597	41,276	41,514

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

^(§) 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets (continued)

Linkage		Standard Linkage					
Bucket Type		Multi-Purpos	se – Pin-On	Multi-Purpose – F	look-On – Fusion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	m^3	2.80	2.80	2.90	2.90		
	yd^3	3.50	3.50	3.75	3.75		
Capacity – Rated at 110% Fill Factor	m ³	3.00	3.00	3.20	3.20		
	yd³	4.00	4.00	4.25	4.25		
Width	mm	2942	2999	3007	3000		
	ft/in	9'7"	9'10"	9'10"	9'10"		
16† Dump Clearance at Maximum Lift	mm	2944	2836	2936	2827		
and 45° Discharge	ft/in	9'7"	9'3"	9'7"	9'3"		
17† Reach at Maximum Lift and	mm	1318	1434	1408	1527		
45° Discharge	ft/in	4'3"	4'8"	4'7"	5'0"		
Reach at Level Lift Arm and	mm	2538	2695	2615	2776		
Bucket Level	ft/in	8'3"	8'10"	8'6"	9'1"		
A† Digging Depth	mm	137	137	89	89		
	in	5.3"	5.3"	3.5"	3.5"		
12† Overall Length	mm	8172	8343	8212	8388		
	ft/in	26'10"	27'5"	27'0"	27'7"		
B † Overall Height with Bucket at	mm	5268	5268	5354	5354		
Maximum Lift	ft/in	17'4"	17'4"	17'7"	17'7"		
Loader Clearance Circle Radius	mm	6675	6751	6702	6751		
with Bucket at Carry Position	ft/in	21'11"	22'2"	22'0"	22'2"		
Static Tipping Load, Straight	kg	12 174	12 022	11 757	11 626		
(With tire deflection)	lb	26,840	26,504	25,919	25,632		
Static Tipping Load, Straight	kg	12 845	12 691	12 451	12 319		
(No tire deflection)	lb	28,318	27,979	27,450	27,159		
Static Tipping Load,	kg	10 481	10 329	10 067	9937		
Articulated (With tire deflection)	lb	23,108	22,772	22,194	21,907		
Static Tipping Load, Articulated	kg	11 158	11 004	10 766	10 635		
(No tire deflection)	lb	24,599	24,260	23,737	23,446		
Breakout Force(§)	kN	163	161	152	150		
/	lbf	36,642	36,325	34,181	33,913		
Operating Weight*	kg	18 478	18 596	18 948	19 048		
	lb	40,736	40,996	41,773	41,992		

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		Standard Linkage				
Bucket Type		High Dump — Hook-On — Fusion				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges			
Capacity – Rated	m ³	4.30	6.10			
	yd^3	5.50	8.00			
Capacity – Rated at 110% Fill Factor	m ³	4.70	6.70			
	yd^3	6.25	8.75			
Width	mm	3029	2910			
	ft/in	9'11"	9'6"			
16† Dump Clearance at Maximum Height	mm	4610	4514			
and High Dump Fully Rolled Out (42°)	ft/in	15'1"	14'8"			
17† Reach at Maximum Height and High	mm	1648	1790			
Dump Fully Rolled Out (42°)	ft/in	5'4"	5'9"			
Reach at Level Lift Arm and	mm	3095	3241			
Bucket Level	ft/in	10'1"	10'7"			
A† Digging Depth	mm	171	176			
	in	6.7"	6.9"			
2† Overall Length	mm	8754	8904			
	ft/in	28'9"	29'3"			
B † Overall Height at Maximum Height and	mm	6476	6804			
High Dump Fully Rolled Out (42°)	ft/in	21'2"	22'3"			
Loader Clearance Circle Radius	mm	6882	6875			
with Bucket at Carry Position	ft/in	22'7"	22'7"			
Static Tipping Load, Straight	kg	10 539	10 308			
(With tire deflection)	lb	23,236	22,726			
Static Tipping Load, Straight	kg	11 182	11 011			
(No tire deflection)	lb	24,652	24,276			
Static Tipping Load,	kg	8946	8689			
Articulated (With tire deflection)	lb	19,723	19,156			
Static Tipping Load, Articulated	kg	9596	9396			
(No tire deflection)	lb	21,156	20,715			
Breakout Force (§)	kN	105	95			
	lbf	23,812	21,377			
Operating Weight*	kg	19 298	19 658			
	lb	42,544	43,337			

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		Standard Linkage	
Bucket Type		Woodchip – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	
Capacity – Rated	m^3	7.70	
	yd^3	10.00	
Capacity – Rated at 110% Fill Factor	m^3	8.40	
	yd^3	11.00	
Width	mm	3330	
	ft/in	10'11"	
16 † Dump Clearance at Maximum Lift	mm	2424	
and 45° Discharge	ft/in	7'11"	
17† Reach at Maximum Lift and	mm	1589	
45° Discharge	ft/in	5'2"	
Reach at Level Lift Arm and	mm	3136	
Bucket Level	ft/in	10'3"	
A† Digging Depth	mm	104	
	in	4.1"	
12† Overall Length	mm	8745	
	ft/in	28'9"	
B † Overall Height with Bucket at	mm	6107	
Maximum Lift	ft/in	20'1"	
Loader Clearance Circle Radius	mm	7003	
with Bucket at Carry Position	ft/in	23'0"	
Static Tipping Load, Straight	kg	12 137	
(With tire deflection)	lb	26,758	
Static Tipping Load, Straight	kg	12 956	
(No tire deflection)	lb	28,564	
Static Tipping Load,	kg	10 391	
Articulated (With tire deflection)	lb	22,910	
Static Tipping Load, Articulated	kg	11 212	
(No tire deflection)	lb	24,718	
Breakout Force(§)	kN	105	
	lbf	23,623	
Operating Weight*	kg	18 851	
	lb	41,558	

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		Standard Linkage				
Bucket Type		Rock, Spade – Pin-On***				
Edge Type		Teeth and Segments	Teeth and Segments			
Capacity – Rated	m^3	2.90	3.10			
	yd^3	3.75	4.00			
Capacity – Rated at 110% Fill Factor	m^3	3.20	3.40			
	yd^3	4.25	4.50			
Width	mm	2994	2992			
	ft/in	9'9"	9'9"			
16† Dump Clearance at Maximum Lift	mm	2680	2634			
and 45° Discharge	ft/in	8'9"	8'7"			
17† Reach at Maximum Lift and	mm	1579	1601			
45° Discharge	ft/in	5'2"	5'3"			
Reach at Level Lift Arm and	mm	2960	3010			
Bucket Level	ft/in	9'8"	9'10"			
A† Digging Depth	mm	51	42			
	in	2"	1.6"			
2† Overall Length	mm	8565	8615			
	ft/in	28'2"	28'4"			
B † Overall Height with Bucket at	mm	5418	5501			
Maximum Lift	ft/in	17'10"	18'1"			
Loader Clearance Circle Radius	mm	6817	6831			
with Bucket at Carry Position	ft/in	22'5"	22'5"			
Static Tipping Load, Straight	kg	12 659	12 851			
(With tire deflection)	lb	27,909	28,332			
Static Tipping Load, Straight	kg	13 394	13 588			
(No tire deflection)	lb	29,529	29,956			
Static Tipping Load,	kg	10 876	11 073			
Articulated (With tire deflection)	lb	23,977	24,413			
Static Tipping Load, Articulated	kg	11 615	11 815			
(No tire deflection)	lb	25,608	26,049			
Breakout Force(§)	kN	135	130			
	lbf	30,415	29,413			
Operating Weight*	kg	19 305	19 055			
	lb	42,559	42,008			

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage	Standard Linkage					
Bucket Type	Side Dump – Pin-On – Abrasion					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments			
Capacity – Rated	m^3	2.50	2.50			
	yd^3	3.25	3.25			
Capacity – Rated at 110% Fill Factor	m^3	2.80	2.80			
	yd³	3.75	3.75			
Width	mm	3065	3166			
	ft/in	10'0"	10'4"			
16† Dump Clearance at Maximum Lift	mm	2666	2508			
and 45° Discharge	ft/in	8'8"	8'2"			
17† Reach at Maximum Lift and	mm	1344	1447			
45° Discharge	ft/in	4'4"	4'8"			
Reach at Level Lift Arm and	mm	2791	2975			
Bucket Level	ft/in	9'1"	9'9"			
A† Digging Depth	mm	106	106			
	in	4.2"	4.2"			
2† Overall Length	mm	8401	8616			
	ft/in	27'7"	28'4"			
B† Overall Height with Bucket at	mm	5723	5723			
Maximum Lift	ft/in	18'10"	18'10"			
Loader Clearance Circle Radius	mm	6788	6900			
with Bucket at Carry Position	ft/in	22'4"	22'8"			
Static Tipping Load, Straight	kg	10 489	10 264			
(With tire deflection)	lb	23,126	22,628			
Static Tipping Load, Straight	kg	11 149	10 921			
(No tire deflection)	lb	24,581	24,077			
Static Tipping Load,	kg	8884	8659			
Articulated (With tire deflection)	lb	19,588	19,090			
Static Tipping Load, Articulated	kg	9551	9322			
(No tire deflection)	lb	21,057	20,553			
Breakout Force(§)	kN	128	126			
	lbf	28,819	28,391			
Operating Weight*	kg	19 459	19 636			
	11.	42.000	42.200			

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

42,899

lb

(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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

43,289

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage				High Lift	Linkage		
Bucket Type General Purpose – Pin-On							
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	2.70	2.70	3.10	3.10	3.30	3.30
	yd^3	3.50	3.50	4.00	4.00	4.25	4.25
Capacity – Rated at 110% Fill Factor	m^3	3.00	3.00	3.40	3.40	3.60	3.60
	yd^3	4.00	4.00	4.50	4.50	4.75	4.75
Width	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
16 † Dump Clearance at Maximum Lift	mm	3419	3304	3339	3222	3300	3182
and 45° Discharge	ft/in	11'2"	10'10"	10'11"	10'6"	10'9"	10'5"
17† Reach at Maximum Lift and	mm	1337	1451	1393	1504	1422	1533
45° Discharge	ft/in	4'4"	4'9"	4'6"	4'11"	4'8"	5'0"
Reach at Level Lift Arm and	mm	2939	3100	3039	3200	3089	3250
Bucket Level	ft/in	9'7"	10'2"	9'11"	10'5"	10'1"	10'7"
A† Digging Depth	mm	123	123	123	123	123	123
	in	4.8"	4.8"	4.8"	4.8"	4.8"	4.8"
12† Overall Length	mm	8650	8822	8750	8922	8800	8972
	ft/in	28'5"	29'0"	28'9"	29'4"	28'11"	29'6"
B † Overall Height with Bucket at	mm	5846	5846	5809	5809	5983	5983
Maximum Lift	ft/in	19'3"	19'3"	19'1"	19'1"	19'8"	19'8"
Loader Clearance Circle Radius	mm	6847	6788	6874	6820	6888	6837
with Bucket at Carry Position	ft/in	22'6"	22'4"	22'7"	22'5"	22'8"	22'6"
Static Tipping Load, Straight	kg	11 982	11 848	11 863	11 728	11 802	11 666
(With tire deflection)	lb	26,415	26,120	26,155	25,857	26,019	25,720
Static Tipping Load, Straight	kg	12 582	12 448	12 474	12 338	12 417	12 281
(No tire deflection)	lb	27,740	27,445	27,501	27,202	27,376	27,076
Static Tipping Load,	kg	10 273	10 139	10 156	10 021	10 096	9960
Articulated (With tire deflection)	lb	22,649	22,353	22,392	22,093	22,258	21,958
Static Tipping Load, Articulated	kg	10 892	10 758	10 785	10 650	10 730	10 594
(No tire deflection)	lb	24,013	23,718	23,777	23,479	23,655	23,355
Breakout Force(§)	kN	156	155	143	142	137	136
	lbf	35,191	34,903	32,235	31,950	30,917	30,634
Operating Weight*	kg	19 075	19 183	19 164	19 272	19 209	19 317
-	lb	42,052	42,290	42,248	42,486	42,347	42,585

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

^(§) 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets (continued)

Linkage	High Lift Linkage					
Bucket Type	-	General Pur	pose – Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	m^3	3.40	3.40	3.60	3.60	
	yd^3	4.50	4.50	4.75	4.75	
Capacity – Rated at 110% Fill Factor	m ³	3.70	3.70	4.00	4.00	
	yd^3	4.75	4.75	5.25	5.25	
Width	mm	2927	2994	2927	2994	
	ft/in	9'7"	9'9"	9'7"	9'9"	
16† Dump Clearance at Maximum Lift	mm	3274	3156	3228	3109	
and 45° Discharge	ft/in	10'8"	10'4"	10'7"	10'2"	
17† Reach at Maximum Lift and	mm	1445	1555	1481	1591	
45° Discharge	ft/in	4'8"	5'1"	4'10"	5'2"	
Reach at Level Lift Arm and	mm	3124	3285	3184	3345	
Bucket Level	ft/in	10'2"	10'9"	10'5"	10'11"	
A† Digging Depth	mm	123	123	123	123	
	in	4.8"	4.8"	4.8"	4.8"	
12† Overall Length	mm	8835	9007	8895	9067	
	ft/in	29'0"	29'7"	29'3"	29'9"	
B † Overall Height with Bucket at	mm	6012	6012	6071	6071	
Maximum Lift	ft/in	19'9"	19'9"	19'11"	19'11"	
Loader Clearance Circle Radius	mm	6897	6848	6914	6869	
with Bucket at Carry Position	ft/in	22'8"	22'6"	22'9"	22'7"	
Static Tipping Load, Straight	kg	11 762	11 625	11 684	11 547	
(With tire deflection)	lb	25,931	25,630	25,760	25,457	
Static Tipping Load, Straight	kg	12 381	12 244	12 309	12 171	
(No tire deflection)	lb	27,295	26,994	27,136	26,834	
Static Tipping Load,	kg	10 056	9919	9980	9842	
Articulated (With tire deflection)	lb	22,170	21,869	22,002	21,699	
Static Tipping Load, Articulated	kg	10 693	10 557	10 623	10 485	
(No tire deflection)	lb	23,575	23,274	23,419	23,116	
Breakout Force(§)	kN	133	132	127	126	
	lbf	30,050	29,768	28,652	28,373	
Operating Weight*	kg	19 239	19 347	19 297	19 405	
	lb	42,413	42,651	42,541	42,779	

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		High Lift Linkage					
Bucket Type			General Purpose	– Hook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	m^3	3.10	3.10	3.30	3.30		
	yd^3	4.00	4.00	4.25	4.25		
Capacity – Rated at 110% Fill Factor	m^3	3.40	3.40	3.60	3.60		
	yd^3	4.50	4.50	4.75	4.75		
Width	mm	2927	2994	2958	2999		
	ft/in	9'7"	9'9"	9'8"	9'10"		
16† Dump Clearance at Maximum Lift	mm	3297	3180	3258	3141		
and 45° Discharge	ft/in	10'9"	10'5"	10'8"	10'3"		
17† Reach at Maximum Lift and	mm	1429	1541	1459	1565		
45° Discharge	ft/in	4'8"	5'0"	4'9"	5'1"		
Reach at Level Lift Arm and	mm	3094	3255	3144	3300		
Bucket Level	ft/in	10'1"	10'8"	10'3"	10'9"		
A† Digging Depth	mm	131	131	131	131		
	in	5.1"	5.1"	5.1"	5.1"		
12† Overall Length	mm	8811	8982	8861	9029		
	ft/in	28'11"	29'6"	29'1"	29'8"		
B † Overall Height with Bucket at	mm	5951	5951	6002	6002		
Maximum Lift	ft/in	19'7"	19'7"	19'9"	19'9"		
Loader Clearance Circle Radius	mm	6890	6972	6918	6988		
with Bucket at Carry Position	ft/in	22'8"	22'11"	22'9"	23'0"		
Static Tipping Load, Straight	kg	11 293	11 158	11 144	11 038		
(With tire deflection)	lb	24,898	24,600	24,570	24,335		
Static Tipping Load, Straight	kg	11 900	11 765	11 757	11 650		
(No tire deflection)	lb	26,235	25,937	25,920	25,685		
Static Tipping Load,	kg	9604	9469	9456	9349		
Articulated (With tire deflection)	lb	21,174	20,875	20,847	20,612		
Static Tipping Load, Articulated	kg	10 229	10 094	10 087	9980		
(No tire deflection)	lb	22,551	22,254	22,238	22,003		
Breakout Force(§)	kN	136	135	130	129		
	lbf	30,722	30,438	29,339	29,098		
Operating Weight*	kg	19 642	19 750	19 768	19 851		
	lb	43,302	43,540	43,580	43,763		

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		High Lift Linkage				
Bucket Type		General Purpose –	Hook-On — Fusion	General Purpose – Hook-On – Fusion – Abrasion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges		
Capacity – Rated	m^3	3.40	3.40	3.60		
	yd^3	4.50	4.50	4.75		
Capacity – Rated at 110% Fill Factor	m^3	3.70	3.70	4.00		
	yd^3	4.75	4.75	5.25		
Width	mm	2927	2994	2956		
	ft/in	9'7"	9'9"	9'8"		
16† Dump Clearance at Maximum Lift	mm	3232	3114	3183		
and 45° Discharge	ft/in	10'7"	10'2"	10'5"		
17† Reach at Maximum Lift and	mm	1481	1591	1521		
45° Discharge	ft/in	4'10"	5'2"	4'11"		
Reach at Level Lift Arm and	mm	3179	3340	3243		
Bucket Level	ft/in	10'5"	10'11"	10'7"		
A† Digging Depth	mm	131	131	130		
	in	5.1"	5.1"	5.1"		
12† Overall Length	mm	8896	9067	8960		
	ft/in	29'3"	29'9"	29'5"		
B† Overall Height with Bucket at	mm	6031	6031	6108		
Maximum Lift	ft/in	19'10"	19'10"	20'1"		
Loader Clearance Circle Radius	mm	6914	6996	6950		
with Bucket at Carry Position	ft/in	22'9"	23'0"	22'10"		
Static Tipping Load, Straight	kg	11 193	11 057	10 985		
(With tire deflection)	1b	24,677	24,376	24,218		
Static Tipping Load, Straight	kg	11 808	11 671	11 601		
(No tire deflection)	1b	26,032	25,731	25,576		
Static Tipping Load,	kg	9505	9368	9304		
Articulated (With tire deflection)	1b	20,955	20,655	20,512		
Static Tipping Load, Articulated	kg	10 138	10 002	9938		
(No tire deflection)	lb	22,351	22,050	21,911		
Breakout Force(§)	kN	127	126	121		
	lbf	28,703	28,422	27,219		
Operating Weight*	kg	19 718	19 826	19 855		
	lb	43,469	43,707	43,771		

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Bolk-Order Flat Floor Fla	Teeth and Segments 3.40 4.50 3.70 4.75 2994 9'9" 3079 10'1" 1467
Edge Type Cutting Edges Segments Cutting Edges Capacity – Rated m³ 3.20 3.20 3.40 Capacity – Rated at 110% Fill Factor m³ 3.50 3.50 3.70 Capacity – Rated at 110% Fill Factor m³ 3.50 3.50 3.70 Width mm 2927 2994 2927 Width mm 3240 3114 3204 and 45° Discharge ft/in 10′7" 10′2" 10′6" 7† Reach at Maximum Lift and 45° Discharge mm 1329 1431 1365 45° Discharge ft/in 4′4" 4′8" 4′5" Reach at Level Lift Arm and Bucket Level mm 3084 3245 3134 Bucket Level ft/in 10′1" 10′7" 10′3" A† Digging Depth mm 131 131 131 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29′6" 29′1" B† Overall Height with Bucket at M	3.40 4.50 3.70 4.75 2994 9'9" 3079 10'1" 1467
Yell	4.50 3.70 4.75 2994 9'9" 3079 10'1" 1467
Capacity – Rated at 110% Fill Factor m³ 3.50 3.50 3.70 yd³ 4.50 4.50 4.75 Width mm 2927 2994 2927 ft/in 9'7" 9'9" 9'7" 6† Dump Clearance at Maximum Lift mm 3240 3114 3204 and 45° Discharge ft/in 10'7" 10'2" 10'6" 7† Reach at Maximum Lift and mm 1329 1431 1365 45° Discharge ft/in 4'4" 4'8" 4'5" Reach at Level Lift Arm and mm 3084 3245 3134 Bucket Level ft/in 10'1" 10'7" 10'3" A† Digging Depth mm 131 131 131 in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'10" <td>3.70 4.75 2994 9'9" 3079 10'1" 1467</td>	3.70 4.75 2994 9'9" 3079 10'1" 1467
yd³ 4.50 4.50 4.75 Width mm 2927 2994 2927 ft/in 9'7" 9'9" 9'7" 6† Dump Clearance at Maximum Lift mm 3240 3114 3204 and 45° Discharge ft/in 10'7" 10'2" 10'6" 7† Reach at Maximum Lift and 45° Discharge mm 1329 1431 1365 45° Discharge ft/in 4'4" 4'8" 4'5" Reach at Level Lift Arm and mm 3084 3245 3134 Bucket Level ft/in 10'1" 10'7" 10'3" A† Digging Depth mm 131 131 131 in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	4.75 2994 9'9" 3079 10'1" 1467
Width mm 2927 2994 2927 ft/in 9'7" 9'9" 9'7" 6† Dump Clearance at Maximum Lift and and 45° Discharge ft/in 10'7" 10'2" 10'6" 7† Reach at Maximum Lift and 45° Discharge mm 1329 1431 1365 45° Discharge ft/in 4'4" 4'8" 4'5" Reach at Level Lift Arm and mm 3084 3245 3134 Bucket Level ft/in 10'1" 10'7" 10'3" A† Digging Depth mm 131 131 131 in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	2994 9'9" 3079 10'1" 1467
ft/in 9'7" 9'9" 9'7" 6† Dump Clearance at Maximum Lift and and 45° Discharge ft/in 10'7" 10'2" 10'6" 7† Reach at Maximum Lift and 45° Discharge mm 1329 1431 1365 45° Discharge ft/in 4'4" 4'8" 4'5" Reach at Level Lift Arm and Bucket Level mm 3084 3245 3134 Bucket Level ft/in 10'1" 10'7" 10'3" A† Digging Depth mm 131 131 131 in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at Mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	9'9" 3079 10'1" 1467
6† Dump Clearance at Maximum Lift and 45° Discharge mm ft/in 3240 ft/in 3114 ft/in 3204 ft/in 7† Reach at Maximum Lift and 45° Discharge mm ft/in 1329 ft/in 1431 ft/in 1365 ft/in 45° Discharge ft/in 4'4" ft/in 4'8" ft/in 4'5" ft/in Reach at Level Lift Arm and Bucket Level mm ft/in 10'1" ft/in 10'7" ft/in 10'3" ft/in A† Digging Depth mm ft/in 5.1" ft/in 131 ft/in 131 ft/in 131 ft/in 131 ft/in 131 ft/in 5.1" ft/in 5.1" ft/in 5.1" ft/in 5.1" ft/in 5.1" ft/in 29'6" ft/in 29'1" ft/in 6023 ft/in 6023 ft/in 19'8" ft/in 19'10" ft/in <td>3079 10'1" 1467</td>	3079 10'1" 1467
and 45° Discharge ft/in 10'7" 10'2" 10'6" 7† Reach at Maximum Lift and 45° Discharge mm 1329 1431 1365 45° Discharge ft/in 4'4" 4'8" 4'5" Reach at Level Lift Arm and Bucket Level mm 3084 3245 3134 Bucket Level ft/in 10'1" 10'7" 10'3" A† Digging Depth mm 131 131 131 in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at Maximum Lift mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	10'1" 1467
7† Reach at Maximum Lift and mm 1329 1431 1365	1467
45° Discharge ft/in 4'4" 4'8" 4'5" Reach at Level Lift Arm and Bucket Level mm 3084 3245 3134 Bucket Level ft/in 10'1" 10'7" 10'3" A† Digging Depth mm 131 131 131 in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at Mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	
Reach at Level Lift Arm and Bucket Level mm 3084 3245 3134 Bucket Level ft/in 10'1" 10'7" 10'3" A† Digging Depth mm 131 131 131 in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at Maximum Lift mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	
Bucket Level ft/in 10'1" 10'7" 10'3" A† Digging Depth mm 131 131 131 in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at Maximum Lift mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	4'9"
A† Digging Depth mm 131 131 131 in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	3295
in 5.1" 5.1" 5.1" 2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	10'9"
2† Overall Length mm 8801 8972 8851 ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at Maximum Lift mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	131
ft/in 28'11" 29'6" 29'1" B† Overall Height with Bucket at Maximum Lift mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	5.1"
B† Overall Height with Bucket at Maximum Lift mm 5974 5974 6023 Maximum Lift ft/in 19'8" 19'8" 19'10"	9022
Maximum Lift ft/in 19'8" 19'8" 19'10"	29'8"
170 170	6023
Loader Clearance Circle Radius mm 6753 6834 6770	19'10"
Double Clearence Charles I than 10755	6851
with Bucket at Carry Position ft/in 22'2" 22'6" 22'3"	22'6"
Static Tipping Load, Straight kg 11 701 11 566 11 641	11 506
(With tire deflection) lb 25,798 25,500 25,665	25,366
Static Tipping Load, Straight kg 12 305 12 170 12 250	12 114
(No tire deflection) lb 27,128 26,830 27,006	26,707
Static Tipping Load, kg 10 011 9876 9952	9816
Articulated (With tire deflection) 1b 22,071 21,773 21,940	21,640
Static Tipping Load, Articulated kg 10 633 10 498 10 578	10 443
(No tire deflection) lb 23,442 23,144 23,322	23,023
Breakout Force (§) kN 137 136 132	131
lbf 31,010 30,726 29,773	29,491
Operating Weight* kg 19 196 19 304 19 244	19 352
lb 42,318 42,557 42,424	42,662

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage				High Lift Linkage		
Bucket Type		Flat Floor	– Pin-On	Flat Floor – Pin-On – Light Material	Flat Floor – Hoo	k-On — Fusion
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.80	3.80	4.40	3.80	3.80
	yd^3	5.00	5.00	5.75	5.00	5.00
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.80	4.20	4.20
	yd^3	5.50	5.50	6.25	5.50	5.50
Width	mm	2927	2994	3059	2927	2994
	ft/in	9'7"	9'9"	10'0"	9'7"	9'9"
6† Dump Clearance at Maximum Lift	mm	3126	3000	3071	3091	2966
and 45° Discharge	ft/in	10'3"	9'10"	10'0"	10'1"	9'8"
17† Reach at Maximum Lift and	mm	1443	1545	1487	1478	1580
45° Discharge	ft/in	4'8"	5'0"	4'10"	4'10"	5'2"
Reach at Level Lift Arm and	mm	3245	3406	3315	3294	3455
Bucket Level	ft/in	10'7"	11'2"	10'10"	10'9"	11'4"
A† Digging Depth	mm	131	131	139	131	131
	in	5.1"	5.1"	5.4"	5.1"	5.1"
12† Overall Length	mm	8962	9133	9037	9011	9182
	ft/in	29'5"	30'0"	29'8"	29'7"	30'2"
B † Overall Height with Bucket at	mm	6121	6121	6200	6151	6151
Maximum Lift	ft/in	20'1"	20'1"	20'5"	20'3"	20'3"
Loader Clearance Circle Radius	mm	6806	6888	6887	6947	7030
with Bucket at Carry Position	ft/in	22'4"	22'8"	22'8"	22'10"	23'1"
Static Tipping Load, Straight	kg	11 515	11 378	11 310	11 014	10 877
(With tire deflection)	lb	25,387	25,084	24,935	24,283	23,981
Static Tipping Load, Straight	kg	12 135	11 997	11 938	11 634	11 497
(No tire deflection)	lb	26,753	26,450	26,318	25,649	25,346
Static Tipping Load,	kg	9826	9688	9624	9336	9199
Articulated (With tire deflection)	lb	21,663	21,360	21,217	20,583	20,281
Static Tipping Load, Articulated	kg	10 464	10 327	10 270	9974	9837
(No tire deflection)	lb	23,070	22,767	22,642	21,990	21,688
Breakout Force(§)	kN	121	120	114	117	115
	lbf	27,316	27,037	25,745	26,303	26,025
Operating Weight*	kg	19 346	19 454	19 502	19 810	19 918
	lb	42,649	42,887	42,993	43,672	43,910

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

inkage			High Lit	ft Linkage	
Bucket Type		Multi-Purpo:	se – Pin-On	Multi-Purpose – H	ook-On – Fusion
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m ³	2.80	2.80	2.90	2.90
	yd^3	3.50	3.50	3.75	3.75
Capacity – Rated at 110% Fill Factor	m^3	3.00	3.00	3.20	3.20
	yd^3	4.00	4.00	4.25	4.25
Width	mm	2942	2999	3007	3000
	ft/in	9'7"	9'10"	9'10"	9'10"
6† Dump Clearance at Maximum Lift	mm	3439	3332	3432	3322
and 45° Discharge	ft/in	11'3"	10'11"	11'3"	10'10"
7† Reach at Maximum Lift and	mm	1385	1501	1475	1595
45° Discharge	ft/in	4'6"	4'11"	4'10"	5'2"
Reach at Level Lift Arm and	mm	2944	3101	3021	3182
Bucket Level	ft/in	9'7"	10'2"	9'10"	10'5"
A† Digging Depth	mm	158	158	111	111
	in	6.2"	6.2"	4.3"	4.3"
2† Overall Length	mm	8678	8847	8725	8899
	ft/in	28'6"	29'1"	28'8"	29'3"
3† Overall Height with Bucket at	mm	5764	5764	5849	5849
Maximum Lift	ft/in	18'11"	18'11"	19'3"	19'3"
Loader Clearance Circle Radius	mm	6713	6946	6897	6947
with Bucket at Carry Position	ft/in	22'1"	22'10"	22'8"	22'10"
Static Tipping Load, Straight	kg	11 367	11 219	11 025	10 899
(With tire deflection)	lb	25,060	24,734	24,307	24,029
Static Tipping Load, Straight	kg	11 962	11 814	11 650	11 524
(No tire deflection)	lb	26,371	26,045	25,685	25,406
Static Tipping Load,	kg	9673	9525	9320	9194
Articulated (With tire deflection)	1b	21,327	21,001	20,549	20,270
Static Tipping Load, Articulated	kg	10 287	10 139	9963	9837
(No tire deflection)	1b	22,679	22,353	21,966	21,687
Breakout Force(§)	kN	153	152	143	142
	lbf	34,496	34,167	32,212	31,923
Operating Weight*	kg	19 564	19 683	20 035	20 134
	lb	43,132	43,392	44,169	44,388

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		High Lift Linkage			
Bucket Type		High Dump — Hook-On — Fusion			
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	m ³	4.30	6.10		
	yd^3	5.50	8.00		
Capacity – Rated at 110% Fill Factor	m ³	4.70	6.70		
	yd^3	6.25	8.75		
Width	mm	3029	2910		
	ft/in	9'11"	9'6"		
16† Dump Clearance at Maximum Height	mm	5215	5133		
and High Dump Fully Rolled Out (36°)	ft/in	17'1"	16'8"		
17† Reach at Maximum Height and High	mm	1650	1800		
Dump Fully Rolled Out (36°)	ft/in	5'4"	5'9"		
Reach at Level Lift Arm and	mm	3501	3647		
Bucket Level	ft/in	11'5"	11'11"		
A† Digging Depth	mm	192	197		
	in	7.5"	7.7"		
12† Overall Length	mm	9256	9406		
	ft/in	30'5"	30'11"		
B † Overall Height at Maximum Height and	mm	7053	7381		
High Dump Fully Rolled Out (36°)	ft/in	23'1"	24'2"		
Loader Clearance Circle Radius	mm	7077	7071		
with Bucket at Carry Position	ft/in	23'3"	23'3"		
Static Tipping Load, Straight	kg	10 069	9987		
(With tire deflection)	lb	22,198	22,017		
Static Tipping Load, Straight	kg	10 677	10 670		
(No tire deflection)	lb	23,540	23,524		
Static Tipping Load,	kg	8429	8293		
Articulated (With tire deflection)	lb	18,583	18,284		
Static Tipping Load, Articulated	kg	9057	8994		
(No tire deflection)	lb	19,967	19,830		
Breakout Force (§)	kN	99	89		
	lbf	22,339	20,017		
Operating Weight*	kg	20 385	20 745		
	lb	44,940	45,733		

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Bucket Type Bolt-Octting Edges Capacity − Rated m² yd² 10.00 Capacity − Rated at 110% Fill Factor and the state of the sta	Linkage		High Lift Linkage	
Capacity - Rated m³ yd² 7.70 yd² Capacity - Rated at 110% Fill Factor m³ yd² 11.00 Width mm 3330 ft/in Width mm 3330 ft/in Width mm 3330 ft/in If Dump Clearance at Maximum Lift mm 2919 mm and 45° Discharge ft/in 96" 17† Reach at Maximum Lift and mm 1657 mm 45° Discharge ft/in 5'5" Reach at Level Lift Arm and mm 3542 mm Bucket Level ft/in 11'7" A† Digging Depth mm 126 mm in 4.9" 126 mm 12† Overall Length mm 9256 mt/in Maximum Lift ft/in 30'5" B† Overall Height with Bucket at mm 6602 mm Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 mm with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 mm (With tire deflection) lb 27,417 <	Bucket Type		Woodchip – Hook-On – Fusion	
Capacity - Rated at 110% Fill Factor m³ 8.40 yd³ 11.00	Edge Type		Bolt-On Cutting Edges	
Capacity - Rated at 110% Fill Factor m³ yd³ 8.40 Width mm 3330 mb mb 10711" 16¢ Dump Clearance at Maximum Lift mm 2919 and 45° Discharge ft/in 96" 17† Reach at Maximum Lift and mm 1657 45° Discharge ft/in 5'5" Reach at Level Lift Arm and mm 3542 Bucket Level ft/in 11'7" A† Digging Depth mm 126 in 4.9" 12† Overall Length mm 9256 ft/in 30'5" B† Overall Height with Bucket at mm 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articu	Capacity – Rated	m^3	7.70	
Midth		yd^3	10.00	
Width mm 3330 ft/in 1011" 16† Dump Clearance at Maximum Lift and and 45° Discharge ft/in 96" 17† Reach at Maximum Lift and mm 1657 45° Discharge ft/in 5'5" Reach at Level Lift Arm and mm 3542 Bucket Level ft/in 11"" A† Digging Depth mm 126 in 4.9" 12† Overall Length mm 9256 ft/in 30'5" B† Overall Height with Bucket at mm 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 21,774 Static Tipping Load, Articulated kg 9876 Articulated (With tire deflection) lb 21,774 Static T	Capacity – Rated at 110% Fill Factor	m^3	8.40	
16† Dump Clearance at Maximum Lift and 45° Discharge ft/in		yd^3	11.00	
16† Dump Clearance at Maximum Lift and 45° Discharge ft/in 2919 17† Reach at Maximum Lift and 45° Discharge ft/in 1657 45° Discharge ft/in 3542 Reach at Level Lift Arm and Bucket Level mm 3542 Bucket Level ft/in 11'7" A† Digging Depth mm 126 in 4.9" 12† Overall Length mm 9256 ft/in 30'5" B† Overall Height with Bucket at mm daximum Lift 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm dith Bucket at Carry Position mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 <td< td=""><td>Width</td><td>mm</td><td>3330</td><td></td></td<>	Width	mm	3330	
and 45° Discharge ft/in 96" 17† Reach at Maximum Lift and 45° Discharge ft/in 555" Reach at Level Lift Arm and Bucket Level mm 3542 Bucket Level ft/in 1117" A† Digging Depth mm 126 in 4.9" 12† Overall Length mm 9256 ft/in 30'5" B† Overall Height with Bucket at mm 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, Articulated kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN		ft/in	10'11"	
17† Reach at Maximum Lift and mm 1657 45° Discharge ft/in 5'5" Reach at Level Lift Arm and mm 3542 11'7" A† Digging Depth mm 126 4.9" 12† Overall Length mm 9256 ft/in 30'5" B† Overall Height with Bucket at mm 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, Articulated kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force(§) kN 98 88 100 652 (No tire deflection) lb 22,215 (Operating Weight* kg 19 937 (Descriptions) 10 937 (Descriptions)	16 † Dump Clearance at Maximum Lift	mm	2919	
45° Discharge ft/in 5'5" Reach at Level Lift Arm and mm 3542 Bucket Level ft/in 11'7" A† Digging Depth mm 126 in 4.9" 12† Overall Length mm 9256 ft/in 30'5" B† Overall Height with Bucket at mm 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force(§) kN 98 Goperating Weight* kg 19 937 Reach at Level Lift Arm and mm 3542 More and Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force(§) kN 98 Goperating Weight* kg 19 937 Coperating Weight*	and 45° Discharge	ft/in	9'6"	
Reach at Level Lift Arm and Bucket Level mm ft/in 1117" A† Digging Depth mm 126 in 4.9" 12† Overall Length mm 9256 ft/in 30'5" B† Overall Height with Bucket at Maximum Lift ft/in 6602 mt/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" 33'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 11 676 (With tire deflection) 12 436 (No tire deflection) Static Tipping Load, Straight kg 9876 Articulated (With tire deflection) lb 21,774 21,774 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 lbf 22,215 98 Operating Weight* kg 19 937	17† Reach at Maximum Lift and	mm	1657	
Bucket Level ft/in 11¹7" A↑ Digging Depth mm 126 in 4.9" 12↑ Overall Length mm 9256 ft/in 30'5" B↑ Overall Height with Bucket at Maximum Lift mm 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 27,417 Static Tipping Load, Straight (No tire deflection) kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 Ibf 22,215 Operating Weight* kg 19 937	45° Discharge	ft/in	5'5"	
A† Digging Depth mm 126 in 4.9" 12† Overall Length mm 9256 ft/in 30'5" B† Overall Height with Bucket at Maximum Lift mm 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 Ibf 22,215 Operating Weight* kg 19 937	Reach at Level Lift Arm and	mm	3542	
12† Overall Length mm ft/in 9256 ft/in B† Overall Height with Bucket at Maximum Lift mm ft/in 6602 ft/in Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm with Bucket at Carry Position ft/in 7193 ft/in Static Tipping Load, Straight (With tire deflection) kg 11 676 ft/in Static Tipping Load, Straight (No tire deflection) kg 12 436 ft/in Static Tipping Load, Straight (No tire deflection) kg 9876 ft/in Articulated (With tire deflection) lb 21,774 ft/in Static Tipping Load, Articulated (With tire deflection) kg 98 ft/in Breakout Force(§) kN 98 ft/in Breakout Force(§) kN 98 ft/in Operating Weight* kg 19 937	Bucket Level	ft/in	11'7"	
12↑ Overall Length mm 9256 ft/in 30'5" B↑ Overall Height with Bucket at Maximum Lift mm 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 11 676 12 436 12 436 12 436 12 436 12 436 12 436 13 436 14 436 14 436 15 436 16 436 16 436 16 436 17 44 18 436<	A† Digging Depth	mm	126	
ft/in 30'5" B† Overall Height with Bucket at Maximum Lift mm ft/in 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 10 652 (No tire deflection) lb 23,483 Breakout Force(§) kN 98 lbf 22,215 Operating Weight* kg 19 937		in	4.9"	
B† Overall Height with Bucket at Maximum Lift mm ft/in 6602 Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight (With tire deflection) kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight (No tire deflection) kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 lbf 22,215 Operating Weight* kg 19 937	12† Overall Length	mm	9256	
Maximum Lift ft/in 21'8" Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 Coperating Weight* kg 19 937		ft/in	30'5"	
Loader Clearance Circle Radius mm 7193 with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force(§) kN 98 Departing Weight* kg 19 937		mm	6602	
with Bucket at Carry Position ft/in 23'8" Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 Departing Weight* kg 19 937	Maximum Lift	ft/in	21'8"	
Static Tipping Load, Straight kg 11 676 (With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 Breakout Force (§) ky 19 937	Loader Clearance Circle Radius	mm	7193	
(With tire deflection) lb 25,742 Static Tipping Load, Straight kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 lbf 22,215 Operating Weight* kg 19 937	with Bucket at Carry Position	ft/in	23'8"	
Static Tipping Load, Straight (No tire deflection) kg 12 436 (No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 lbf 22,215 Operating Weight* kg 19 937	Static Tipping Load, Straight	kg	11 676	
(No tire deflection) lb 27,417 Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 lbf 22,215 Operating Weight* kg 19 937	(With tire deflection)	lb	25,742	
Static Tipping Load, kg 9876 Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 lbf 22,215 Operating Weight* kg 19 937	11 0	kg	12 436	
Articulated (With tire deflection) lb 21,774 Static Tipping Load, Articulated (No tire deflection) kg 10 652 (No tire deflection) lb 23,483 Breakout Force (§) kN 98 lbf 22,215 Operating Weight* kg 19 937	(No tire deflection)	1b	27,417	
Static Tipping Load, Articulated (No tire deflection) kg 10 652 (No tire deflection) Ib 23,483 Breakout Force (§) kN 98 lbf 22,215 Operating Weight* kg 19 937	Static Tipping Load,	kg	9876	
(No tire deflection) 1b 23,483 Breakout Force(§) kN 98 1bf 22,215 Operating Weight* kg 19 937	Articulated (With tire deflection)	lb	21,774	
Breakout Force (§) kN 98 lbf 22,215 Operating Weight* kg 19 937	11 0	kg	10 652	
lbf 22,215 Operating Weight* kg 19 937	(No tire deflection)	lb	23,483	
Operating Weight* kg 19 937	Breakout Force (§)	kN	98	
·		lbf	22,215	
	Operating Weight*	kg	19 937	
lb 43,954		lb	43,954	

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		High Lif	t Linkage			
Bucket Type		Rock, Spade – Pin-On***				
Edge Type		Teeth and Segments	Teeth and Segments			
Capacity – Rated	m^3	2.90	3.10			
	yd^3	3.75	4.00			
Capacity – Rated at 110% Fill Factor	m^3	3.20	3.40			
	yd^3	4.25	4.50			
Width	mm	2994	2992			
	ft/in	9'9"	9'9"			
6† Dump Clearance at Maximum Lift	mm	3175	3129			
and 45° Discharge	ft/in	10'5"	10'3"			
7 † Reach at Maximum Lift and	mm	1647	1669			
45° Discharge	ft/in	5'4"	5'5"			
Reach at Level Lift Arm and	mm	3366	3416			
Bucket Level	ft/in	11'0"	11'2"			
A† Digging Depth	mm	73	20			
	in	2.8"	0.8"			
2† Overall Length	mm	9084	9134			
· ·	ft/in	29'10"	30'0"			
B † Overall Height with Bucket at	mm	5913	5997			
Maximum Lift	ft/in	19'5"	19'9"			
Loader Clearance Circle Radius	mm	7013	7027			
with Bucket at Carry Position	ft/in	23'1"	23'1"			
Static Tipping Load, Straight	kg	11 789	12 020			
(With tire deflection)	lb	25,991	26,501			
Static Tipping Load, Straight	kg	12 436	12 670			
(No tire deflection)	lb	27,418	27,934			
Static Tipping Load,	kg	10 013	10 247			
Articulated (With tire deflection)	lb	22,076	22,592			
Static Tipping Load, Articulated	kg	10 680	10 917			
(No tire deflection)	lb	23,545	24,067			
Breakout Force(§)	kN	127	123			
	lbf	28,696	27,753			
Operating Weight*	kg	20 392	20 142			
	lb	44,955	44,404			

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		High Lift	Linkage			
Bucket Type		Side Dump – Pin-On – Abrasion				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments			
Capacity – Rated	m^3	2.50	2.50			
	yd^3	3.25	3.25			
Capacity – Rated at 110% Fill Factor	m ³	2.80	2.80			
	yd^3	3.75	3.75			
Width	mm	3065	3166			
	ft/in	10'0"	10'4"			
16† Dump Clearance at Maximum Lift	mm	3161	3004			
and 45° Discharge	ft/in	10'4"	9'10"			
17† Reach at Maximum Lift and	mm	1412	1514			
45° Discharge	ft/in	4'7"	4'11"			
Reach at Level Lift Arm and	mm	3197	3381			
Bucket Level	ft/in	10'5"	11'1"			
A† Digging Depth	mm	128	128			
	in	5"	5"			
12† Overall Length	mm	8913	9121			
	ft/in	29'3"	30'0"			
B † Overall Height with Bucket at	mm	6219	6219			
Maximum Lift	ft/in	20'5"	20'5"			
Loader Clearance Circle Radius	mm	6981	6936			

22'11"

10 028

22,107

10 654

23,488

8373

18,460

9018

19,882

120

27,151

20 546

45,295

22'10"

9805

21,617

10 430

22,996

8150

17,969

8795

19,389

118

26,677

20 723

45,685

with Bucket at Carry Position

Static Tipping Load, Straight

Static Tipping Load, Straight

Articulated (With tire deflection)

Static Tipping Load, Articulated

(With tire deflection)

(No tire deflection)

Static Tipping Load,

(No tire deflection)

Breakout Force (§)

Operating Weight*

(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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

ft/in

kg

1b

kg

lb

kg

lb

kg

lb

kN

lbf

kg

lb

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage Auxiliary Counterweight							
Bucket Type	General Purpose – Pin-On						
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.10	3.10	3.30	3.30	3.40	3.40
	yd^3	4.00	4.00	4.25	4.25	4.50	4.50
Capacity – Rated at 110% Fill Factor	m ³	3.40	3.40	3.60	3.60	3.70	3.70
	yd^3	4.50	4.50	4.75	4.75	4.75	4.75
Width	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
16† Dump Clearance at Maximum Lift	mm	2844	2726	2805	2687	2779	2660
and 45° Discharge	ft/in	9'3"	8'11"	9'2"	8'9"	9'1"	8'8"
17† Reach at Maximum Lift and	mm	1325	1436	1355	1465	1377	1487
45° Discharge	ft/in	4'4"	4'8"	4'5"	4'9"	4'6"	4'10"
Reach at Level Lift Arm and	mm	2633	2794	2683	2844	2718	2879
Bucket Level	ft/in	8'7"	9'2"	8'9"	9'3"	8'11"	9'5"
A† Digging Depth	mm	101	101	101	101	101	101
	in	4"	4"	4"	4"	4"	4"
12† Overall Length	mm	8250	8425	8300	8475	8335	8510
	ft/in	27'1"	27'8"	27'3"	27'10"	27'5"	28'0"
B † Overall Height with Bucket at	mm	5313	5313	5488	5488	5517	5517
Maximum Lift	ft/in	17'6"	17'6"	18'1"	18'1"	18'2"	18'2"
Loader Clearance Circle Radius	mm	6679	6761	6693	6775	6702	6785
with Bucket at Carry Position	ft/in	21'11"	22'3"	22'0"	22'3"	22'0"	22'4"
Static Tipping Load, Straight	kg	13 747	13 607	13 646	13 506	13 582	13 441
(With tire deflection)	lb	30,307	29,998	30,085	29,775	29,944	29,632
Static Tipping Load, Straight	kg	14 512	14 371	14 414	14 272	14 352	14 209
(No tire deflection)	lb	31,995	31,684	31,779	31,466	31,641	31,327
Static Tipping Load,	kg	11 854	11 714	11 759	11 619	11 699	11 557
Articulated (With tire deflection)	lb	26,134	25,825	25,926	25,615	25,792	25,480
Static Tipping Load, Articulated	kg	12 628	12 487	12 536	12 394	12 477	12 335
(No tire deflection)	lb	27,841	27,530	27,639	27,325	27,508	27,194
Breakout Force(§)	kN	152	150	145	144	141	140
	lbf	34,191	33,922	32,799	32,532	31,885	31,618
Operating Weight*	kg	18 596	18 704	18 641	18 749	18 671	18 779
	lb	40,996	41,234	41,095	41,333	41,161	41,400

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage			Auxiliary Counterweight	
Bucket Type			General Purpose – Pin-On	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges
Capacity – Rated	m^3	3.60	3.60	3.80
	yd^3	4.75	4.75	5.00
Capacity – Rated at 110% Fill Factor	m^3	4.00	4.00	4.20
	yd^3	5.25	5.25	5.50
Width	mm	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"
16† Dump Clearance at Maximum Lift	mm	2733	2614	2705
and 45° Discharge	ft/in	8'11"	8'6"	8'10"
17† Reach at Maximum Lift and	mm	1413	1523	1428
45° Discharge	ft/in	4'7"	4'11"	4'8"
Reach at Level Lift Arm and	mm	2778	2939	2808
Bucket Level	ft/in	9'1"	9'7"	9'2"
A† Digging Depth	mm	101	101	106
	in	4"	4"	4.2"
12† Overall Length	mm	8395	8570	8430
	ft/in	27'7"	28'2"	27'8"
B† Overall Height with Bucket at	mm	5575	5575	5601
Maximum Lift	ft/in	18'4"	18'4"	18'5"
Loader Clearance Circle Radius	mm	6719	6802	6760
with Bucket at Carry Position	ft/in	22'1"	22'4"	22'3"
Static Tipping Load, Straight	kg	13 461	13 318	13 301
(With tire deflection)	lb	29,676	29,363	29,323
Static Tipping Load, Straight	kg	14 233	14 090	14 074
(No tire deflection)	lb	31,379	31,063	31,029
Static Tipping Load,	kg	11 584	11 442	11 427
Articulated (With tire deflection)	lb	25,539	25,226	25,194
Static Tipping Load, Articulated	kg	12 365	12 222	12 210
(No tire deflection)	lb	27,262	26,945	26,919
Breakout Force(§)	kN	135	134	131
	lbf	30,410	30,145	29,550
Operating Weight*	kg	18 729	18 837	18 845
	lb	41,289	41,527	41,545

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage			Auxiliary C	ounterweight	
Bucket Type		General Purpose — Hook-On — Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.10	3.10	3.30	3.30
	yd^3	4.00	4.00	4.25	4.25
Capacity – Rated at 110% Fill Factor	m ³	3.40	3.40	3.60	3.60
	yd^3	4.50	4.50	4.75	4.75
Width	mm	2927	2994	2958	2999
	ft/in	9'7"	9'9"	9'8"	9'10"
16† Dump Clearance at Maximum Lift	mm	2802	2685	2763	2646
and 45° Discharge	ft/in	9'2"	8'9"	9'0"	8'8"
17† Reach at Maximum Lift and	mm	1361	1473	1391	1497
45° Discharge	ft/in	4'5"	4'10"	4'6"	4'10"
Reach at Level Lift Arm and	mm	2688	2849	2738	2894
Bucket Level	ft/in	8'9"	9'4"	8'11"	9'5"
A† Digging Depth	mm	109	109	109	109
	in	4.3"	4.3"	4.3"	4.3"
12† Overall Length	mm	8312	8486	8362	8533
	ft/in	27'4"	27'11"	27'6"	28'0"
B † Overall Height with Bucket at	mm	5456	5456	5507	5507
Maximum Lift	ft/in	17'11"	17'11"	18'1"	18'1"
Loader Clearance Circle Radius	mm	6694	6776	6722	6792
with Bucket at Carry Position	ft/in	22'0"	22'3"	22'1"	22'4"
Static Tipping Load, Straight	kg	13 117	12 978	12 929	12 819
(With tire deflection)	lb	28,920	28,612	28,504	28,261
Static Tipping Load, Straight	kg	13 869	13 728	13 683	13 572
(No tire deflection)	lb	30,576	30,266	30,166	29,921
Static Tipping Load,	kg	11 254	11 114	11 071	10 960
Articulated (With tire deflection)	lb	24,811	24,503	24,407	24,164
Static Tipping Load, Articulated	kg	12 014	11 874	11 834	11 723
(No tire deflection)	lb	26,488	26,178	26,090	25,845
Breakout Force(§)	kN	145	143	138	137
/	lbf	32,606	32,336	31,154	30,928
Operating Weight*	kg	19 074	19 182	19 200	19 283
	lb	42,050	42,288	42,328	42,511

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		Auxiliary Counterweight				
Bucket Type		General Purpose –	General Purpose – Hook-On Fusion – Abrasion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges		
Capacity – Rated	m ³	3.40	3.40	3.60		
	yd^3	4.50	4.50	4.75		
Capacity – Rated at 110% Fill Factor	m^3	3.70	3.70	4.00		
	yd^3	4.75	4.75	5.25		
Width	mm	2927	2994	2956		
	ft/in	9'7"	9'9"	9'8"		
16 † Dump Clearance at Maximum Lift	mm	2737	2618	2688		
and 45° Discharge	ft/in	8'11"	8'7"	8'9"		
17† Reach at Maximum Lift and	mm	1413	1523	1453		
45° Discharge	ft/in	4'7"	4'11"	4'9"		
Reach at Level Lift Arm and	mm	2773	2934	2837		
Bucket Level	ft/in	9'1"	9'7"	9'3"		
A† Digging Depth	mm	109	109	109		
	in	4.3"	4.3"	4.3"		
12† Overall Length	mm	8397	8571	8461		
	ft/in	27'7"	28'2"	27'10"		
B † Overall Height with Bucket at	mm	5536	5536	5613		
Maximum Lift	ft/in	18'2"	18'2"	18'5"		
Loader Clearance Circle Radius	mm	6718	6801	6754		
with Bucket at Carry Position	ft/in	22'1"	22'4"	22'2"		
Static Tipping Load, Straight	kg	12 959	12 819	12 699		
(With tire deflection)	1b	28,571	28,261	27,997		
Static Tipping Load, Straight	kg	13 715	13 573	13 450		
(No tire deflection)	lb	30,237	29,923	29,652		
Static Tipping Load,	kg	11 104	10 964	10 857		
Articulated (With tire deflection)	lb	24,482	24,171	23,937		
Static Tipping Load, Articulated	kg	11 869	11 727	11 618		
(No tire deflection)	1b	26,167	25,854	25,613		
Breakout Force(§)	kN	135	134	128		
	lbf	30,474	30,206	28,881		
Operating Weight*	kg	19 150	19 258	19 287		
	lb	42,217	42,456	42,519		

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

^(§) 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets (continued)

Linkage		Auxiliary Counterweight				
Bucket Type		Flat Floor – Pin-On				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	m^3	3.20	3.20	3.40	3.40	
	yd^3	4.25	4.25	4.50	4.50	
Capacity – Rated at 110% Fill Factor	m^3	3.50	3.50	3.70	3.70	
	yd^3	4.50	4.50	4.75	4.75	
Width	mm	2927	2994	2927	2994	
	ft/in	9'7"	9'9"	9'7"	9'9"	
16† Dump Clearance at Maximum Lift	mm	2744	2619	2709	2584	
and 45° Discharge	ft/in	9'0"	8'7"	8'10"	8'5"	
17† Reach at Maximum Lift and	mm	1261	1364	1297	1399	
45° Discharge	ft/in	4'1"	4'5"	4'3"	4'7"	
Reach at Level Lift Arm and	mm	2678	2839	2728	2889	
Bucket Level	ft/in	8'9"	9'3"	8'11"	9'5"	
A† Digging Depth	mm	109	109	109	109	
	in	4.3"	4.3"	4.3"	4.3"	
12† Overall Length	mm	8302	8476	8352	8526	
	ft/in	27'3"	27'10"	27'5"	28'0"	
B † Overall Height with Bucket at	mm	5478	5478	5527	5527	
Maximum Lift	ft/in	18'0"	18'0"	18'2"	18'2"	
Loader Clearance Circle Radius	mm	6695	6777	6709	6791	
with Bucket at Carry Position	ft/in	22'0"	22'3"	22'1"	22'4"	
Static Tipping Load, Straight	kg	13 523	13 384	13 428	13 288	
(With tire deflection)	lb	29,815	29,507	29,605	29,296	
Static Tipping Load, Straight	kg	14 274	14 133	14 182	14 040	
(No tire deflection)	lb	31,469	31,159	31,266	30,953	
Static Tipping Load,	kg	11 655	11 515	11 565	11 424	
Articulated (With tire deflection)	lb	25,695	25,387	25,497	25,187	
Static Tipping Load, Articulated	kg	12 415	12 274	12 327	12 186	
(No tire deflection)	lb	27,370	27,060	27,178	26,865	
Breakout Force(§)	kN	146	145	140	139	
	lbf	32,907	32,638	31,602	31,333	
Operating Weight*	kg	18 628	18 736	18 676	18 784	
	lb	41,067	41,305	41,172	41,411	

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage			A	Auxiliary Counterweig	ht	
Bucket Type		Flat Floor	– Pin-On	Flat Floor – Pin-On – Light Material	Flat Floor – Hoo	k-On — Fusion
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.80	3.80	4.40	3.80	3.80
	yd^3	5.00	5.00	5.75	5.00	5.00
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.80	4.20	4.20
	yd^3	5.50	5.50	6.25	5.50	5.50
Width	mm	2927	2994	3059	2927	2994
	ft/in	9'7"	9'9"	10'0"	9'7"	9'9"
6† Dump Clearance at Maximum Lift	mm	2631	2505	2575	2596	2470
and 45° Discharge	ft/in	8'7"	8'2"	8'5"	8'6"	8'1"
7† Reach at Maximum Lift and	mm	1375	1478	1419	1410	1512
45° Discharge	ft/in	4'6"	4'10"	4'7"	4'7"	4'11"
Reach at Level Lift Arm and	mm	2839	3000	2909	2888	3049
Bucket Level	ft/in	9'3"	9'10"	9'6"	9'5"	10'0"
A† Digging Depth	mm	109	109	117	109	109
	in	4.3"	4.3"	4.6"	4.3"	4.3"
12† Overall Length	mm	8463	8637	8539	8512	8686
	ft/in	27'10"	28'5"	28'1"	28'0"	28'6"
B † Overall Height with Bucket at	mm	5626	5626	5704	5656	5656
Maximum Lift	ft/in	18'6"	18'6"	18'9"	18'7"	18'7"
Loader Clearance Circle Radius	mm	6740	6823	6822	6751	6835
with Bucket at Carry Position	ft/in	22'2"	22'5"	22'5"	22'2"	22'6"
Static Tipping Load, Straight	kg	13 226	13 084	12 955	12 690	12 548
(With tire deflection)	lb	29,159	28,846	28,561	27,978	27,665
Static Tipping Load, Straight	kg	13 986	13 842	13 716	13 442	13 299
(No tire deflection)	lb	30,834	30,517	30,239	29,635	29,319
Static Tipping Load,	kg	11 373	11 230	11 112	10 857	10 715
Articulated (With tire deflection)	lb	25,073	24,760	24,499	23,935	23,623
Static Tipping Load, Articulated	kg	12 142	11 998	11 883	11 618	11 475
(No tire deflection)	lb	26,769	26,452	26,199	25,614	25,298
Breakout Force(§)	kN	129	127	121	124	123
	lbf	29,009	28,742	27,368	27,942	27,676
Operating Weight*	kg	18 778	18 886	18 934	19 242	19 350
	lb	41,397	41,635	41,741	42,420	42,658

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

^(§) 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets (continued)

Linkage	Auxiliary Counterweight				
Bucket Type		Multi-Purpos	se – Pin-On	Multi-Purpose – H	look-On – Fusion
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	2.80	2.80	2.90	2.90
	yd^3	3.50	3.50	3.75	3.75
Capacity – Rated at 110% Fill Factor	m^3	3.00	3.00	3.20	3.20
	yd^3	4.00	4.00	4.25	4.25
Width	mm	2942	2999	3007	3000
	ft/in	9'7"	9'10"	9'10"	9'10"
6† Dump Clearance at Maximum Lift	mm	2944	2836	2936	2827
and 45° Discharge	ft/in	9'7"	9'3"	9'7"	9'3"
7† Reach at Maximum Lift and	mm	1318	1434	1408	1527
45° Discharge	ft/in	4'3"	4'8"	4'7"	5'0"
Reach at Level Lift Arm and	mm	2538	2695	2615	2776
Bucket Level	ft/in	8'3"	8'10"	8'6"	9'1"
A† Digging Depth	mm	137	137	89	89
	in	5.3"	5.3"	3.5"	3.5"
2 † Overall Length	mm	8184	8355	8224	8400
	ft/in	26'11"	27'5"	27'0"	27'7"
B† Overall Height with Bucket at	mm	5268	5268	5354	5354
Maximum Lift	ft/in	17'4"	17'4"	17'7"	17'7"
Loader Clearance Circle Radius	mm	6675	6751	6702	6751
with Bucket at Carry Position	ft/in	21'11"	22'2"	22'0"	22'2"
Static Tipping Load, Straight	kg	13 275	13 123	12 853	12 723
(With tire deflection)	lb	29,268	28,932	28,336	28,049
Static Tipping Load, Straight	kg	14 020	13 866	13 625	13 493
(No tire deflection)	lb	30,910	30,571	30,038	29,748
Static Tipping Load,	kg	11 395	11 242	10 976	10 845
Articulated (With tire deflection)	lb	25,122	24,786	24,198	23,911
Static Tipping Load, Articulated	kg	12 149	11 995	11 756	11 625
(No tire deflection)	lb	26,785	26,445	25,919	25,628
Breakout Force(§)	kN	163	161	152	150
	lbf	36,642	36,325	34,181	33,913
Operating Weight*	kg	18 997	19 115	19 467	19 567

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		Auxiliary Counterweight			
Bucket Type		High Dump — Hook-On — Fusion			
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	m ³	4.30	6.10		
	yd^3	5.50	8.00		
Capacity – Rated at 110% Fill Factor	m ³	4.70	6.70		
	yd^3	6.25	8.75		
Width	mm	3029	2910		
	ft/in	9'11"	9'6"		
16 † Dump Clearance at Maximum Height	mm	4610	4514		
and High Dump Fully Rolled Out (42°)	ft/in	15'1"	14'8"		
17† Reach at Maximum Height and High	mm	1648	1790		
Dump Fully Rolled Out (42°)	ft/in	5'4"	5'9"		
Reach at Level Lift Arm and	mm	3095	3241		
Bucket Level	ft/in	10'1"	10'7"		
A† Digging Depth	mm	171	176		
	in	6.7"	6.9"		
12† Overall Length	mm	8766	8916		
	ft/in	28'10"	29'4"		
B† Overall Height at Maximum Height and	mm	6476	6804		
High Dump Fully Rolled Out (42°)	ft/in	21'2"	22'3"		
Loader Clearance Circle Radius	mm	6882	6875		
with Bucket at Carry Position	ft/in	22'7"	22'7"		
Static Tipping Load, Straight	kg	11 572	11 352		
(With tire deflection)	lb	25,512	25,028		
Static Tipping Load, Straight	kg	12 287	12 137		
(No tire deflection)	lb	27,089	26,758		
Static Tipping Load,	kg	9802	9553		
Articulated (With tire deflection)	lb	21,610	21,061		
Static Tipping Load, Articulated	kg	10 528	10 345		
(No tire deflection)	lb	23,210	22,808		
Breakout Force (§)	kN	105	95		
	lbf	23,812	21,377		
Operating Weight*	kg	19 817	20 177		
	lb	43,688	44,482		

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		Auxiliary Counterweight	
Bucket Type		Woodchip – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	
Capacity – Rated	m^3	7.70	
	yd^3	10.00	
Capacity – Rated at 110% Fill Factor	m³	8.40	
	yd^3	11.00	
Width	mm	3330	
	ft/in	10'11"	
16 † Dump Clearance at Maximum Lift	mm	2424	
and 45° Discharge	ft/in	7'11"	
17† Reach at Maximum Lift and	mm	1589	
45° Discharge	ft/in	5'2"	
Reach at Level Lift Arm and	mm	3136	
Bucket Level	ft/in	10'3"	
A† Digging Depth	mm	104	
	in	4.1"	
12† Overall Length	mm	8757	
	ft/in	28'9"	
B † Overall Height with Bucket at	mm	6107	
Maximum Lift	ft/in	20'1"	
Loader Clearance Circle Radius	mm	7003	
with Bucket at Carry Position	ft/in	23'0"	
Static Tipping Load, Straight	kg	13 259	
(With tire deflection)	lb	29,232	
Static Tipping Load, Straight	kg	14 172	
(No tire deflection)	lb	31,246	
Static Tipping Load,	kg	11 320	
Articulated (With tire deflection)	lb	24,956	
Static Tipping Load, Articulated	kg	12 237	
(No tire deflection)	lb	26,978	
Breakout Force(§)	kN	105	
	lbf	23,623	
Operating Weight*	kg	19 370	
	lb	42,702	

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		Auxiliary Counterweight			
Bucket Type		Rock, Spade – Pin-On***			
Edge Type		Teeth and Segments	Teeth and Segments		
Capacity – Rated	m^3	2.90	3.10		
	yd^3	3.75	4.00		
Capacity – Rated at 110% Fill Factor	m³	3.20	3.40		
	yd^3	4.25	4.50		
Width	mm	2994	2992		
	ft/in	9'9"	9'9"		
16† Dump Clearance at Maximum Lift	mm	2680	2634		
and 45° Discharge	ft/in	8'9"	8'7"		
17† Reach at Maximum Lift and	mm	1579	1601		
45° Discharge	ft/in	5'2"	5'3"		
Reach at Level Lift Arm and	mm	2960	3010		
Bucket Level	ft/in	9'8"	9'10"		
A† Digging Depth	mm	51	42		
	in	2"	1.6"		
12† Overall Length	mm	8577	8627		
	ft/in	28'2"	28'4"		
B † Overall Height with Bucket at	mm	5418	5501		
Maximum Lift	ft/in	17'10"	18'1"		
Loader Clearance Circle Radius	mm	6817	6831		
with Bucket at Carry Position	ft/in	22'5"	22'5"		
Static Tipping Load, Straight	kg	13 777	13 965		
(With tire deflection)	lb	30,374	30,787		
Static Tipping Load, Straight	kg	14 591	14 780		
(No tire deflection)	lb	32,168	32,586		
Static Tipping Load,	kg	11 802	11 997		
Articulated (With tire deflection)	lb	26,020	26,449		
Static Tipping Load, Articulated	kg	12 625	12 821		
(No tire deflection)	lb	27,833	28,266		
Breakout Force(§)	kN	135	130		
	lbf	30,415	29,413		
Operating Weight*	kg	19 824	19 574		
	lb	43,704	43,152		

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(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.

[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Operating Specifications – Buckets (continued)

Linkage		Auxiliary Co	unterweight	
Bucket Type		Side Dump – Pin-On – Abrasion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	m^3	2.50	2.50	
	yd^3	3.25	3.25	
Capacity – Rated at 110% Fill Factor	m^3	2.80	2.80	
	yd^3	3.75	3.75	
Width	mm	3065	3166	
	ft/in	10'0"	10'4"	
6† Dump Clearance at Maximum Lift	mm	2666	2508	
and 45° Discharge	ft/in	8'8"	8'2"	
7† Reach at Maximum Lift and	mm	1344	1447	
45° Discharge	ft/in	4'4"	4'8"	
Reach at Level Lift Arm and	mm	2791	2975	
Bucket Level	ft/in	9'1"	9'9"	
A† Digging Depth	mm	106	106	
	in	4.2"	4.2"	
2† Overall Length	mm	8413	8628	
	ft/in	27'8"	28'4"	
B † Overall Height with Bucket at	mm	5723	5723	
Maximum Lift	ft/in	18'10"	18'10"	
Loader Clearance Circle Radius	mm	6788	6900	
with Bucket at Carry Position	ft/in	22'4"	22'8"	
Static Tipping Load, Straight	kg	11 529	11 303	
(With tire deflection)	lb	25,417	24,919	
Static Tipping Load, Straight	kg	12 264	12 035	
(No tire deflection)	lb	27,037	26,533	
Static Tipping Load,	kg	9745	9520	
Articulated (With tire deflection)	lb	21,485	20,988	
Static Tipping Load, Articulated	kg	10 490	10 262	
(No tire deflection)	lb	23,128	22,624	
Breakout Force (§)	kN	128	126	
	lbf	28,819	28,391	

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product LinkTM, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

19 978

44,043

Operating Weight*

kg

lb

(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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

20 155

44,433

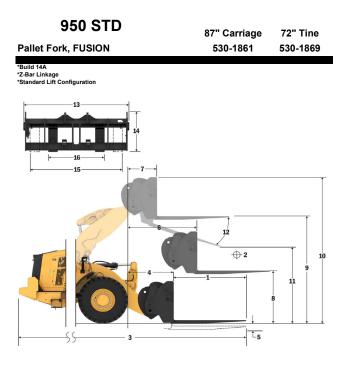
[†] Illustration shown with Dimension charts.

^{***}Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

Fork Specifications

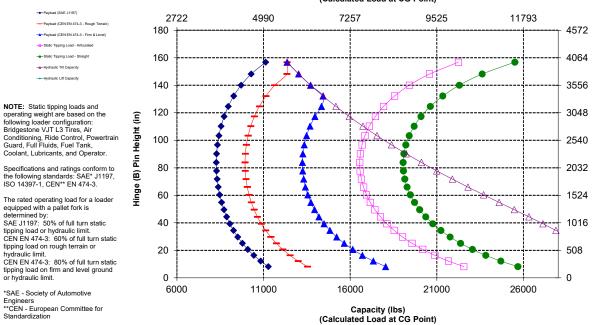
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
_	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8642
	Class ripping 2000 Chargin (Forms 2010)	lbs	19048
	Static Tipping Load - Articulated (Forks Level)	kg	7508
		lbs kg	16547 3754
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8274
	Detect cod (OFN EN 474 & Devel Terreit COO/ ETCT)	kg	4505
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9928
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5607
	Trated Load (OLIV LIV 474-51 IIIII and Level Gloding - 00 /01 101L)	lbs	12358
3	Maximum Overall Length	mm	9215
_	maximam overall congui	in	362.8
4	Reach with Forks at Ground Level	mm	1170
		in	46.1 -167
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-6.6
_		mm	1682
6	Reach with Arms Horizontal and Forks Level	in	66.2
_	Donale with Fools of Marrian and Unicht	mm	910
7	Reach with Fork at Maximum Height	in	35.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1743
	Cround to rop or time with Anno Honzontal and Fork Ecver	in	68.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3671
_	<u> </u>	in	144.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4446 175.1
		mm	2042
11	Clearance at Full Lift and Max Dump	in	80.4
	N 5: 1 A 1 (11 : 11		
12	Max Discharge Angle from Horizontal	deg	48
12	Overall Carriage Width	mm	2217
10	Overall Carriage Width	in	87.3
14	Overall Carriage Height	mm	840
		in	33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
		mm	470
16	Outside Tine Width (min spread)	in	18.5
	Time 14/1-14/1- (-in-ul- 4in-1)	mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
	THE THORIESS	in	2.6
	Tine Capacity	kq	5246
		lbs	11562
	Operating Weight	kq	17785
	· · · ·	lbs	39199



Hinge (B) Pin Height (mm)

Payload (CEN EN 474-3 - Firm & Level

Capacity (kg) (Calculated Load at CG Point)



The rated operating load for a loader equipped with a pallet fork is determined by: SAE J197: 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 fund ferrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

Coolant, Lubricants, and Operator Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

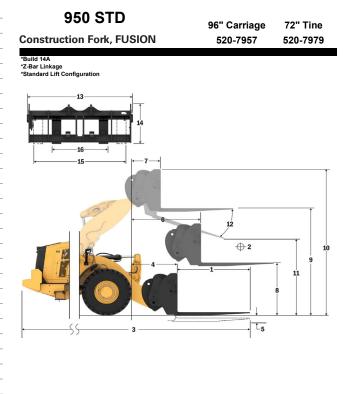
*SAE - Society of Automotive Engineers
**CEN - European Committee for



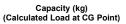
^{*}Negative values indicate below grade

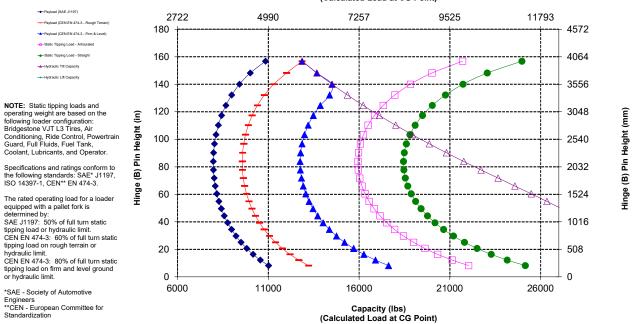
Fork Specifications

	ik opcomedions		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8366
		lbs kg	18439 7228
	Static Tipping Load - Articulated (Forks Level)	lbs	15932
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3614
	,	lbs kg	7966 4337
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9559
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5783
	,	lbs mm	12745 9168
3	Maximum Overall Length	in	360.9
4	Reach with Forks at Ground Level	mm	1124
	Reacti with Forks at Glound Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
_		in mm	-3.5 1675
6	Reach with Arms Horizontal and Forks Level	in	66.0
7	Reach with Fork at Maximum Height	mm	903
		in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1847 72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
	· •	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4816 189.6
-11	Clearance at Full Lift and Max Dump	mm	1972
	Clearance at Full Lift and Max Dunip	in	77.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2528
		in mm	99.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
	Outside Title Width (Max Spread)	in	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	90.0
	1110 1110111000	in	3.5
	Tine Capacity	ka Ibs	14800 32619
	On	ka	18174
	Operating Weight	lbs	40056



Coolant, Lubricants, and Operator. Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.







or hydraulic limit.

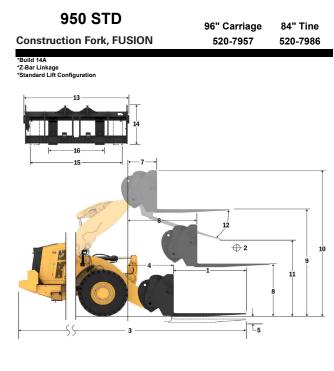
*SAE - Society of Automotive Engineers
**CEN - European Committee for

^{*}Negative values indicate below grade

Fork Specifications

Fork Specifications

	nk opecinications		
1	Tine Length	mm	2134
2	Load Center	in mm	84.0 1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	7940
	State Tipping 25dd Statgitt (1 51to 2515)	lbs	17500
	Static Tipping Load - Articulated (Forks Level)	kg	6851 15099
		lbs kg	3425
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7550
	D + 11	ka	4111
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9060
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5159
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F131L)	lbs	11370
3	Maximum Overall Length	mm	9473
	INAXIII OVEI AII LEIIGUI	in	372.9
4	Reach with Forks at Ground Level	mm	1124
		in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
		in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1675 66.0
		mm	903
7	Reach with Fork at Maximum Height	in	35.6
_	0 11 7 77 77 11 11 15 11 1	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
9	Glound to Top of Time at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
	everall freight of Fork at Fall Lift (top of darriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1723
• •	Oldardiloo di Fali Elit di a Max Bamp	in	67.8
12	Max Discharge Angle from Horizontal	deg	55
			2528
13	Overall Carriage Width	mm in	99.5
		mm	1130
14	Overall Carriage Height	in	44.5
	O	mm	2178
15	Outside Tine Width (max spread)	in	85.7
40	Outside Tine Width (min spread)	mm	576
10	Outside Title Width (Hill Spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	This That (onigio tillo)	in	7.1
	Tine Thickness	mm	90.0
	***************************************	in	3.5
	Tine Capacity	kq	12700
	· ,	lbs	27991
	Operating Weight	ka	18237 40195
		lbs	40195



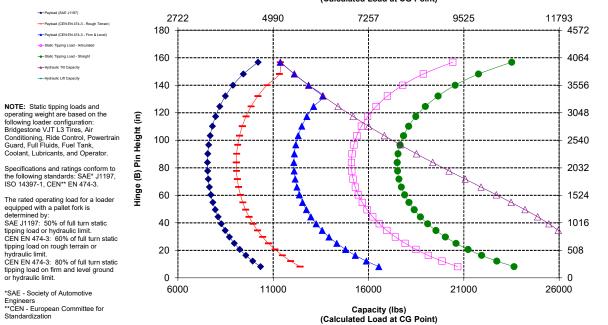
Hinge (B) Pin Height (mm)

*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

Capacity (kg) (Calculated Load at CG Point)

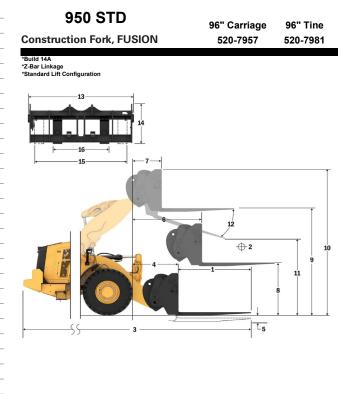




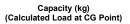
*SAE - Society of Automotive Engineers
**CEN - European Committee for

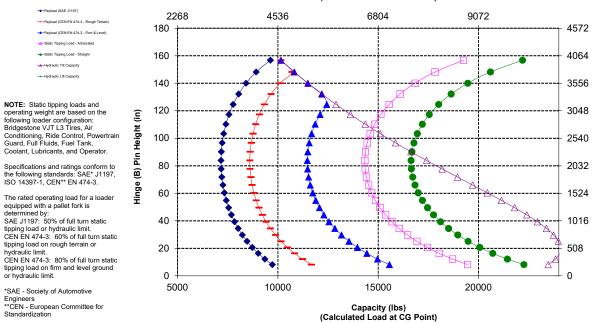
Fork Specifications

	ik Opcomounons		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	2000 001101	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	7546 16632
	Static Tipping Load - Articulated (Forks Level)	kg	6501
	otatic ripping Load - Articulated (Forks Level)	lbs	14329
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3251 7165
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	3901 8598
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	4604 10146
3	Maximum Overall Length	mm in	9777 384.9
		mm	1124
4	Reach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
_	Cround to Bottom of Time at himming in and 1 on Euro	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1675 66.0
7	Deach with Fork at Maximum Height	mm	903
	Reach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1847 72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
	Ground to Top of Tiffe at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4816 189.6
11	Clearance at Full Lift and Max Dump	mm	1476
	Clearance at 1 dil Elit and Wax Dump	in	58.1
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2528 99.5
1/	Overall Carriage Height	mm	1130
	Overall Carriage Fleight	in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm	576
	, , ,	in mm	22.7 180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm in	90.0 3.5
	Tino Congeity	kg	11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	18299
	-1 0 0	lbs	40332



Coolant, Lubricants, and Operator. Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.







or hydraulic limit.

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

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

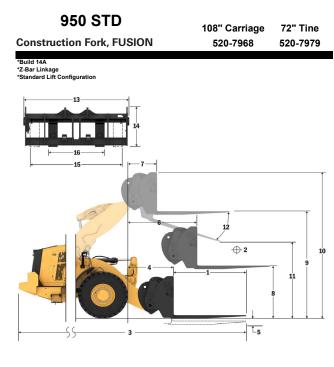
Hinge (B) Pin Height (mm)

^{*}Negative values indicate below grade

Fork Specifications

Fork Specifications

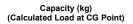
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8332
		lbs ka	18363 7194
	Static Tipping Load - Articulated (Forks Level)	lbs	15856
	D-t111 (CAE 14407 - 500/ ETCTL)	kg	3597
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7928
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4317
	Trace Edad (OEI EI FIFF O Hough Tondin - 00 70 T TOTE)	lbs	9514
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5755
	,	lbs mm	12685 9168
3	Maximum Overall Length	in	360.9
_	Reach with Forks at Ground Level	mm	1124
4	Reach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
	Ground to Bottom or Time at William Theight and Tork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
		in	66.0
7	Reach with Fork at Maximum Height	mm in	903 35.6
_	0 11 7 77 71 4 11 7 11 15 11 1	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
	Cround to Top of Time at Maximum Fleight and Fork Ecver	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
		in	189.6 1972
11	Clearance at Full Lift and Max Dump	mm in	77.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2833
	Overall Carriage Wilder	in	111.5
14	Overall Carriage Height	mm	1130
			44.5 2483
15	Outside Tine Width (max spread)		97.8
	O 4 11 T 140 HI 4 1 1 1 1		590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Tille Width (single tille)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka Ibs	14800
_		ka	32619 18224
	Operating Weight	lbs	40166
15	Outside Tine Width (max spread) Outside Tine Width (min spread) Tine Width (single tine)	mm in	2

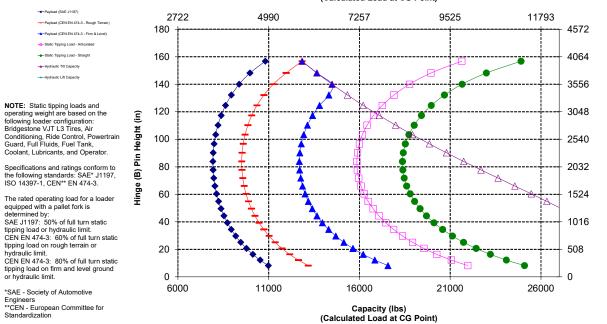


Hinge (B) Pin Height (mm)

*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level





*SAE - Society of Automotive

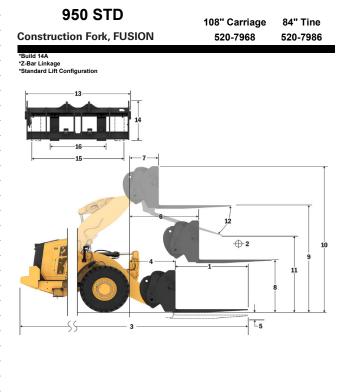
Engineers
**CEN - European Committee for

Coolant, Lubricants, and Operator

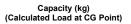


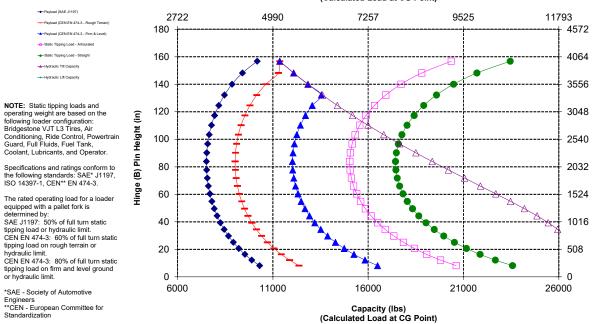
Fork Specifications

	nk opecinications		
1	Tine Length	mm in	2134 84.0
		mm	1067
2	Load Center	in	42.0
	O. C. T	kg	7908
	Static Tipping Load - Straight (Forks Level)	lbs	17430
	Ct-ti- Timein at Land Additionated (Forder Land)	kg	6819
	Static Tipping Load - Articulated (Forks Level)	lbs	15029
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3410
	Nated Load (SAE 31197 - 30 % F131L)	lbs	7515
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4091
	Trated Load (OLIV LIV 474-5 Rough Terrain - 00 /0 1 TOTL)	lbs	9018
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5152
	Traica Edad (OE14 E14 474 01 IIIII and Edvoi Glound - 00%1 101E)	lbs	11355
3	Maximum Overall Length	mm	9473
	Waxinam Overali Eengar	in	372.9
4	Reach with Forks at Ground Level	mm	1124
	Treadil Will I direct at Cround Edver	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
	Ordana to Bottom of Timo at Hilliam Trongint and Tork 2010	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
	Trodon Mary and Fronzontal and Fonto 2010	in	66.0
7	Reach with Fork at Maximum Height	mm	903
	Troubit Mari on at maximum rought	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
		in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
	· ' '	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	ḿш	4816
	· · · · · · · · · · · · · · · · · · ·	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1723
	<u> </u>	in	67.8
12	Max Discharge Angle from Horizontal	deg	55
		mm	2833
13	Overall Carriage Width	in	2033 111.5
		mm	1130
14	Overall Carriage Height	in	44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
		mm	180.0
	Tine Width (single tine)	in	7.1
	T. 7:1	mm	90.0
	Tine Thickness	in	3.5
	T 0 '	ka	12700
	Tine Capacity	lbs	27991
	O	ka	18286
	Operating Weight	lbs	40303
			.0000



Coolant, Lubricants, and Operator.







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.

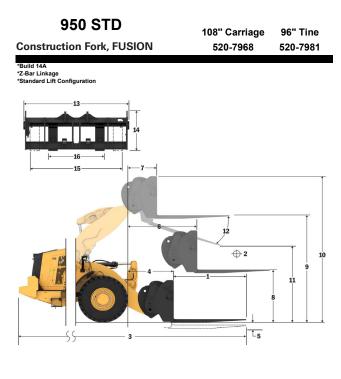
Hinge (B) Pin Height (mm)

^{*}Negative values indicate below grade

Fork Specifications

Fork Specifications

	ik opecinications		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	7515
		lbs	16563
	Static Tipping Load - Articulated (Forks Level)	kg lbs	6470 14260
		kg	3235
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7130
	D + 11	ka	3882
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	8556
	Detect Level (OEN EN 474 0 Firms and Level Occurred 1999/ ETCTL)	kg	4597
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	10132
3	Maximum Overall Length	mm	9777
•	Maximum Overali Length	in	384.9
4	Reach with Forks at Ground Level	mm	1124
_	Treach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
_	Croana to Bottom or timo at miniman riorgin and rom 2010	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
_		in	66.0
7	Reach with Fork at Maximum Height	mm	903
	<u> </u>	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	<u> </u>	in	72.7 3776
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	148.7
		mm	4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
		mm	1476
11	Clearance at Full Lift and Max Dump	in	58.1
	M 5: 1 A 1 (11 : 11		
12	Max Discharge Angle from Horizontal	deg	55
42	Overall Carriage Width	mm	2833
13	Overali Carriage Width	in	111.5
11	Overall Carriage Height	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Outside Tille Width (Max Spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	ḿш	180.0
	(3)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	11300
	· · · · · · · · · · · · · · · · · · ·	lbs	24905 18349
	Operating Weight	kq	40442
		lbs	40442



Hinge (B) Pin Height (mm)

*Negative values indicate below grade

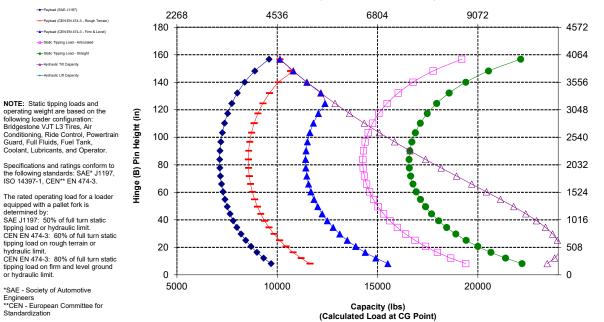
Payload (CEN EN 474-3 - Firm & Level

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 from the static tipping load on firm and level ground or hydraulic limit.

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

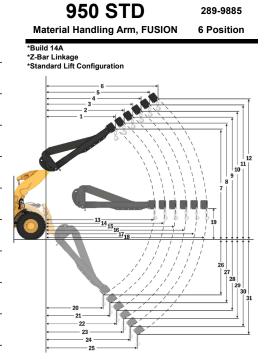






Material Handling Specifications

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
	mm	2,103	2,234	2,365	2,495	2,626	2,757
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)		6' 10"	7' 3"	7' 9"	8' 2"	8' 7"	9' 0"
Manual (6 - 11a-1) Friedrich (7 - 0 - 0 - 40 - 44 - 40)	mm	6,854	7,129	7,405	7,680	7,955	8,231
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 2"	26' 1"	27' 0"
Lavel Harly Evelet Beach (42, 44, 45, 46, 47, 40)	mm	4,540	4,845	5,150	5,454	5,759	6,064
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	14' 10"	15' 10"	16' 10"	17' 10"	18' 10"	19' 10"
Level - Hook Eyelet Height (19)	mm	1,813	1,813	1,813	1,813	1,813	1,813
	ft, in	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"
#= 1:# H==1: F::=1= D===1 (00, 04, 00, 02, 03, 04, 05)	mm	1,315	1,407	1,499	1,591	1,683	1,774
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	4' 3"	4' 7"	4' 11"	5' 2"	5' 6"	5' 9"
AF 1.77 11 1.5 1.111 1.11(02.07.00.00.00.00.01)	mm	(3,004)	(3,295)	(3,585)	(3,876)	(4,167)	(4,457)
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-9' 1"	-10' 2"	-11' 2"	-12' 3"	-13' 3"	-14' 4"
Chatte Timing I and Chattaba	kg	5,587	5,278	5,001	4,750	4,523	4,316
Static Tipping Load, Straight	lb	12,313	11,633	11,022	10,470	9,969	9,512
Chatin Timing I and Adiables	kg	4,866	4,596	4,354	4,135	3,936	3,755
Static Tipping Load, Articulated		10,724	10,129	9,595	9,113	8,675	8,275
On-service Weight	kg	17,496	17,496	17,496	17,496	17,496	17,496
Operating Weight		38,562	38,562	38,562	38,562	38,562	38,562





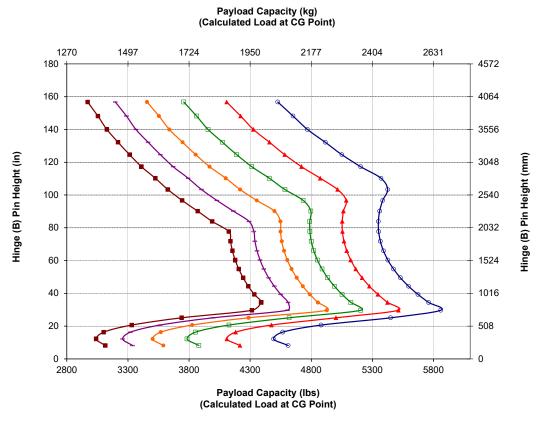
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

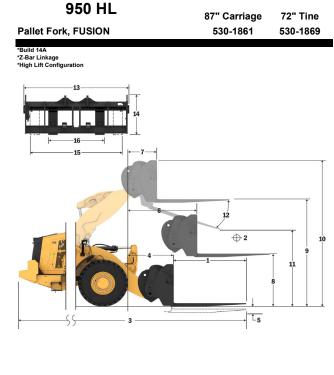
*SAE - Society of Automotive Engineers



Fork Specifications

Fork Specifications

1	Tine Length	mm	1830
	Tille Leligat	in	72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8037 17714
_		kg	6909
	Static Tipping Load - Articulated (Forks Level)	lbs	15228
_	D	ka	3455
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7614
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4146
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	9137
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		5528
	Traica Edua (OEIV EIV 474 OT IIII ana Edver Ground - 00% 1 101E)	lbs	12183
3	Maximum Overall Length	mm	9709
_		in	382.3
4	Reach with Forks at Ground Level	mm	1652
_		in	65.0 -189
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-7.4
_		mm	2088
6	Reach with Arms Horizontal and Forks Level	in	82.2
_	D 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	978
7	Reach with Fork at Maximum Height	in	38.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1743
	Ground to Top of Title with Arms Horizontal and Fork Level	in	68.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4167
	Ground to Top of Time at Maximum Height and Tork Edver	in	164.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4942
	- 0 (1 0 0 7	in	194.6
11	Clearance at Full Lift and Max Dump	mm	2609 102.7
	· · · · · · · · · · · · · · · · · · ·	in	102.7
12	Max Discharge Angle from Horizontal	deg	45
12	Overall Carriage Width	mm	2217
13	Overall Carriage viruli	in	87.3
14	Overall Carriage Height	mm	840
	O Totali Garriago Froigni	in	33.1
15	Outside Tine Width (max spread)	mm	2070



- Payload (CEN EN 474-3 - Rough Ter

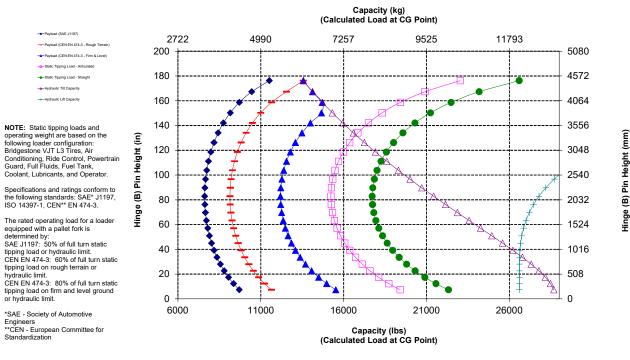
Coolant, Lubricants, and Operator

Payload (CEN EN 474-3 - Firm & Level

15 Outside Tine Width (max spread)

16 Outside Tine Width (min spread) Tine Width (single tine)

Tine Thickness Tine Capacity Operating Weight



81.5 470

in

5.9 65.0 2.6 5246 11562 18872 41594

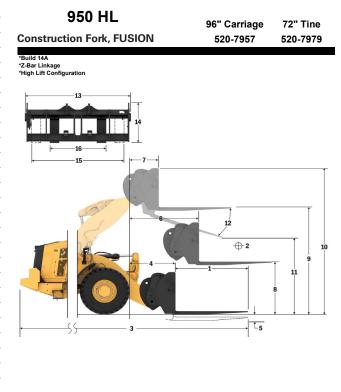


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^{*}Negative values indicate below grade

Fork Specifications

	ik opecinications		
1	Tine Length	mm	1829 72.0
_	1 10 1	in mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	7748
	Otatio ripping Load - Orangin (Forto Level)	lbs	17076
	Static Tipping Load - Articulated (Forks Level)	kg	6618
	, ,	lbs	14585 3309
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7293
		kg	3971
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	8751
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5294
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	11668
3	Maximum Overall Length	mm	9669
	Maximum Overali Lengui	in	380.7
4	Reach with Forks at Ground Level	mm	1613
		in	63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-109
		in	-4.3
6	Reach with Arms Horizontal and Forks Level	mm in	2081 81.9
_		mm	971
7	Reach with Fork at Maximum Height	in	38.2
_	0 11 7 77 71 11 11 15 11 1	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4271
	Ground to Top of Time at Maximum Height and Fork Level	in	168.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5311
		in	209.1
11	Clearance at Full Lift and Max Dump	mm	2530
	· '	in	99.6
12	Max Discharge Angle from Horizontal	deg	51
		mm	2528
13	Overall Carriage Width	in	99.5
	0 110 : 11:11	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
10	Outside Tille Width (Max Spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Catalas IIIIs Mati (IIIII spreas)	in	22.7
	Tine Width (single tine)	mm	180.0
	, ,	in	7.1
	Tine Thickness	mm	90.0 3.5
_		in ka	14800
	Tine Capacity	lbs	32619
_	0 " " " "	ka	19261
	Operating Weight	lbs	42452



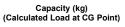
*Negative values indicate below grade

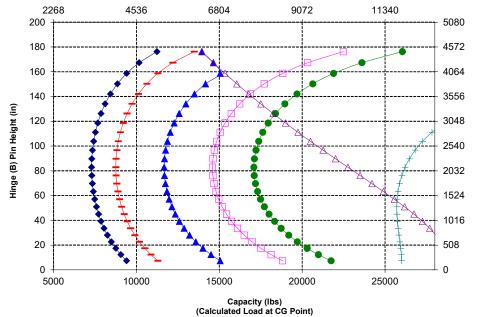
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coalant Livicants and Operator.

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.







or hydraulic limit.

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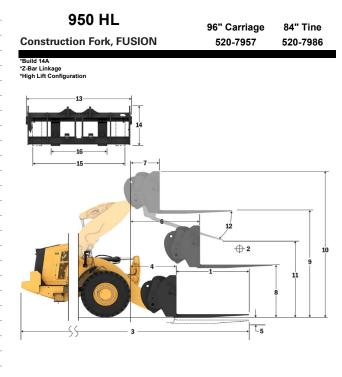
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

Fork Specifications

Fork Specifications

	ik Opecinications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	7382
_	11 0 0 0 7	lbs	16270 6295
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13874
	D-4-414 (CAE 14407 FOO) FTOTI \	kg	3147
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	6937
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3777
	rtated Edda (OE14 E14 474 O Hough Terrain - 00% T TOTE)	lbs	8324
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5036
	,	lbs mm	11099 9974
3	Maximum Overall Length	in	392.7
	Barack with Faulus at Consumal Laural	mm	1613
4	Reach with Forks at Ground Level	in	63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-109
	Cround to Bottom or Time at Milliman Freight and Tork Level	in	-4.3
6	Reach with Arms Horizontal and Forks Level	mm	2081
_		in	81.9
7	Reach with Fork at Maximum Height	mm in	971 38.2
_		mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4271
	Ground to Top of Time at Maximum Height and Fork Level	in	168.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5311
		in	209.1
11	Clearance at Full Lift and Max Dump	mm	2291 90.2
	· · · · · · · · · · · · · · · · · · ·	in	
12	Max Discharge Angle from Horizontal	deg	51
12	Overall Carriage Width	mm	2528
	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
		in	44.5 2178
15	Outside Tine Width (max spread)	mm in	85.7
		mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	Title Wider (origin and)	in	7.1
	Tine Thickness	mm	90.0
_		in	3.5
	Tine Capacity	ka Ibs	12700 27991
_	0 " W ' 1 "	ka	19324
	Operating Weight	lbs	42590
		100	500



Hinge (B) Pin Height (mm)

Payload (CEN EN 474-3 - Firm & Level

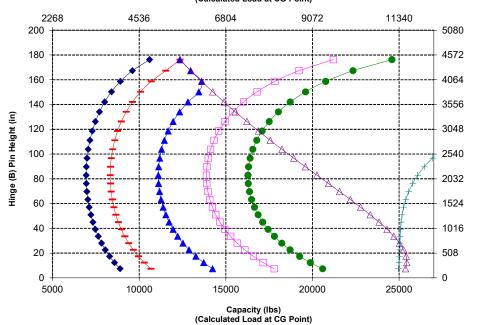
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

Capacity (kg) (Calculated Load at CG Point)





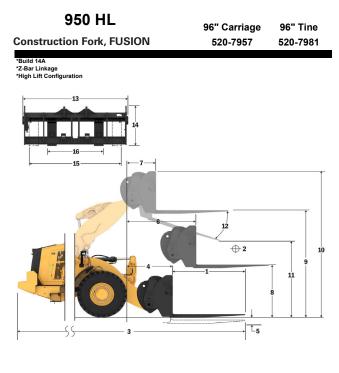
or hydraulic limit.

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^{*}Negative values indicate below grade

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	7041
	otatio ripping zoda otraigin (romo zorol)	lbs	15518
	Static Tipping Load - Articulated (Forks Level)	kg	5994
	· · · · · · · · · · · · · · · · · · ·	lbs kg	13210 2997
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	6605
		kg	3596
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	7926
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	4795
	Rated Load (CEN EN 474-3 Firm and Level Ground - 60% F131L)	lbs	10568
3	Maximum Overall Length	mm	10278
_	Waximum Overali Length	in	404.6
4	Reach with Forks at Ground Level	mm	1613
_	Trouble Main Sino at Orbana 2016	in	63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-109
		in	-4.3
6	Reach with Arms Horizontal and Forks Level	mm	2081 81.9
_		in mm	971
7	Reach with Fork at Maximum Height	in	38.2
_	One and to Top of Tip a with Association and Foods Lavel	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4271
	Ground to Top of Time at Maximum Fleight and Fork Level	in	168.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5311
		in	209.1
11	Clearance at Full Lift and Max Dump	mm	2054
	· '	in	80.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2528
	Overall Carriage Trials	in	99.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2178
15	Outside Tine Width (max spread)	in	85.7
		mm	576
16	Outside Tine Width (min spread)	in	22.7
	Ti \\(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	11300
	Timo Capacity	lbs	24905
	Operating Weight	kq	19386
	· · ·	lbs	42727



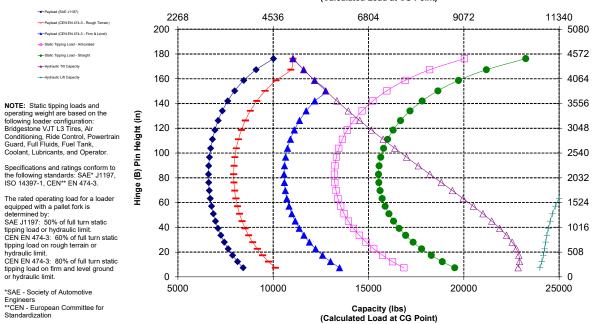
*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

Capacity (kg) (Calculated Load at CG Point)



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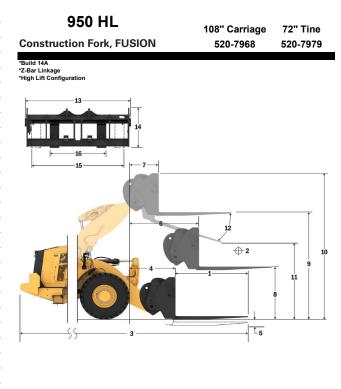
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

Fork Specifications

Fork Specifications

	ik Opecinications		
1	Tine Length	mm	1829 72.0
		in mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	7712
	Static ripping Load - Straight (Forks Level)	lbs	16997
	Static Tipping Load - Articulated (Forks Level)	kg	6582
	Otatic Tipping Load - Articulated (Forks Level)	lbs	14506
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3291
	Trailor 2000 (0/12 0/10/ 00/0/ 10/2)	lbs	7253
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3949
	······································	lbs	8704
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5265
		lbs	11605
3	Maximum Overall Length	mm	9669
		in	380.7
4	Reach with Forks at Ground Level	mm	1613
	·	in	63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-109
		in	-4.3
6	Reach with Arms Horizontal and Forks Level	mm	2081
_		in	81.9
7	Reach with Fork at Maximum Height	mm	971
_	·	in mm	38.2 1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
		mm	4271
9	Ground to Top of Tine at Maximum Height and Fork Level	in	168.2
		mm	5311
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.1
		mm	2530
11	Clearance at Full Lift and Max Dump	in	99.6
12	Max Discharge Angle from Horizontal	deg	51
	0 110 : 147:111	mm	2833
13	Overall Carriage Width	in	111.5
	O	mm	1130
14	Overall Carriage Height	in	44.5
4.5	Outside Tine Width (max spread)	mm	2483
15	Outside Title Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
-10	Odiside Tille Widit (Itilit Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	gio uno)	in	7.1
	Tine Thickness	mm	90.0
	1110 1110111000	in	3.5
	Tine Capacity	kq	14800
	····· especial	lbs	32619
	Operating Weight	ka	19311
	-1 5 5"	lbs	42562



Hinge (B) Pin Height (mm)

^{*}Negative values indicate below grade



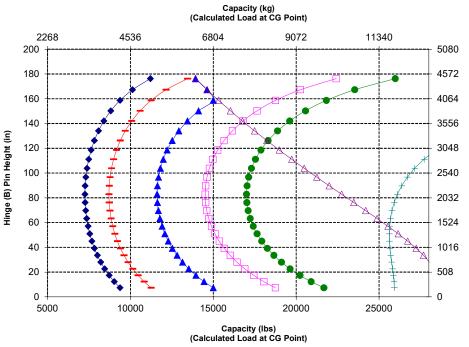
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coalant Livicants and Operator Coolant, Lubricants, and Operator.

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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

or hydraulic limit.

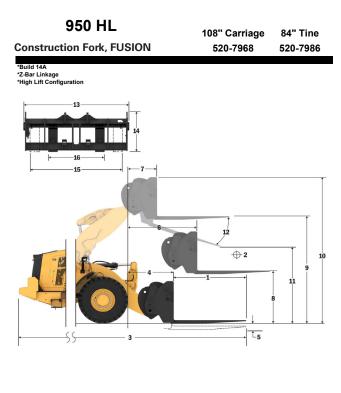
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Fork Specifications

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
_	Load Genter	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	7348
		ka	16196 6261
	Static Tipping Load - Articulated (Forks Level)	lbs	13800
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3131
	Trace Edda (GAE 91197 - 00701 1012)	lbs	6900
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3757
	<u> </u>	lbs ka	8280 5009
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	11040
3	Maximum Overall Length	mm	9974
<u> </u>	Maximum Overali Lengin	in	392.7
4	Reach with Forks at Ground Level	mm	1613
_		in	63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-109 -4.3
		mm	2081
6	Reach with Arms Horizontal and Forks Level	in	81.9
7	Reach with Fork at Maximum Height	mm	971
'	Reach with Fork at Maximum Height	in	38.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
_	· !	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4271 168.2
	0 1111111111111111111111111111111111111	mm	5311
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.1
11	Clearance at Full Lift and Max Dump	mm	2291
•••	Clearance at 1 dil Elit and Wax Bump	in	90.2
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm in	1130 44.5
	O 1 1 T 10 10 1	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Cubide Tille Width (Hill Spread)	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	T 7:1	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12700
	Tille Capacity	lbs	27991
	Operating Weight	kg	19373
		lbs	42698



*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

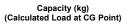
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

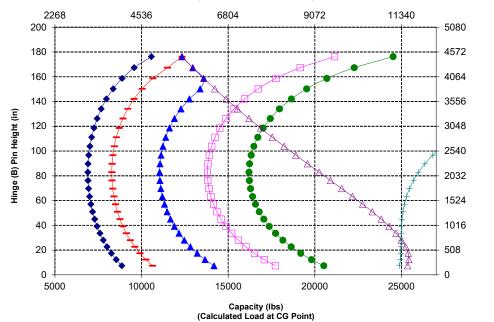
Coolant, Lubricants, and Operator

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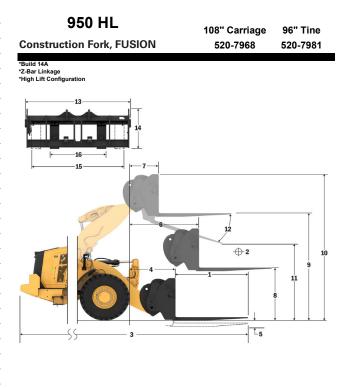
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2438 96.0
_		mm	1219
2	Load Center	in	48.0
	Ct-ti- Tii I Ctit (FI I I)	kg	7008
	Static Tipping Load - Straight (Forks Level)	lbs	15445
	Static Tipping Load - Articulated (Forks Level)	kg	5960
	Static ripping Load - Articulated (Porks Level)	lbs	13137
	Rated Load (SAE J1197 - 50% FTSTL)	kg	2980
	Traica Edad (G/IE 01101 - 00701 101E)	lbs	6568
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3576
	Trained Load (OLIT LIT IT TO Trought Torrain OUTST TOTA)	lbs	7882
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	4768
	,	lbs	10509
3	Maximum Overall Length	mm	10278
		in	404.6
4	Reach with Forks at Ground Level	mm	1613 63.5
		in mm	-109
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-4.3
		mm	2081
6	Reach with Arms Horizontal and Forks Level	in	81.9
_		mm	971
7	Reach with Fork at Maximum Height	in	38.2
_	Oncome data Ton of Time with Amore Harden and Fordal and	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4271
,	Ground to Top of Time at Maximum Height and Fork Level	in	168.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5311
	eroram riolgini or rom acr am Em (top or oamago to groama)	in	209.1
11	Clearance at Full Lift and Max Dump	mm	2054
	Olouranoo at 1 an Ent and max bump	in	80.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in mm	111.5 1130
14	Overall Carriage Height	in	44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	T 146 HI / 1 1 1 1	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	Title Thickness	in	3.5
	Tine Capacity	kg	11300
	ппе барабку	lbs	24905
	Operating Weight	kg	19436
	Operating Weight	lbs	42837



Hinge (B) Pin Height (mm)

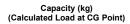
Payload (CEN EN 474-3 - Firm & Level)

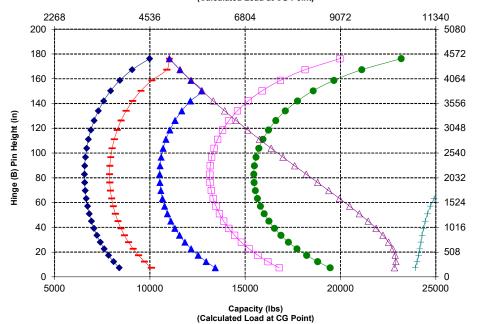
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Coolant, Lubricants, and Operator.

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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.







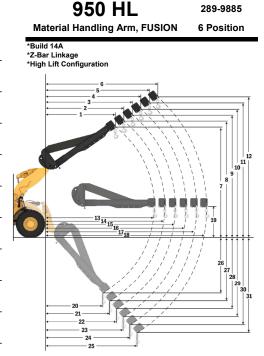
or hydraulic limit.

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**CEN - European Committee for

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Material Handling Specifications

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
M 17 11 15 11B 1 (400 450)	mm	1,888	1,991	2,095	2,198	2,302	2,406
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)		6' 2"	6' 6"	6' 10"	7' 2"	7' 6"	7' 10"
May Lift Hook Evolet Height (7 9 0 40 44 42)	mm	7,492	7,779	8,066	8,352	8,639	8,926
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	24' 6"	25' 6"	26' 5"	27' 4"	28' 4"	29' 3"
Lavel Harl Frield Break (42, 44, 45, 40, 47, 40)	mm	4,946	5,251	5,556	5,860	6,165	6,470
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	16' 2"	17' 2"	18' 2"	19' 2"	20' 2"	21' 2"
Level - Hook Eyelet Height (19)	mm	1,813	1,813	1,813	1,813	1,813	1,813
evel - Hook Eyelet Height (19)	ft, in	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"
# 1 # 1 1 1 1 1 1 1 1	mm	3,225	3,442	3,659	3,875	4,092	4,309
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	10' 6"	11' 3"	12' 0"	12' 8"	13' 5"	14' 1"
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	mm	(2,299)	(2,514)	(2,728)	(2,942)	(3,157)	(3,371)
Min Liit - Hook Eyelet Height (26, 27, 26, 29, 30, 31)	ft, in	-7' 5"	-8' 9"	-8' 0"	-9' 4"	-10' 7"	-11' 11"
Static Tipping Load, Straight	kg	5,418	5,138	4,885	4,655	4,445	4,253
Static Tipping Load, Straight	lb	11,940	11,324	10,767	10,260	9,798	9,373
Challe Time in a load Additional and	kg	4,673	4,431	4,212	4,012	3,831	3,664
Static Tipping Load, Articulated		10,298	9,765	9,282	8,844	8,443	8,075
Operating Weight	kg	18,583	18,583	18,583	18,583	18,583	18,583
Operating weight	lb	40,957	40,957	40,957	40,957	40,957	40,957





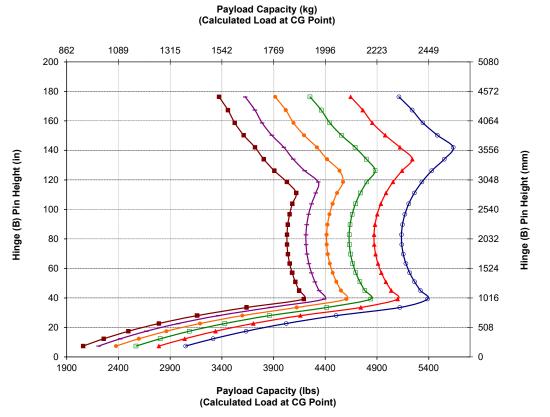
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

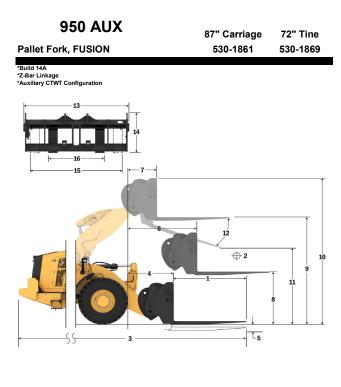
*SAE - Society of Automotive Engineers



Fork Specifications

Fork Specifications	;
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Tine Length	mm in	1830 72.0
Load Contar	mm	915
Load Certier	in	36.0
Static Tipping Load - Straight (Forks Level)		9396
		20709 8135
Static Tipping Load - Articulated (Forks Level)		17930
		4068
Rated Load (SAE J1197 - 50% FTSTL)		8965
Pated Load (CEN EN 474 2 Paugh Torrain 60% ETSTL)	kg	4881
Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	10758
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% ETSTL)	kg	5607
rated Educ (OET ET 17 1 0 1 mm and Edver Greating Co. 70 1 10 12)		12358
Maximum Overall Length		9227
		363.3 1170
Reach with Forks at Ground Level		46.1
		-167
*Ground to Bottom of Tine at Minimum Height and Fork Level		-6.6
Descharith Asses Herimontal and Forder Level		1682
Reach with Arms Horizontal and Forks Level	in	66.2
Reach with Fork at Maximum Height	mm	910
Treach with Fork at Maximum Fleight	in	35.8
Ground to Top of Tine with Arms Horizontal and Fork Level		1743
·		68.6
Ground to Top of Tine at Maximum Height and Fork Level		3671 144.5
		4446
Overall Height of Fork at Full Lift (top of carriage to ground)		175.1
Clearance at Full Lift and May Dumn	mm	2042
Clearance at Full Lift and Max Dump	in	80.4
Max Discharge Angle from Horizontal	dea	48
Max Districting 7 trigle from Fronzontal		
Overall Carriage Width		2217
· · · · · ·		87.3 840
Overall Carriage Height		33.1
		2070
Outside Tine Width (max spread)	in	81.5
Outside Tine Width (min spread)	mm	470
Outside Tille Width (Hilli Spread)	in	18.5
Tine Width (single tine)	mm	150.0
/9/		5.9
Tine Thickness		65.0
		2.6
Tine Capacity	lbs	5246 11562
Operating Weight	ka	18304
	Reach with Forks at Ground Level *Ground to Bottom of Tine at Minimum Height and Fork Level Reach with Arms Horizontal and Forks Level Reach with Fork at Maximum Height Ground to Top of Tine with Arms Horizontal and Fork Level Ground to Top of Tine at Maximum Height and Fork Level Overall Height of Fork at Full Lift (top of carriage to ground) Clearance at Full Lift and Max Dump Max Discharge Angle from Horizontal Overall Carriage Width Overall Carriage Height Outside Tine Width (max spread) Outside Tine Width (min spread) Tine Width (single tine) Tine Thickness	Load Center mm min Static Tipping Load - Straight (Forks Level) kg lbs Static Tipping Load - Articulated (Forks Level) kg lbs Static Tipping Load - Articulated (Forks Level) kg lbs Static Tipping Load - Articulated (Forks Level) kg lbs Stated Load (SAE J1197 - 50% FTSTL) kg lbs Stated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) kg lbs Stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg lbs Maximum Overall Length mm mm min mm min mm min mm min mm min mm min min mm min min min mm min min

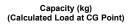


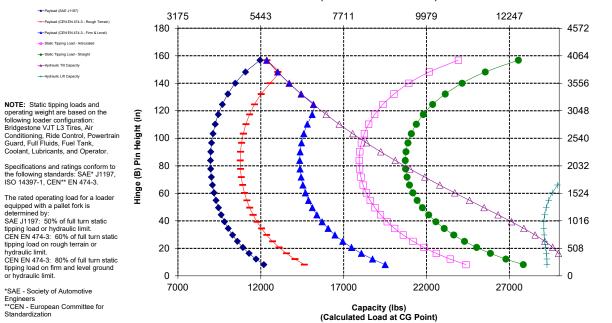
Hinge (B) Pin Height (mm)

*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

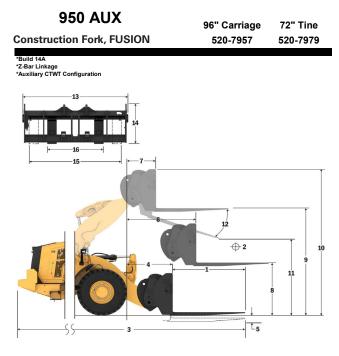




*SAE - Society of Automotive Engineers
**CEN - European Committee for

Fork Specifications

	opeoout.one		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9121
		lbs	20104 7857
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	17317
	D	kg	3929
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8659
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4714
	rtated Edad (OEIV EIV 474-0 Hough Tenam - 00701 TOTE)	lbs	10390
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5832
_		lbs mm	12855 9180
3	Maximum Overall Length	in	361.4
4	Reach with Forks at Ground Level	mm	1124
-	Reacti with Forks at Glound Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
_	<u> </u>	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1675 66.0
_	B 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	903
7	Reach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
_	Ordana to Top or time man / time rionzontar and rion zoron	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3776 148.7
		mm	4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1972
••	Clearance at 1 till Lint and Wax Dump	in	77.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2528
		in mm	99.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
13	Outside Title Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	· · · ·	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kq	14800
	• 1 •	lbs	32619
	Operating Weight	ka Ibs	18693 41200
		เมร	41200

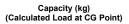


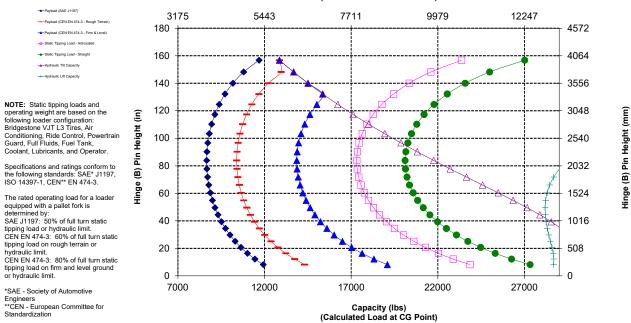
*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.





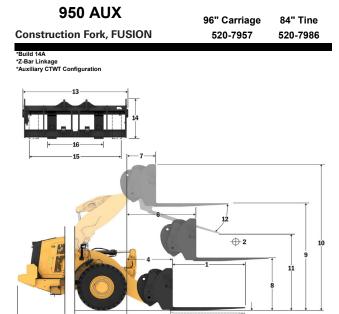


*SAE - Society of Automotive Engineers
**CEN - European Committee for

Fork Specifications

Fork Specifications	ork	Spec	ificat	ions
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Tine Length	mm in	2134
		84.0
Load Center	mm	1067
Load Center	in	42.0
Static Tipping Load - Straight (Forks Level)	kg	8664
,	lbs	19095 7453
Static Tipping Load - Articulated (Forks Level)	kg lbs	16428
D-1-111(OAE 14407 FOR FTOTI)	kg	3727
Rated Load (SAE J1197 - 50% FTSTL)	lbs	8214
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4472
Traced Estate (SETT ETT 17 T S Trought Tollam 1 SS 7 T T S T E)	lbs	9857
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5159 11370
	mm	9485
Maximum Overall Length	in	373.4
Reach with Forks at Ground Level	mm	1124
Reach with Forks at Ground Level	in	44.2
*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
Croana to Bottom of Timo at himminan Holghi and Fort 2010.	in	-3.5
Reach with Arms Horizontal and Forks Level	mm	1675
	in mm	66.0 903
Reach with Fork at Maximum Height	in	35.6
Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
	in	148.7
Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4816 189.6
	mm	1723
Clearance at Full Lift and Max Dump	in	67.8
Max Discharge Angle from Horizontal	deg	55
Wax Discharge Angle Iron Florizontal		
Overall Carriage Width	mm	2528
	in mm	99.5 1130
Overall Carriage Height	in	44.5
O 1 : 1 T 140 H 1	mm	2178
Outside Tine Width (max spread)	in	85.7
Outside Tine Width (min spread)	mm	576
Catalas Tinis Trialit (Tinit Spread)	in	22.7
Tine Width (single tine)	mm	180.0
· · · · · · · · · · · · · · · · · · ·	in mm	7.1 90.0
Tine Thickness	in	3.5
Tine Conseits	ka	12700
Tine Capacity	lbs	27991
Operating Weight	kg	18756
operating resignit	lbs	41339

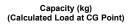


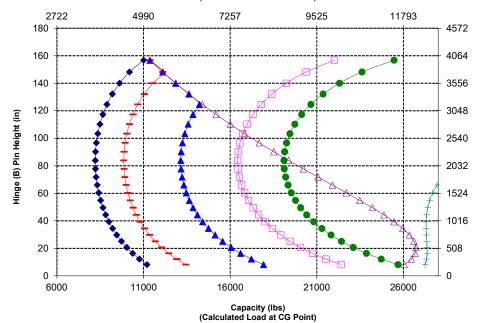
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Hinge (B) Pin Height (mm)

*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator 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 from the static tipping load on firm and level ground or hydraulic limit.

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



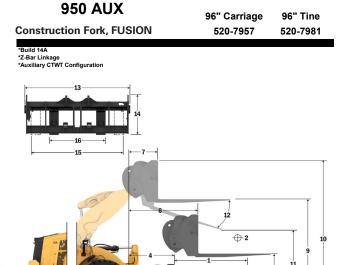
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Hinge (B) Pin Height (mm)

Fork Specifications

Fork Specifications

	opeoout.one		
1	Tine Length	mm in	2438 96.0
_	Load Contar	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8241
	7, 7	lbs ka	18164 7080
	Static Tipping Load - Articulated (Forks Level)	lbs	15605
	D-t111 (OAE 14407 FOO) FTOTI)	kg	3540
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7802
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4248
	Trace Load (OLIT LITTI O Trough Tondin OOM TOTA)	lbs	9363
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	4604 10146
_		mm	9789
3	Maximum Overall Length	in	385.4
4	Reach with Forks at Ground Level	mm	1124
_	Reach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
_		in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1675 66.0
_	B 1 31 5 1 111 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	903
7	Reach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
_	Croana to rop or time marrame riorizontal and rom zover	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3776
		mm	148.7 4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1476
•••	Clearance at Full Lift and Max Dump	in	58.1
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2528
		in	99.5 1130
14	Overall Carriage Height	mm in	44.5
	O LIL T. MINI / N	mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Catalac Tino Triali (Illin oproda)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq lbs	11300
		ka	24905 18818
	Operating Weight	lbs	41476
		100	7177

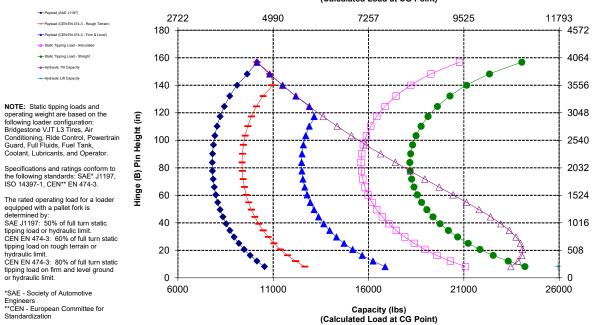


*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

Capacity (kg) (Calculated Load at CG Point)

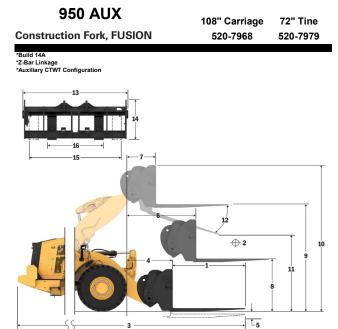


*SAE - Society of Automotive Engineers
**CEN - European Committee for

Fork Specifications

Fork Specifications	ork	Spec	ificat	ions
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_	opeoout.one		
1	Tine Length	mm in	1829 72.0
_	Load Contar	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9087
	Class Tipping 2000 Chaight (1 onto 2010)	lbs	20028
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	7823 17242
	· · · · · · · · · · · · · · · · · · ·	kg	3911
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8621
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4694
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	10345
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5824
	Traice Educ (OET ET 474 OT IIII and Edver Ground - 00701 1012)	lbs	12836
3	Maximum Overall Length	mm	9180
		in	361.4 1124
4	Reach with Forks at Ground Level	mm in	44.2
_		mm	-88
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
0	Reach with Arms Honzontal and Porks Level	in	66.0
7	Reach with Fork at Maximum Height	mm	903
_	Trought Mari on at maximum rioight	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	·	in mm	72.7 3776
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.7
40	O	mm	4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1972
•••	Olearance at 1 dil Elit and Max Dump	in	77.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm in	1130 44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
40	Outside Tine Width (min spread)	mm	590
10	Outside Title Width (Hill Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	This Trialit (chigle this)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq lbs	14800 32619
	0 " W : II	ka	18743
	Operating Weight	lbs	41310



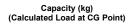
Hinge (B) Pin Height (mm)

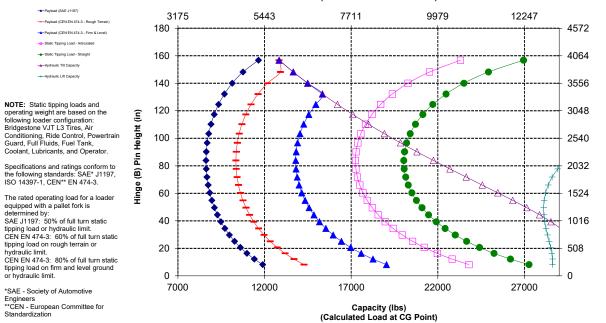
*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

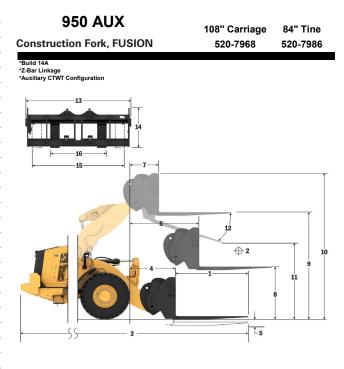




*SAE - Society of Automotive Engineers
**CEN - European Committee for

Fork Specifications

	openione		
1	Tine Length	mm in	2134 84.0
_		mm	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8632
	Static Tipping Load - Straight (1 Str. Level)	lbs	19025
	Static Tipping Load - Articulated (Forks Level)	kg	7422
	11 5	lbs	16357
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3711 8179
		kg	4453
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9814
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5152
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	11355
3	Maximum Overall Length	mm	9485
	Muximum Overum Lengur	in	373.4
4	Reach with Forks at Ground Level	mm	1124
	<u> </u>	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-88 -3.5
		mm	1675
6	Reach with Arms Horizontal and Forks Level	in	66.0
7	Decelorate Feet at Manieron Heints	mm	903
1	Reach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	Ordana to Top of Time with 74mio Florizonital and Fork Edver	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
	· •	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4816 189.6
		mm	1723
11	Clearance at Full Lift and Max Dump	in	67.8
40	Mary Directions Apple from Harimantal		
12	Max Discharge Angle from Horizontal	deg	55
12	Overall Carriage Width	mm	2833
	Overall Garriage Wilder	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5 2483
15	Outside Tine Width (max spread)	mm in	97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine (Midth /single tine)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THERESE	in	3.5
	Tine Capacity	ka	12700
	- 1 - 7	lbs	27991
	Operating Weight	kq	18805
		lbs	41447

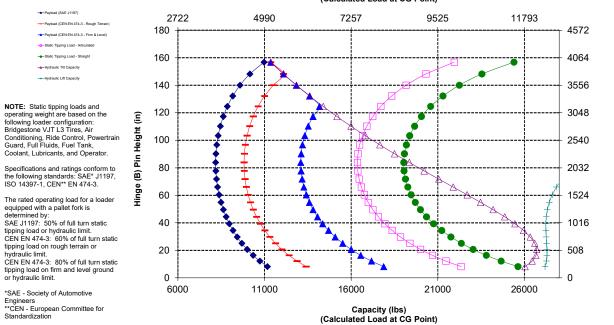


*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

Capacity (kg) (Calculated Load at CG Point)



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

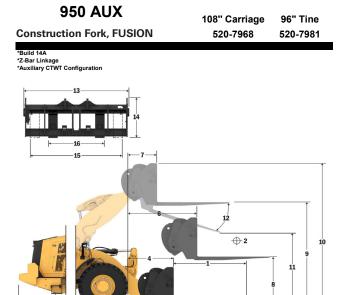
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

Fork Specifications

Fork Specifications

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1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8210
		lbs ka	18094 7049
	Static Tipping Load - Articulated (Forks Level)	lbs	15535
	D-1-111(OAE 14407 F00/ FTOTI)	kg	3524
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7768
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4229
	Trace Eda (OEI EI 474 O Hough Terrain - 00% T TOTE)	lbs	9321
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	4597
	· · · · · · · · · · · · · · · · · · ·	lbs mm	10132 9789
3	Maximum Overall Length	in	385.4
4	Reach with Forks at Ground Level	mm	1124
4	Reach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
_		in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1675 66.0
_		mm	903
7	Reach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
_	Cround to Top of Time with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
		in mm	148.7 4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and May Dumn	mm	1476
11	Clearance at Full Lift and Max Dump	in	58.1
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2833 111.5
		mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
13	Outside Title Width (Max spread)	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
		mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	Tille Tillickness	in	3.5
	Tine Capacity	kg	11300
	···- =-py	lbs	24905
	Operating Weight	kg	18868 41586
		lbs	41580



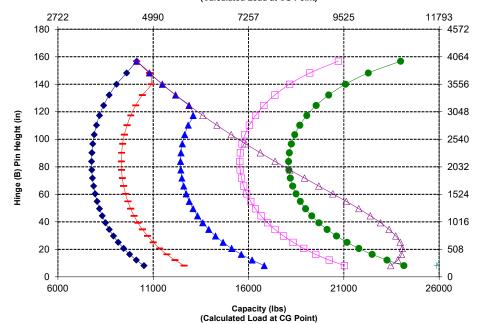
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Hinge (B) Pin Height (mm)

*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Capacity (kg) (Calculated Load at CG Point)



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator 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 from the static tipping load on firm and level ground or hydraulic limit.

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





Material Handling Specifications

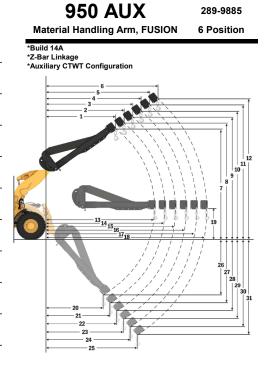
MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
	mm	2,103	2,234	2,365	2,495	2,626	2,757
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	6' 10"	7' 3"	7' 9"	8' 2"	8' 7"	9' 0"
Manual (6 - 11a-1) Friedskilleinski (7 - 0 - 0 - 40 - 44 - 40)	mm	6,854	7,129	7,405	7,680	7,955	8,231
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 2"	26' 1"	27' 0"
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	mm	4,540	4,845	5,150	5,454	5,759	6,064
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 16)	ft, in	14' 10"	15' 10"	16' 10"	17' 10"	18' 10"	19' 10"
Level Heat Evelet Height (40)	mm	1,813	1,813	1,813	1,813	1,813	1,813
Level - Hook Eyelet Height (19)	ft, in	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"
Min 1:41 Hardy Fryslat Parack (00, 04, 00, 02, 04, 05)	mm	1,315	1,407	1,499	1,591	1,683	1,774
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	4' 3"	4' 7"	4' 11"	5' 2"	5' 6"	5' 9"
	mm	(3,004)	(3,295)	(3,585)	(3,876)	(4,167)	(4,457
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-9' 1"	-10' 2"	-11' 2"	-12' 3"	-13' 3"	-14' 4"
Chatte Timing I and Chattaba	kg	6,074	5,740	5,439	5,168	4,921	4,696
Static Tipping Load, Straight	lb	13,388	12,650	11,988	11,390	10,846	10,351
Chatin Timing I and Adiables	kg	5,274	4,982	4,720	4,484	4,269	4,073
Static Tipping Load, Articulated	lb	11,623	10,981	10,404	9,883	9,409	8,977
o w	kg	18,015	18,015	18,015	18,015	18,015	18,015
Operating Weight	lb	39,706	39,706	39,706	39,706	39,706	39,706

2800

3300

3800

4300





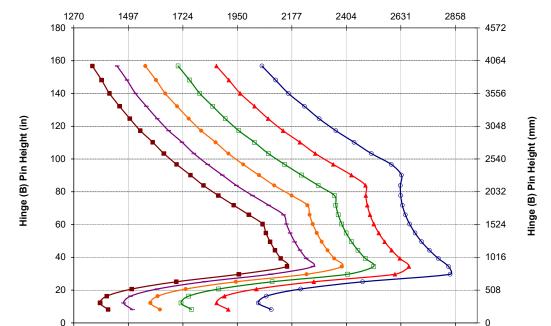
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, FuelTank, Coolant, Lubricants, and Operator.

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



4800

Payload Capacity (lbs)
(Calculated Load at CG Point)

5300

5800

6300

Payload Capacity (kg) (Calculated Load at CG Point)

Standard and Optional Equipment

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

	Standard	Optional
POWERTRAIN		
Cat® C7.1 engine	✓	
Electric fuel priming pump	✓	
Fuel-water separator and secondary fuel	✓	
filter		
Engine, air precleaner	✓	
Turbine, air precleaner		✓
Radiator, high debris		✓
Cooling fan, reversible		✓
Axles, open/open differentials**	✓	
Axles, manual front locks**	✓	
Axles, auto differential locks front and rear**	✓	
Axles, ecology drains, AOC ready, extreme temperature seals		✓
Axles, oil cooler		✓
Transmission, countershaft, automatic powershift	✓	
Torque converter with lock-up	✓	
Service brakes, hydraulic, fully enclosed wet disc, wear indicators, integrated braking system (IBS)	✓	
Park brake, caliper on front axles, spring applied–pressure released	✓	
Brake pedal neutralizer with decel function	✓	
ONBOARD TECHNOLOGIES		
Autodig with auto set tires	✓	
Operator ID and machine security	✓	
Application profiles	✓	
Job aids	✓	
Controls help and eOMM	✓	
Cat Payload	√	
Cat Advanced Payload		✓
Cat Payload for Trade***		✓
Cat Payload Printer with E-ticket ¹		✓
Dispatch for Loading ¹		✓
Key Features Inform	✓	
Bucket Carry Display Widget	✓	
Remote Services	✓	

	Standard	Optional
OPERATOR ENVIRONMENT		
Cab, pressurized, sound suppression	✓	
Door, remote opening system**		✓
EH implement controls, parking brake	✓	
Footrest		✓
HMU steering wheel	✓	
Steering, joystick		✓
Implement joystick (2V, 3V or 4V)		✓
Entertainment radio		✓
CB radio ready		✓
Seat, cloth, air suspension	✓	
Seat, suede/cloth, air suspension, heated		✓
Seat, leather/cloth, air suspension, heated/cooled		✓
Touchscreen display	✓	
Keypad, programmable buttons	✓	
Mirrors, heated		✓
Air conditioner, heater, defroster (auto temp, fan)	✓	
Sun visor, front, retractable	✓	
Sun visor, rear, retractable		✓
Windows, front, laminated	✓	
Windows, front, heavy duty		✓
Full cab window guard		✓

(continued on next page)

^{*} Not all configurations available in all regions, subject to availability.

** Standard or optional depending on region. Consult your dealer.

***Available in Europe and Australia. Country certifications vary. Contact your Cat dealer for more information.

¹Subscription required

Standard and Optional Equipment (continued)

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

	Standard	Optional
ELECTRICAL		
Starting and charging system, 24V	✓	
Starter, electric, heavy duty	✓	
Cold start, 120V or 240V		✓
Lights: halogen, 4 work lights, 2 front tower lights, 2 rearview lights	✓	
Lights: roading with turn signals		\checkmark
Lights: LED		✓
HYDRAULICS		
Implement system, load sensing with variable displacement piston pump	✓	
Steering system, load sensing with dedicated variable displacement piston pump	✓	
Ride control, dual accumulators**		✓
3 rd and 4 th auxiliary functions with ride control		✓
Oil sampling valves, Cat XT TM hoses	✓	
Quick coupler control		✓
LINKAGE		
Standard lift, Z-bar	✓	
High lift		✓
Kickouts: lift and tilt	✓	
MONITORING SYSTEM		
Front dash with analog gauges, LCD display, and warning lights	✓	
Primary touchscreen monitor (Cat Payload, quad screens, machine settings and messages)	✓	
Tire pressure monitor		✓
Maintenance reminders	✓	
ADDITIONAL EQUIPMENT		
Cat Autolube system		✓
Fenders, extensions or roading		✓
Guards: powertrain, crankcase, window glass, cylinders, rear		✓
Biodegradable hydraulic oil		✓
High-speed oil change system		✓
Rear cab access		✓
Single Life Cutting Edge GET		✓
Toolbox		✓

	Standard	Optional
SAFETY		
Seat belt reminder	✓	
2-point seat belt	✓	
4-point seat belt (kit)		✓
Rear vision camera	✓	
Rear vision camera, dedicated		✓
Seat belt indicator lamp		✓
Surround vision, dedicated		✓
Window cleaning platform, front		✓
Collision warning system		✓
Collision mitigation system		✓
Reverse strobe lights		✓
Warning beacon		✓
Secondary steering system, electrical**		✓
Wheel chocks		✓
Cat Command remote control		✓
SPECIAL CONFIGURATIONS*		
Auxiliary counterweight		✓
Steel mill		✓
Waste and industrial		✓
Forestry		✓
Corrosion resistant		✓

** Standard or optional depending on region. Consult your dealer.

^{*} Not all configurations available in all regions, subject to availability.

^{***}Available in Europe and Australia. Country certifications vary. Contact your Cat dealer for more information.

¹Subscription required

950 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.html.

Engine

- The Cat® C7.1 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards or Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, China Nonroad Stage IV, Japan 2014 engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)***
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels
- Cat engines meeting Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA, are compatible* with diesel fuel blended with the 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.

- * While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.
- ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.
- *** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel.
- ****For use of blends higher than 20% biodiesel, consult your Cat dealer.

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a CO₂ equivalent of 2.288 metric tonnes (2.522 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.389 kg (3.1 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 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 $\leq 0.01\%$
- Chromium < 0.01%
- $Lead \le 0.01\%$

Sound

Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	107 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	69 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	104 dB(A)

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

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.
- Autodig with auto set tires provides consistent high bucket fill factors for excellent productivity
- 5-speed advanced powershift transmission, including a lock-up clutch torque converter delivers smooth shifting, fast acceleration, and speed on grade, amplifying your performance and fuel efficiency
- Reliable fuel systems boost machine performance and fuel economy, lowering overall costs and fuel consumption
- Automatic engine idle shutdown system reduces idle hours
- Extended maintenance intervals reduce fluid and filter consumption
- Remote Flash and Remote Troubleshoot

Recycling

 The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	67.45%
Iron	15.49%
Nonferrous Metal	1.63%
Mixed Metal	0.47%
Mixed Metal and Nonmetal	0.32%
Plastic	0.97%
Rubber	6.05%
Mixed Nonmetallic	0.00%
Fluid	4.84%
Other	1.75%
Uncategorized	1.03%
Total	100%

A machine with higher recyclability rate will ensure more efficient usage
of valuable natural resources and enhance end-of-life value of the product.
According to ISO 16714 (Earthmoving machinery – Recyclability and
recoverability – Terminology and calculation method), recyclability rate is
defined as percentage by mass (mass fraction in percent) of the new machine
potentially able to be recycled, reused or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability - 94%



950

Waste and Scrap Handler

The Cat® 950 Wheel Loader Waste and Scrap Handler package features guarding and reinforcement necessary for work in transfer stations, recycling depots, scrap yards, and demolition sites.

Proven Reliability

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Waste and scrap handler package adds additional steel guards all around the machine to protect your investment and keep debris out of the implement valve and engine compartments.
- Heavy-duty steel cable lower steps stand up to the harshest of conditions.
- Heavy-duty transmission and axles designed to handle waste and scrap applications.
- Automatic countershaft powershift (5F/3R) transmission features durable, long-lasting components.

Achieve Greater Fuel Efficiency and Productivity

- Optional high lift linkage provides additional dump clearance.
- Optional 3rd and 4th valve hydraulics for work tools that require additional functions.
- Optional variable pitch fan and high debris cooling cores keep the cores free from debris.
- Five-speed transmission and lock-up clutch torque converter, powertrains deliver smooth shifting, fast acceleration, and speed on grade for greater performance and fuel efficiency.
- Deeply integrated engine, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Rear Vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional Surround Vision provides 360° visibility around the machine, enhancing an operator's situational awareness.
- Collision Mitigation System utilizes an integrated and intelligent sensor array to provide reverse collision warnings, detect people, inhibit motion, and enable automatic emergency braking.
- Cat Command remote control lets operators work safely from a distance.

- Cab access with wide door, optional remote door opening, and stair-like steps adds solid stability.
- Floor-to-ceiling windshield and large mirrors with integrated spot mirrors provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

- Extended fluid and filter change intervals help to reduce maintenance costs.
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

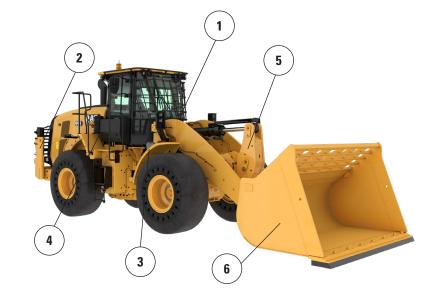
Work in Comfort in the All New Cab

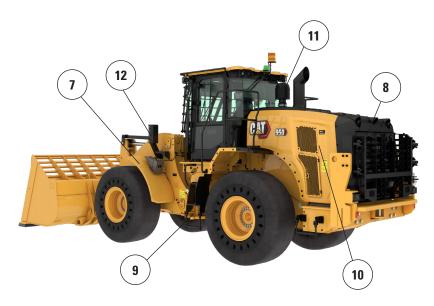
- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The standard hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. An optional seat-mounted electro-hydraulic joystick steering system (replaces the HMU steering wheel) is also available in many regions.

950 Waste and Scrap Handler Specifications

950 Waste and Scrap Handler Features

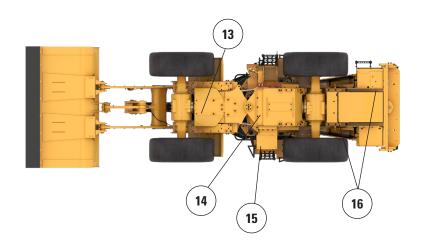
- 1. Optional window guarding to provide impact resistance to the glass
- 2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
- 3. Carbon cab air filter removes harsh odors
- Optional powered cab precleaner helps to improve cab filter life and keeps the cab pressurized
- Optional 3rd and 4th valve hydraulics available to control a large variety of work tools
- 6. Large line of Cat waste and scrap work tools





- Narrow front steel fenders help to keep the windshield clean and are set inboard of the outer edge of the tire for added protection
- 8. Optional rear guard protects the rear grill and cooling package from impact
- Heavy-duty steel cable lower steps stand up to the harshest conditions
- Optional variable pitch fan and high debris cooling cores help to keep the cooling package clean
- 11. Optional turbine engine air precleaner with a trash screen option helps to extend engine air filter life
- 12. Front lights are guarded and positioned close to the frame for added protection

- Lower front frame guard protects vital drivetrain components and keeps trash from getting in the front frame compartment
- 14. Powertrain guard protects the transmission and helps keep trash out of the engine compartment
- Lower hydraulic service center guard protects the transmission filter and keeps trash out of the service center
- 16. Rear crankcase and platform guards keep trash and debris out



Tire Options

Tire Brand	BRAWLER	BRAWLER	BRIDGESTONE	MAXAM	MICHELIN	GOODYEAR
Tire Size	23.5X25	23.5X25	23.5R25	23.5R25	23.5R25	23.5R25
Tread Type	N/A	N/A	L-3	L-3	L-3	L-3
Tread Pattern	SMOOTH	TRACTION	VJT	MS302	XHA2	GP-3E
Casing Strength	SOLID	SOLID	*	**	*	**
Width over Tires – Maximum (empty)*	2140 mm 7'1"	2140 mm 7'1"	2804 mm 9'3"	2825 mm 9'4"	2823 mm 9'4"	2140 mm 7'1"
Width over Tires – Maximum (loaded)*	2140 mm 7'1"	2140 mm 7'1"	2825 mm 9'4"	2829 mm 9'4"	2830 mm 9'4"	2140 mm 7'1"
Change in Vertical Dimensions		0 mm	-71 mm	-54 mm	-61 mm	-80 mm
(average of front and rear)		0"	-2.8"	-2.1"	-2.4"	-3.1"
Change in Horizontal Reach		0 mm 0"	15 mm 0.6"	1 mm 0"	9 mm 0.4"	13 mm 0.5"
Change in Clearance Circle to Outside of Tires		0 mm 0"	685 mm 27.0"	689 mm 27.1"	690 mm 27.2"	0 mm 0"
Change in Clearance Circle to Inside of Tires		0 mm 0"	-685 mm -27.0"	-689 mm -27.1"	-690 mm -27.2"	0 mm 0"
Change in Operating Weight (without ballast)		-144 kg -318 lb	-3208 kg -7,074 lb	-3208 kg -7,074 lb	-3364 kg -7,418 lb	-3272 kg -7,215 lb
Change in Static Tipping Load – Straight		-96 kg -212 lb	-2037 kg -4,492 lb	-2037 kg -4,492 lb	-2136 kg -4,710 lb	-2176 kg -4,798 lb
Change in Static Tipping Load – Articulated		-84 kg -185 lb	-1780 kg -3,926 lb	-1780 kg -3,926 lb	-1867 kg -4,117 lb	-1816 kg -4,004 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	298 mm 1'0"	298 mm 1'0"	481 mm 1'7"	481 mm 1'7"	481 mm 1'7"	481 mm 1'7"

^{*}Width over tire bulge and includes tire growth.

Operating Specifications – Buckets

Linkage					Sta	ndard Link	age			
Bucket Type					Genera	l Purpose -	Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m^3	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 - Rated at 110% Fill Factor	m^3	3.00	3.00	2.80	3.40	3.40	3.20	3.60	3.60	3.40
	yd^3	4.00	4.00	3.75	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"
16† Dump Clearance at Maximum Lift	mm	2989	2874	2874	2909	2791	2791	2870	2752	2752
and 45° Discharge	ft/in	9'9"	9'5"	9'5"	9'6"	9'1"	9'1"	9'5"	9'0"	9'0"
17† Reach at Maximum Lift and	mm	1254	1368	1368	1310	1421	1421	1340	1450	1450
45° Discharge	ft/in	4'1"	4'5"	4'5"	4'3"	4'7"	4'7"	4'4"	4'9"	4'9"
Reach at Level Lift Arm and	mm	2518	2679	2679	2618	2779	2779	2668	2829	2829
Bucket Level	ft/in	8'3"	8'9"	8'9"	8'7"	9'1"	9'1"	8'9"	9'3"	9'3"
A† Digging Depth	mm	36	36	6	36	36	6	36	36	6
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"
12† Overall Length	mm	8126	8301	8301	8226	8401	8401	8276	8451	8451
	ft/in	26'8"	27'3"	27'3"	27'0"	27'7"	27'7"	27'2"	27'9"	27'9"
B † Overall Height with Bucket at	mm	5416	5416	5416	5378	5378	5378	5553	5553	5553
Maximum Lift	ft/in	17'10"	17'10"	17'10"	17'8"	17'8"	17'8"	18'3"	18'3"	18'3"
Loader Clearance Circle Radius	mm	6649	6731	6731	6676	6759	6759	6690	6773	6773
with Bucket at Carry Position	ft/in	21'10"	22'1"	22'1"	21'11"	22'3"	22'3"	22'0"	22'3"	22'3"
Static Tipping Load, Straight	kg	17 285	17 145	17 460	17 085	16 944	17 253	16 979	16 837	17 139
(No tire deflection)	lb	38,107	37,800	38,493	37,667	37,355	38,037	37,432	37,119	37,785
Static Tipping Load, Articulated	kg	15 119	14 979	15 272	14 931	14 790	15 077	14 832	14 690	14 970
(No tire deflection)	lb	33,332	33,024	33,669	32,918	32,606	33,239	32,699	32,386	33,003
Breakout Force(§)	kN	166	165	182	152	151	165	146	145	158
	lbf	37,358	37,109	40,920	34,234	33,986	37,237	32,840	32,593	35,613
Operating Weight*	kg	22 148	22 256	22 099	22 237	22 345	22 188	22 282	22 390	22 233
	lb	48,827	49,065	48,719	49,023	49,261	48,915	49,123	49,361	49,015

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

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

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

[†] 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.

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

Linkage				Standa	rd Linkage		
Bucket Type				General Pu	rpose – Pin-On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	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 – Rated at 110% Fill Factor	m ³	3.70	3.70	3.50	4.00	4.00	3.70
	yd^3	4.75	4.75	4.50	5.25	5.25	4.75
Width	mm	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
6† Dump Clearance at Maximum Lift	mm	2844	2725	2725	2798	2679	2679
and 45° Discharge	ft/in	9'3"	8'11"	8'11"	9'2"	8'9"	8'9"
7† Reach at Maximum Lift and	mm	1362	1472	1472	1398	1508	1508
45° Discharge	ft/in	4'5"	4'9"	4'9"	4'7"	4'11"	4'11"
Reach at Level Lift Arm and	mm	2703	2864	2864	2763	2924	2924
Bucket Level	ft/in	8'10"	9'4"	9'4"	9'0"	9'7"	9'7"
A† Digging Depth	mm	36	36	6	36	36	6
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"
2† Overall Length	mm	8311	8486	8486	8371	8546	8546
	ft/in	27'4"	27'11"	27'11"	27'6"	28'1"	28'1"
B† Overall Height with Bucket at	mm	5582	5582	5582	5640	5640	5640
Maximum Lift	ft/in	18'4"	18'4"	18'4"	18'7"	18'7"	18'7"
Loader Clearance Circle Radius	mm	6700	6783	6783	6717	6800	6800
with Bucket at Carry Position	ft/in	22'0"	22'4"	22'4"	22'1"	22'4"	22'4"
Static Tipping Load, Straight	kg	16 912	16 769	17 061	16 783	16 640	16 931
(No tire deflection)	lb	37,284	36,970	37,614	37,002	36,685	37,328
Static Tipping Load, Articulated	kg	14 769	14 626	14 897	14 648	14 505	14 775
(No tire deflection)	lb	32,560	32,245	32,843	32,294	31,978	32,573
Breakout Force (§)	kN	142	140	153	135	134	146
	lbf	31,924	31,677	34,550	30,449	30,202	32,849
Operating Weight*	kg	22 312	22 420	22 263	22 370	22 478	22 321
	lb	49,189	49,427	49,081	49,317	49,555	49,209

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

[†] 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage			Standard Linkage				
Bucket Type		General Purpose – Hook-On – Fusion					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips			
Capacity – Rated	m^3	3.40	3.40	3.20			
	yd^3	4.50	4.50	4.25			
Capacity – Rated at 110% Fill Factor	m^3	3.70	3.70	3.50			
	yd^3	4.75	4.75	4.50			
Width	mm	2927	2994	2994			
	ft/in	9'7"	9'9"	9'9"			
6† Dump Clearance at Maximum Lift	mm	2802	2683	2683			
and 45° Discharge	ft/in	9'2"	8'9"	8'9"			
7† Reach at Maximum Lift and	mm	1398	1508	1508			
45° Discharge	ft/in	4'7"	4'11"	4'11"			
Reach at Level Lift Arm and	mm	2758	2919	2919			
Bucket Level	ft/in	9'0"	9'6"	9'6"			
A† Digging Depth	mm	44	44	14			
	in	1.7"	1.7"	0.5"			
2† Overall Length	mm	8373	8548	8548			
	ft/in	27'6"	28'1"	28'1"			
B † Overall Height with Bucket at	mm	5601	5601	5601			
Maximum Lift	ft/in	18'5"	18'5"	18'5"			
Loader Clearance Circle Radius	mm	6715	6799	6799			
with Bucket at Carry Position	ft/in	22'1"	22'4"	22'4"			
Static Tipping Load, Straight	kg	16 235	16 093	16 457			
(No tire deflection)	1b	35,793	35,479	36,282			
Static Tipping Load, Articulated	kg	14 125	13 983	14 326			
(No tire deflection)	1b	31,141	30,828	31,585			
Breakout Force(§)	kN	135	134	146			
	lbf	30,521	30,272	32,933			
Operating Weight*	kg	22 791	22 899	22 742			
	1b	50,245	50,483	50,137			

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

[†] 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.

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Linkage			Standard Linkage	
Bucket Type		Was	ste, Load, and Carry – Hook-On – Fus	ion
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	5.20	5.20	5.00
	yd³	6.75	6.75	6.50
Capacity – Rated at 110% Fill Factor	m ³	5.70	5.70	5.50
	yd^3	7.50	7.50	7.25
Width	mm	3059	3138	3138
	ft/in	10'0"	10'3"	10'3"
16† Dump Clearance at Maximum Lift	mm	2769	2608	2608
and 45° Discharge	ft/in	9'1"	8'6"	8'6"
17† Reach at Maximum Lift and	mm	1280	1403	1403
45° Discharge	ft/in	4'2"	4'7"	4'7"
Reach at Level Lift Arm and	mm	2714	2916	2916
Bucket Level	ft/in	8'10"	9'6"	9'6"
A† Digging Depth	mm	49	49	14
	in	1.9"	1.9"	0.5"
12† Overall Length	mm	8334	8557	8557
	ft/in	27'5"	28'1"	28'1"
B † Overall Height with Bucket at	mm	6138	6138	6138
Maximum Lift	ft/in	20'2"	20'2"	20'2"
Loader Clearance Circle Radius	mm	6765	6869	6869
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'7"
Static Tipping Load, Straight	kg	17 517	17 286	17 660
(No tire deflection)	lb	38,619	38,110	38,934
Static Tipping Load, Articulated	kg	15 202	14 971	15 324
(No tire deflection)	lb	33,515	33,005	33,784
Breakout Force(§)	kN	137	136	146
	lbf	30,957	30,571	32,832
Operating Weight*	kg	23 199	23 358	23 207
	lb	51,144	51,494	51,162

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

[†] 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage					Hig	gh Lift Linka	ige				
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	m^3	2.70	2.70	2.50	3.10	3.10	2.90	3.30	3.30	3.10	
	yd^3	3.50	3.50	3.25	4.00	4.00	3.75	4.25	4.25	4.00	
Capacity – Rated at 110% Fill Factor	m ³	3.00	3.00	2.80	3.40	3.40	3.20	3.60	3.60	3.40	
	yd^3	4.00	4.00	3.75	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"	
16 † Dump Clearance at Maximum Lift	mm	3484	3369	3369	3404	3287	3287	3365	3247	3247	
and 45° Discharge	ft/in	11'5"	11'0"	11'0"	11'2"	10'9"	10'9"	11'0"	10'7"	10'7"	
17† Reach at Maximum Lift and	mm	1322	1436	1436	1378	1489	1489	1407	1518	1518	
45° Discharge	ft/in	4'4"	4'8"	4'8"	4'6"	4'10"	4'10"	4'7"	4'11"	4'11"	
Reach at Level Lift Arm and	mm	2924	3085	3085	3024	3185	3185	3074	3235	3235	
Bucket Level	ft/in	9'7"	10'1"	10'1"	9'11"	10'5"	10'5"	10'1"	10'7"	10'7"	
A† Digging Depth	mm	58	58	28	58	58	28	58	58	28	
	in	2.2"	2.2"	1.1"	2.2"	2.2"	1.1"	2.2"	2.2"	1.1"	
12† Overall Length	mm	8636	8808	8808	8736	8908	8908	8786	8958	8958	
	ft/in	28'4"	28'11"	28'11"	28'8"	29'3"	29'3"	28'10"	29'5"	29'5"	
B † Overall Height with Bucket at	mm	5911	5911	5911	5874	5874	5874	6048	6048	6048	
Maximum Lift	ft/in	19'5"	19'5"	19'5"	19'4"	19'4"	19'4"	19'11"	19'11"	19'11"	
Loader Clearance Circle Radius	mm	6845	6926	6926	6872	6954	6954	6886	6968	6968	
with Bucket at Carry Position	ft/in	22'6"	22'9"	22'9"	22'7"	22'10"	22'10"	22'8"	22'11"	22'11"	
Static Tipping Load, Straight	kg	14 891	14 756	14 990	14 780	14 644	14 875	14 722	14 586	14 809	
(No tire deflection)	lb	32,828	32,533	33,049	32,584	32,286	32,795	32,457	32,157	32,650	
Static Tipping Load, Articulated	kg	12 958	12 824	13 044	12 849	12 714	12 931	12 792	12 656	12 867	
(No tire deflection)	lb	28,568	28,273	28,759	28,328	28,030	28,508	28,203	27,903	28,366	
Breakout Force(§)	kN	157	156	172	144	142	156	138	136	149	
	lbf	35,340	35,059	38,679	32,372	32,095	35,185	31,048	30,773	33,644	
Operating Weight*	kg	22 716	22 824	22 667	22 805	22 913	22 756	22 850	22 958	22 801	
	lb	50,079	50,317	49,971	50,275	50,513	50,167	50,374	50,613	50,266	

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

[†] 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets (continued)

Linkage				High Li	ft Linkage		
Bucket Type				General Pu	rpose – Pin-On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	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 – Rated at 110% Fill Factor	m ³	3.70	3.70	3.50	4.00	4.00	3.70
	yd^3	4.75	4.75	4.50	5.25	5.25	4.75
Width	mm	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
16† Dump Clearance at Maximum Lift	mm	3339	3221	3221	3293	3174	3174
and 45° Discharge	ft/in	10'11"	10'6"	10'6"	10'9"	10'4"	10'4"
17† Reach at Maximum Lift and	mm	1430	1540	1540	1466	1576	1576
45° Discharge	ft/in	4'8"	5'0"	5'0"	4'9"	5'2"	5'2"
Reach at Level Lift Arm and	mm	3109	3270	3270	3169	3330	3330
Bucket Level	ft/in	10'2"	10'8"	10'8"	10'4"	10'11"	10'11"
A† Digging Depth	mm	58	58	28	58	58	28
	in	2.2"	2.2"	1.1"	2.2"	2.2"	1.1"
12† Overall Length	mm	8821	8993	8993	8881	9053	9053
	ft/in	29'0"	29'7"	29'7"	29'2"	29'9"	29'9"
B † Overall Height with Bucket at	mm	6077	6077	6077	6136	6136	6136
Maximum Lift	ft/in	20'0"	20'0"	20'0"	20'2"	20'2"	20'2"
Loader Clearance Circle Radius	mm	6896	6978	6978	6913	6995	6995
with Bucket at Carry Position	ft/in	22'8"	22'11"	22'11"	22'9"	23'0"	23'0"
Static Tipping Load, Straight	kg	14 685	14 548	14 766	14 611	14 473	14 691
(No tire deflection)	lb	32,374	32,073	32,554	32,212	31,909	32,388
Static Tipping Load, Articulated	kg	12 755	12 619	12 824	12 683	12 546	12 750
(No tire deflection)	lb	28,122	27,821	28,273	27,962	27,660	28,109
Breakout Force(§)	kN	134	133	145	128	126	138
	lbf	30,178	29,904	32,636	28,776	28,503	31,021
Operating Weight*	kg	22 880	22 988	22 831	22 938	23 046	22 889
	lb	50,441	50,679	50,333	50,568	50,807	50,460

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

[†] 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.

Linkage			High Lift Linkage				
Bucket Type		General Purpose – Hook-On – Fusion					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips			
Capacity – Rated	m ³	3.40	3.40	3.20			
	yd³	4.50	4.50	4.25			
Capacity – Rated at 110% Fill Factor	m ³	3.70	3.70	3.50			
	yd^3	4.75	4.75	4.50			
Width	mm	2927	2994	2994			
	ft/in	9'7"	9'9"	9'9"			
6† Dump Clearance at Maximum Lift	mm	3297	3179	3179			
and 45° Discharge	ft/in	10'9"	10'5"	10'5"			
7 † Reach at Maximum Lift and	mm	1466	1576	1576			
45° Discharge	ft/in	4'9"	5'2"	5'2"			
Reach at Level Lift Arm and	mm	3164	3325	3325			
Bucket Level	ft/in	10'4"	10'10"	10'10"			
A† Digging Depth	mm	66	66	36			
	in	2.6"	2.6"	1.4"			
2† Overall Length	mm	8881	9054	9054			
	ft/in	29'2"	29'9"	29'9"			
B† Overall Height with Bucket at	mm	6096	6096	6096			
Maximum Lift	ft/in	20'0"	20'0"	20'0"			
Loader Clearance Circle Radius	mm	6913	6996	6996			
with Bucket at Carry Position	ft/in	22'9"	23'0"	23'0"			
Static Tipping Load, Straight	kg	14 087	13 951	14 244			
(No tire deflection)	lb	31,058	30,757	31,403			
Static Tipping Load, Articulated	kg	12 179	12 042	12 322			
(No tire deflection)	lb	26,850	26,549	27,167			
Breakout Force(§)	kN	128	127	138			
	lbf	28,829	28,555	31,086			
Operating Weight*	kg	23 359	23 467	23 310			
	lb	51,497	51,735	51,389			

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

[†] Illustration shown with Dimension charts.

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Linkage			High Lift Linkage				
Bucket Type		Waste, Load, and Carry – Hook-On – Fusion					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips			
Capacity – Rated	m ³	5.20	5.20	5.00			
	yd^3	6.75	6.75	6.50			
Capacity – Rated at 110% Fill Factor	m ³	5.70	5.70	5.50			
	yd^3	7.50	7.50	7.25			
Width	mm	3059	3138	3138			
	ft/in	10'0"	10'3"	10'3"			
16† Dump Clearance at Maximum Lift	mm	3265	3103	3103			
and 45° Discharge	ft/in	10'8"	10'2"	10'2"			
17† Reach at Maximum Lift and	mm	1347	1471	1471			
45° Discharge	ft/in	4'5"	4'9"	4'9"			
Reach at Level Lift Arm and	mm	3120	3322	3322			
Bucket Level	ft/in	10'2"	10'10"	10'10"			
A† Digging Depth	mm	71	71	36			
	in	2.8"	2.8"	1.4"			
12† Overall Length	mm	8842	9061	9061			
	ft/in	29'1"	29'9"	29'9"			
B † Overall Height with Bucket at	mm	6634	6634	6634			
Maximum Lift	ft/in	21'10"	21'10"	21'10"			
Loader Clearance Circle Radius	mm	6961	7064	7064			
with Bucket at Carry Position	ft/in	22'11"	23'3"	23'3"			
Static Tipping Load, Straight	kg	15 187	14 965	15 280			
(No tire deflection)	lb	33,481	32,993	33,687			
Static Tipping Load, Articulated	kg	13 088	12 866	13 167			
(No tire deflection)	lb	28,855	28,366	29,028			
Breakout Force(§)	kN	129	128	137			
	lbf	29,205	28,780	30,929			
Operating Weight*	kg	23 767	23 926	23 775			
	lb	52,396	52,746	52,414			

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

[†] 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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950 *Forestry Machine*

The Cat 950® Wheel Loader Forestry package provides the additional performance, productivity, and safety that is demanded in the woods and the millyard.

Proven Reliability

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Features an electric fuel priming pump, fuel-water separator, and secondary filtration system.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Heavy-duty axles are designed to handle extreme applications.
- Automatic countershaft powershift (5F/3R) transmission features durable, long-lasting components.

Achieve Greater Fuel Efficiency and Productivity

- Forestry package includes additional counterweight, and larger tilt cylinder.
- Optional variable pitch fan and high debris coolers minimize the potential for overheating and reduce downtime for radiator clean out in high debris applications.
- Optional 3rd and 4th valve auxiliary hydraulics to control work tools requiring the additional function.
- Five-speed transmission and lock-up clutch torque converter, powertrains deliver smooth shifting, fast acceleration, and speed on grade for greater performance and fuel efficiency.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Deeply integrated engine, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Rear Vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional Surround Vision provides 360° visibility around the machine, enhancing an operator's situational awareness.
- Collision Mitigation System utilizes an integrated and intelligent sensor array to provide reverse collision warnings, detect people, inhibit motion, and enable automatic emergency braking.

- Cat Command remote control lets operators work safely from a distance.
- Cab access with wide door, optional remote door opening, and stair-like steps adds solid stability.
- Floor-to-ceiling windshield and large mirrors with integrated spot mirrors provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

- Extended fluid and filter change intervals help to reduce maintenance costs.
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

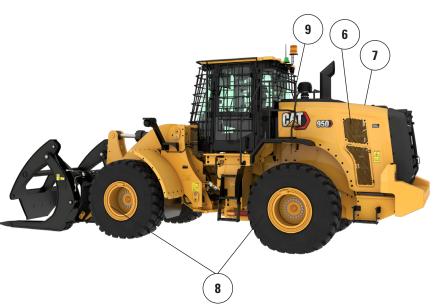
Work in Comfort in the All New Cab

- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The standard hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. An optional seat-mounted electro-hydraulic joystick steering system (replaces the HMU steering wheel) is also available in many regions.

950 Forestry Machine Features

- Larger tilt cylinder for increased load control in fork applications
- 2. Heavier counterweight provides increased tipping loads in a millyard application
- 3. Optional window guarding to provide impact resistance to the glass
- 4. Optional 3rd and 4th function hydraulics provide auxiliary hydraulic control for work tools like millyard or logging forks
- 5. Wide range of millyard work tools





- Optional variable pitch fan helps to keep rear grill and cooling cores clean in high debris applications
- 7. Optional high debris/wide fin spacing cooling cores are less prone to plugging
- 8. Optional axle oil cooler provides lower axle oil temperatures in high braking applications
- 9. Optional engine and cab precleaners for use in high debris applications

Tire Options

Tire Brand	BRIDGESTONE	MICHELIN	MICHELIN	BRIDGESTONE	MAXAM	GOODYEAR
Tire Size	23.5R25	23.5R25	750/65R25	750/65R25	23.5R25	23.5R25
Tread Type	L-3	L-3	L-3	L-3	L-3	L-3
Tread Pattern	VJT	XHA2	XLD	VTS	MS302	GP-3E
Casing Strength	*	*	*	*	**	**
Width over Tires – Maximum (empty)*	2800 mm 9'3"	2816 mm 9'3"	2934 mm 9'8"	2930 mm 9'8"	2820 mm 9'4"	2140 mm 7'1"
Width over Tires – Maximum (loaded)*	2824 mm 9'4"	2828 mm 9'4"	2968 mm 9'9"	2951 mm 9'9"	2828 mm 9'4"	2140 mm 7'1"
Change in Vertical Dimensions		10 mm	12 mm	19 mm	14 mm	25 mm
(average of front and rear)		0.4"	0.5"	0.7"	0.5"	1.0"
Change in Horizontal Reach		-6 mm -0.2"	5 mm 0.2"	-4 mm -0.2"	-15 mm -0.6"	-3 mm -0.1"
Change in Clearance Circle to Outside of Tires		4 mm 0.2"	144 mm 5.7"	128 mm 5.0"	4 mm 0.2"	-684 mm -26.9"
Change in Clearance Circle to Inside of Tires		-4 mm -0.2"	-144 mm -5.7"	-128 mm -5.0"	-4 mm -0.2"	684 mm 26.9"
Change in Operating Weight (without ballast)		-156 kg -344 lb	633 kg 1,395 lb	737 kg 1,625 lb	0 kg 0 lb	-64 kg -141 lb
Change in Static Tipping Load – Straight		-104 kg -229 lb	421 kg 928 lb	490 kg 1,080 lb	0 kg 0 lb	-43 kg -94 lb
Change in Static Tipping Load – Articulated		-90 kg -200 lb	367 kg 809 lb	427 kg 942 lb	0 kg 0 lb	-37 kg -82 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±8 degrees	±8 degrees	±13 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	481 mm 1'7"	481 mm 1'7"	298 mm 1'0"	298 mm 1'0"	481 mm 1'7"	481 mm 1'7"

^{*}Width over tire bulge and includes tire growth.

Operating Specifications – Buckets

Linkage		Forestry Linkage	
Bucket Type		Woodchip – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	
Capacity – Rated	m^3	9.20	
	yd³	12.00	
Capacity - Rated at 110% Fill Factor	m^3	10.10	
	yd³	13.25	
Width	mm	3330	
	ft/in	10'11"	
16 † Dump Clearance at Maximum Lift	mm	2247	
and 45° Discharge	ft/in	7'4"	
17† Reach at Maximum Lift and	mm	1766	
45° Discharge	ft/in	5'9"	
Reach at Level Lift Arm and	mm	3386	
Bucket Level	ft/in	11'1"	
A† Digging Depth	mm	104	
	in	4.1"	
12† Overall Length	mm	9007	
	ft/in	29'7"	
B † Overall Height with Bucket at	mm	6331	
Maximum Lift	ft/in	20'10"	
Loader Clearance Circle Radius	mm	7079	
with Bucket at Carry Position	ft/in	23'3"	
Static Tipping Load, Straight	kg	12 520	
(With tire deflection)	1b	27,603	
Static Tipping Load, Straight	kg	13 412	
(No tire deflection)	1b	29,569	
Static Tipping Load,	kg	10 649	
Articulated (With tire deflection)	1b	23,478	
Static Tipping Load, Articulated	kg	11 543	
(No tire deflection)	lb	25,449	
Breakout Force(§)	kN	134	
	lbf	30,190	
Operating Weight*	kg	19 580	
	lb	43,166	

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, axle oil cooler, logger counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), logger package, powertrain guard, secondary steering and sound suppression.

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

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

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

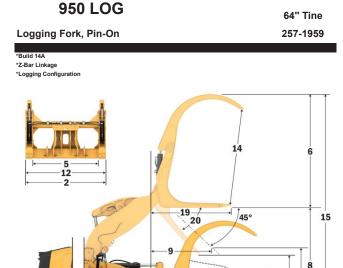
[†] Illustration shown with Dimension charts.

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

Fork Specifications

Fork Specifications

1 Time length in 68 mm 2 Fork width mm 22 in 68 mm End area m2 1 in 88 mm 3 Inside Height (only applies to double top clamp) in 72 in 52 mm 4 Min. opening (only applies to millyard forks) mm N in 8 mm Operating Weight kg 19 mm 5 Distance inside of tine tips mm 17 mm 5 Distance inside of tine tips mm 17 mm 6 Static tipping load, articulated kg 94 mm Fork level lbs 185 lbs 18		•		
2 Fork width mm 22 in 18 st End area ft2 2 3 Inside Height (only applies to double top clamp) mm 15 (only applies to double top clamp) 4 Min. opening (only applies to millyard forks) mm N Operating Weight lbs 48 st 5 Distance inside of tine tips mm 17 static tipping load, articulated kg 84 static tipping load, articulated kg 84 static tipping load, straight kg 98 static tipping load, straight kg<	1	Tine length		1614
End area m2 1. Inside Height (only applies to double top clamp) in 5. 4 Min. opening (only applies to millyard forks) in Noperating Weight kg 19 5 Distance inside of tine tips mm 17 Static tipping load, articulated kg 86 Fork level lbs 185 Static tipping load, straight kg 98 Fork level lbs 185 Static tipping load, straight kg 98 Kyclamp open if applicable) in 11 7 Clearance w/full lift, 45 deg dump (if max. dump >> 45) 8 Clearance @ full lift fork level in 14 9 Reach w/lift arm horizontal and fork level in 25 10 Reach @ ground level in 25 11 Max. opening across tine and clamp in 98 12 Width over tines mm 26 13 Reach @ ground level in 26 14 Max. opening across tine and clamp in 98 Clearance w/full lift and max. dump > 60 Clearance w/full lift and max. dump popen in 26 16 Overall height of fork @ full lift and clamp open in 26 Clearance w/full lift and max. dump pm 25 Clearance w/full lift and max. dump pm 26 Clearance w/full lift and max. dump pm 26 Clearance w/fortic max. dump mm 26 Clearance w/fortic max. dump pm 27 Clearance w/fortic max. dump pm 26 Clearance w/fortic max. dump pm 27 Clearance w/fo				63.5
End area	2	Fork width		2280
Find area				89.8
3 Inside Height (only applies to double top clamp) mm 13 (only applies to double top clamp) in 5 4 Min. opening (only applies to millyard forks) in N Operating Weight kg 19 (bs 42 (st) 5 Distance inside of tine tips mm 17 (st) 10 (st)		End area		1.93
of (only applies to double top clamp) in 6 4 Min. opening (only applies to millyard forks) in N Operating Weight kg 19 5 Distance inside of tine tips mm 10 5 Static tipping load, articulated kg 98 Fork level lbs 185 Static tipping load, straight kg 98 Fork level lbs 217 6 Max. height of fork (wiclamp open if applicable) in 11 7 Clearance wifull lift, 45 deg dump mm 22 (if max. dump <> 45) in 10 8 Clearance @ full lift fork level mm 37 9 Reach wifull lift, 45 deg dump mm 24 (if max. dump <> 45) in 50 10 Reach willift arm horizontal and fork level mm 25 11 *Ground to Bottom of Tool at Minimum Height and Tool Level in 16 12 Width over tines in 20 13 Reach @ ground level mm 22 14 Max. opening across tine and clamp mm 22 <th></th> <th>Lacida Hataba</th> <th></th> <th>21</th>		Lacida Hataba		21
4 Min. opening (only applies to millyard forks) in N Operating Weight kg 19 lbs 42 5 Distance inside of tine tips mm 17 in 6 lbs 42 5 Static tipping load, articulated kg kg 8- Fork level lbs 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 195 185 185 185 <td< th=""><th>3</th><th></th><th></th><th>1391</th></td<>	3			1391
4 (only applies to millyard forks) In N				55
Operating Weight kg 19 5 Distance inside of tine tips mm 17 5 Distance inside of tine tips mm 17 Static tipping load, articulated kg 84 Fork level lbs 185 Static tipping load, straight kg 96 Fork level lbs 217 6 Max. height of fork mm 22 (wiclamp open if applicable) in 11 7 Clearance wifull lift, 45 deg dump mm 22 (if max. dump <> 45) in 10 8 Clearance @ full lift fork level mm 25 10 Reach w/full lift, 45 deg dump mm 14 (if max. dump <> 45) in 5 10 Reach w/lift arm horizontal and fork level in 5 11 *Ground to Bottom of Tool at Minimum Height and Tool Level in -1 11 *Ground to Bottom of Tool at Minimum Height and Tool Level in -2 12 Width over tines	4			N/A
Static tipping load, articulated Fork level Static tipping load, articulated Fork level Static tipping load, articulated Fork level Static tipping load, straight Static tippi				N/A
5 Distance inside of tine tips mm 17 in 6 Static tipping load, articulated kg 98 Fork level lbs 185 Static tipping load, straight kg 98 Fork level lbs 217 6 Max. height of fork (w(alamp open if applicable) in 11 7 Clearance w/full lift, 45 deg dump (if max. dump <> 45) in 10 8 Clearance @ full lift fork level mm 37 9 Reach w/full lift, 45 deg dump (if max. dump <> 45) mm 11 9 Reach w/full lift, 45 deg dump (if max. dump <> 45) in 15 10 Reach w/lift arm horizontal and fork level mm 25 11 **Ground to Bottom of Tool at Minimum Height and Tool Level in 15 11 **Ground to Bottom of Tool at Minimum Height and Tool Level in 29 12 Width over tines mm 22 13 Reach @ ground level mm 23 14 Max. opening across tine and clamp mm 26 15 Overal		Operating Weight		19076
Static tipping load, articulated kg 84 Fork level lbs 185				42055
Static tipping load, articulated Fork level kg 84 Fork level lbs 185 Static tipping load, straight kg 99 Fork level lbs 217 6 Max. height of fork (w/clamp open if applicable) in 11 7 Clearance w/full lift, 45 deg dump (iff max. dump <> 45) mm 25 8 Clearance @ full lift fork level mm 30 9 Reach w/full lift, 45 deg dump (iff max. dump <> 45) mm 14 10 Reach w/lift arm horizontal and fork level mm 25 11 *Ground to Bottom of Tool at Minimum Height and Tool Level in 11 12 Width over tines mm 22 13 Reach @ ground level mm 25 14 Max. opening across tine and clamp mm 25 15 Overall height of fork @ full lift and clamp open in 96 16 Overall length mm 86 Tip of tine to rear of machine in 98 16 Clearance @ full lift and max. dump mm 25 17 Clearance @ full lift and max. dump mm 26 <	5	Distance inside of tine tips		1744
Fork level Ibs 185 Static tipping load, straight Kg 98 Fork level Ibs 217 Static tipping load, straight Kg 98 Fork level Ibs 217 Static tipping load, straight Kg 98 Fork level Ibs 217 Static tipping load, straight Kg 98 Fork level Ibs 217 Static tipping load, straight Kg 98 Static tipping load, straight Kg 98 Static tipping load, straight Kg 98 Static tipping load, straight Kg Static tipping load, straight K		Otatio tipping load articulated		69
Static tipping load, straight Fork level				8427
Fork level Ibs 217 6 Max. height of fork (w/clamp open if applicable) in 11 7 Clearance w/full lift, 45 deg dump (if max. dump <> 45) in 10 8 Clearance @ full lift fork level in 14 9 Reach w/full lift, 45 deg dump (if max. dump <> 45) in 16 10 Reach w/full lift, 45 deg dump (if max. dump <> 45) in 16 11 'Ground to Bottom of Tool at Minimum Height and Tool Level in 15 12 Width over tines mm 22 13 Reach @ ground level in 25 14 Max. opening across tine and clamp in 25 15 Overall height of fork @ full lift and clamp open in 26 16 Overall length mm 86 17 Clearance @ full lift and max. dump mm 28 18 Clearance @ full lift and max. dump mm 28 19 Clearance @ full lift and max. dump mm 28 10 Clearance @ full lift and max. dump mm 28 11 Clearance @ full lift and max. dump mm 28 12 Clearance @ full lift and max. dump mm 28 13 Clearance @ full lift and max. dump mm 28 14 Clearance @ full lift and max. dump mm 28 15 Clearance @ full lift and max. dump mm 28 16 Clearance @ full lift and max. dump mm 29 17 Clearance @ full lift and fork level in 79 18 Clearance w/horizontal lift arms and mm 170 19 Reach @ full lift and fork level in 79 19 Reach @ full lift and fork level in 80 20 Max. discharge angle from horizontal deg				18579.2
6 Max. height of fork (w/clamp open if applicable) in 11 7 Clearance w/full lift, 45 deg dump (if max. dump <> 45) in 10 8 Clearance @ full lift fork level mm 37 9 Reach w/full lift, 45 deg dump (if max. dump <> 45) mm 14 10 Reach w/lift arm horizontal and fork level mm 26 11 *Ground to Bottom of Tool at Minimum Height and Tool Level mm 26 11 *Ground to Bottom of Tool at Minimum Height and Tool Level mm 21 12 Width over tines mm 22 13 Reach @ ground level mm 23 14 Max. opening across tine and clamp in 26 15 Overall height of fork @ full lift and clamp open in 26 16 Overall length mm 85 Tip of tine to rear of machine in 26 17 Clearance @ full lift and max. dump mm 27 18 Clearance w/horizontal lift arms and fork level in 77 19				9845
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9 (Feach w/full lift, 45 deg dump (if max. dump <> 45) in 50 10 (Final Reach w/lift arm horizontal and fork level in 11 mm 25 11 *Ground to Bottom of Tool at Minimum Height and Tool Level in 15 mm 25 12 Width over tines in 8 mm 25 13 Reach @ ground level in 8 mm 25 14 Max. opening across tine and clamp in 9 mm 25 15 Overall height of fork @ full lift and clamp open in 26 mm 66 16 Overall length Tip of tine to rear of machine in 26 mm 88 17 Clearance @ full lift and max. dump in 9 mm 28 18 Clearance w/horizontal lift arms and fork level in 7 mm 17 18 Reach @ full lift and fork level in 8 mm 21 19 Reach @ full lift and fork level in 8 mm 21 20 Max discharge angle from horizontal deg	8	Clearance @ full lift fork level		3717
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10 Reach willit arm holizontal and fork level in 11 11 *Ground to Bottom of Tool at Minimum Height and Tool Level mm -1 12 Width over tines mm 22 13 Reach @ ground level mm 23 14 Max. opening across tine and clamp mm 25 15 Overall height of fork @ full lift and mm 65 16 Overall length mm 85 17 Clearance @ full lift and max. dump mm 25 18 Clearance whorizontal lift arms and fork level in 76 19 Reach @ full lift and fork level mm 21 19 Reach @ full lift and fork level in 76 20 Max. discharge angle from horizontal deg 20 20 Max. discharge angle from horizontal deg 20 21 Max discharge angle from horizontal deg 20 22 Max. discharge angle from horizontal deg 20 22 Max. discharge angle from horizontal deg 20 24 Max. discharge angle from horizontal deg 20 25 Max. discharge angle from horizontal deg 20 26 Max. discharge angle from horizontal deg 20 27 Max. discharge angle from horizontal deg 20 28 Max. discharge angle from horizontal deg 20 29 Max. discharge angle from horizontal deg 20 20 Max. discharge angle from horizontal deg 20 21 Max. discharge angle from horizontal deg 20 22 Max. discharge angle from horizontal deg 20 23 Max. discharge angle from horizontal deg 20 24 Max. discharge angle from horizontal deg 20 25 Max. discharge angle from horizontal deg 20 26 Max. discharge angle from horizontal deg 20 27 Max. discharge angle from horizontal deg 20 28 Max. discharge angle from horizontal deg 20 27 Max. discharge angle from horizontal deg 20 28 Max. discharge angle from ho		(II max. dump <> 45)		58.8
11 *Ground to Bottom of Tool at Minimum Height and Tool Level mm -1 12 Width over tines mm 25 13 Reach @ ground level mm 25 14 Max. opening across tine and clamp mm 25 15 Overall height of fork @ full lift and clamp open mm 66 16 Overall length mm 85 Tip of time to rear of machine in 36 17 Clearance @ full lift and max. dump mm 25 Discharge (if <> 45) in 95 18 Clearance w/horizontal lift arms and fork level mm 27 19 Reach @ full lift and fork level in 70 20 Max. discharge angle from horizontal deg 20	10	Reach w/lift arm horizontal and fork level		2951
11 Ground to Bottom of Tool at Minimum Height and Tool Level in 2-2 12 Width over tines mm 22 13 Reach @ ground level mm 23 14 Max. opening across tine and clamp in 9 15 Overall height of fork @ full lift and clamp open in 26 16 Overall length mm 85 Tip of tine to rear of machine in 33 17 Clearance @ full lift and max. dump mm 22 18 Clearance w/horizontal lift arms and fork level in 77 19 Reach @ full lift and fork level in 8 20 Max. discharge angle from horizontal deg 4				116.2
12 Width over tines mm 22 in 88 in 88 13 Reach @ ground level mm 22 in 88 14 Max. opening across tine and clamp mm 25 in 98 15 Overall height of fork @ full lift and clamp open in 26 16 Overall length Tip of tine to rear of machine mm 85 in 26 17 Clearance @ full lift and max. dump mm 25 in 98 18 Clearance w/horizontal lift arms and fork level mm 19 in 76 19 Reach @ full lift and fork level in 76 20 Max. discharge angle from horizontal deg	11	*Ground to Bottom of Tool at Minimum Height and Tool Level		-57
12 With over tines in 8t mm 25t mm				-2.2
13 Reach @ ground level mm 23 in 5 street 14 Max. opening across tine and clamp mm 25 street 15 Overall height of fork @ full lift and clamp open in 26 street 16 Overall length mm 88 in 33 street 17 Clearance @ full lift and max. dump lischarge (if <> 45) in 98 street 18 Clearance w/horizontal lift arms and fork level mm 17 street 19 Reach @ full lift and fork level in 7 street 20 Max. discharge angle from horizontal deg	12	Width over tines		2268
13 Reach @ ground level in c 14 Max. opening across tine and clamp mm 26 15 Overall height of fork @ full lift and clamp open in 26 16 Overall length Tip of tine to rear of machine in 35 17 Clearance @ full lift and max. dump Discharge (if <> 45) in 99 18 Clearance w/horizontal lift arms and fork level mm 76 19 Reach @ full lift and fork level in 76 20 Max. discharge angle from horizontal deg 20				89.3 2304
14 Max. opening across tine and clamp mm 25 in 99 in 99 15 Overall height of fork @ full lift and clamp open mm 62 in 26 16 Overall length Tip of tine to rear of machine in 38 in 38 in 39 i	13	Reach @ ground level		91
15 Overall height of fork @ full lift and clamp open mm 66 clamp open mm 86 clamp open mm 88 clamp open mm mm mm mm mm mm mm				2530
15 Overall height of fork @ full lift and clamp open in 26 16 Overall length Tip of tine to rear of machine in 33 17 Clearance @ full lift and max. dump mm 25 18 Clearance w/horizontal lift arms and fork level in 7 19 Reach @ full lift and fork level mm 21 19 Reach @ full lift and fork level in 8 20 Max. discharge angle from horizontal deg 26 20 Max. discharge angle from horizontal deg 27 21 Overall height of fork @ full lift and fork level mm 21 22 Max. discharge angle from horizontal deg 27 23 Overall height of fork @ full lift and fork level mm 21 24 Overall height of fork @ full lift and fork level mm 21 25 Overall height of fork @ full lift and fork level mm 21 26 Overall height of fork @ full lift and fork level mm 21 27 Overall height of fork @ full lift and fork level mm 21 28 Overall height of fork @ full lift and fork level mm 21 29 Overall height of fork @ full lift and fork level mm 21 20 Overall height of fork @ full lift and fork level mm 21 20 Overall height of fork @ full lift and fork level mm 21 20 Overall height of full lift and fork level mm 21 20 Overall height of full lift and fork level mm 21 21 Overall height of full lift and fork level mm 21 22 Overall height of full lift and fork level mm 21 24 Overall height of full lift and fork level mm 21 25 Overall height of full lift and fork level mm 21 26 Overall height of full lift and fork level mm 21 27 Overall height of full lift and fork level mm 21 28 Overall height of full lift and fork level mm 21 29 Overall height of full lift and fork level mm 21 20 Overall height of full lift and fork level mm 21 20 Overall height of full lift and fork level mm 21 20 Overall height of full lift and fork level mm 21 20 Overall height of full lift and fork level mm 21 20 Overall height	14	Max. opening across tine and clamp		
Clamp open In 26		Overall height of fork @ full lift and		99.6
16 Overall length mm 86 mm 33 17 Clearance @ full lift and max. dump mm 25 mm 25 18 Clearance whorizontal lift arms and mm 17 mm 27 mm 27 mm 28 mm	15			6649
Tip of tine to rear of machine in 33 17 Clearance @ full lift and max. dump mm 25 Discharge (if <> 45) in 95 18 Clearance w/horizontal lift arms and fork level in 77 19 Reach @ full lift and fork level mm 21 in 85 20 Max discharge angle from horizontal deg 48				261.8 8531
17 Clearance @ full lift and max. dump Discharge (if <> 45) mm 25 min 95 min 95 min 95 min 95 min 96 min 96 min 96 min 96 min 96 min 96 min 97 min	16			
17 Discharge (if <> 45) in 98 18 Clearance w/horizontal lift arms and fork level mm 174 19 Reach @ full lift and fork level mm 21 20 Max_discharge angle from horizontal deg 4				335.9 2534
18 Clearance w/horizontal lift arms and fork level mm 178 19 Reach @ full lift and fork level mm 21 20 Max_discharge angle from horizontal deg 4	17			99.8
10 fork level in 70 19 Reach @ full lift and fork level mm 21 20 Max. discharge angle from horizontal deg 4		Clearance w/horizontal lift arms and		1788.1
19 Reach @ full lift and fork level mm 21: in 8! 20 Max_discharge angle from horizontal deg 4.	18			
19 Reach @ full lift and fork level in 8 deg 4				70.4 2179.1
20 Max. discharge angle from horizontal deg 4	19	Reach @ full lift and fork level		
20 Max. discharge angle from norizontal				85.8
rad U	20	Max. discharge angle from horizontal		48
			rad	8.0



13

17 18

Hinge (B) Pin Height (mm)

L11

*Negative values indicate below grade

Capacity (kg) (Calculated Load at CG Point)



- → Payload (CEN EN 474-3 Firm & Level)

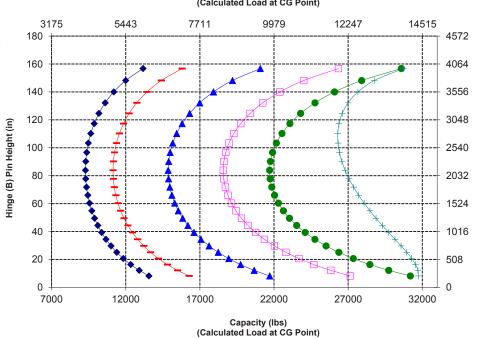
 Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity
- Hydraulic Tilt Capacity
 Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT 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.

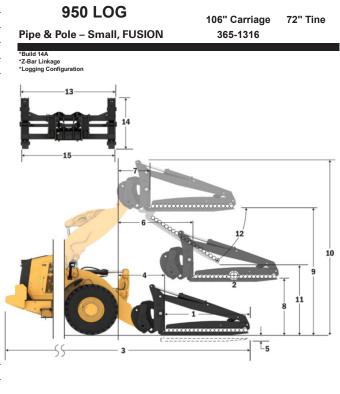
*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization



Fork Specifications

Fork Specifications

	•		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
		in kg	36.0 8071
	Static Tipping Load - Straight (Forks Level)	lbs	17789
	Static Tipping Load - Articulated (Forks Level)	kg	6849
		lbs kg	15096 3425
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7548
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4110
		lbs ka	9058 5480
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12077
3	Maximum Overall Length	mm	9218 362.9
_	B - 1 - 21 - 5 - 1 - 1 - 1	in mm	1163
4	Reach with Forks at Ground Level	in	45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-64
		in mm	-2.5 1743
6	Reach with Arms Horizontal and Forks Level	in	68.6
7	Reach with Fork at Maximum Height	mm	970
		in mm	38.2 1857
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3786
	<u>*</u>	in mm	149.0 5030
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	198.0
11	Clearance at Full Lift and Max Dump	mm	1892
		in	74.5
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm in	2813 110.7
44	Occasil Ossissa Usiaht	mm	1321
14	Overall Carriage Height	in	52.0
15	Outside Tine Width (max spread)	mm in	2686 105.7
40	Outside Time (Middle (union second))	mm	2686
16	Outside Tine Width (min spread)	in	105.7
	Tine Width (single tine)	mm in	203.2 8.0
	Tire Thirdren	mm	76.2
	Tine Thickness	in	3.0
	Operating Weight	kg	19355
	A-time Olema Time Lift Occasión	lbs kg	42658 7076
	Active-Clamp Tine Lift Capacity	lbs	15596
	Tine Capacity	kg	11794
		lbs	25994



^{*}Negative values indicate below grade



- ◆Payload (SAE J1197)
- -- Payload (CEN EN 474-3 Rough Terrain)

 -- Payload (CEN EN 474-3 Firm & Level)
- Static Tipping Load Articulated
- Static Tipping Load Straight
 Hydraulic Tilt Capacity
- → Hydraulic Tilt Capacity

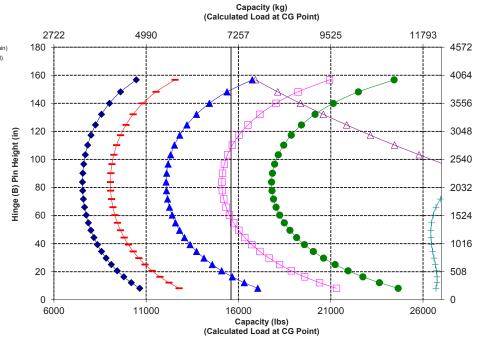
 → Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT 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



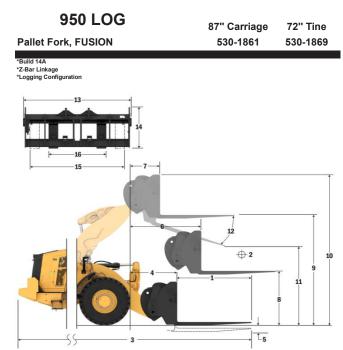
NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine. NOTICE: When clamp is continuously supplied with 15513 kPa (2250 psi), tine rating is 7076 kg (15596 lbs.) at 914 mm (36") load center per pair.

Hinge (B) Pin Height (mm)

Fork Specifications

Fork Specifications

_			
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
_		in	36.0 9228
	Static Tipping Load - Straight (Forks Level)	kg Ibs	20339
	Static Tipping Load - Articulated (Forks Level)	kg	7994
	Static Tipping Load - Articulated (Forks Level)	lbs	17619
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3997 8809
	Detect Lend (OEN EN 474 2 Devek Terreir COO/ ETCTL)	ka	4796
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10571
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6395
	,	lbs mm	14095 9227
3	Maximum Overall Length	in	363.3
4	Reach with Forks at Ground Level	mm	1170
_	Neach with 1 ons at Glound Level	in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-167
_		in mm	-6.6 1682
6	Reach with Arms Horizontal and Forks Level	in	66.2
7	Reach with Fork at Maximum Height	mm	910
	Treatin with one at maximum rieignt	in	35.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1743 68.6
_	Out of the Table of Table of Market and Height and Feed to all	mm	3671
9	Ground to Top of Tine at Maximum Height and Fork Level	in	144.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4446
		in mm	175.1 2042
11	Clearance at Full Lift and Max Dump	in	80.4
12	Max Discharge Angle from Horizontal	deg	48
12	Wax Discharge Angle Irom Horizontal		
13	Overall Carriage Width	mm in	2217 87.3
	0	mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
	. , ,	in	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	65.0
	THE THICKNESS	in	2.6
	Tine Capacity	kg	5246
		lbs kg	11562 18285
	Operating Weight	lbs	40300



Hinge (B) Pin Height (mm)

508

27000

*Negative values indicate below grade

→ Payload (SAE J1197)

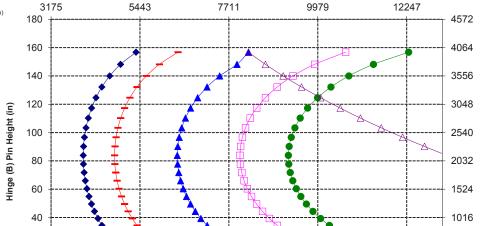
- Payload (CEN EN 474-3 Rough Terrain)
- ▲Payload (CEN EN 474-3 Firm & Level)
- Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT 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 rough terrain or hydraulic limit.

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Capacity (kg) (Calculated Load at CG Point)

Capacity (lbs)
(Calculated Load at CG Point)

22000

17000

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

20

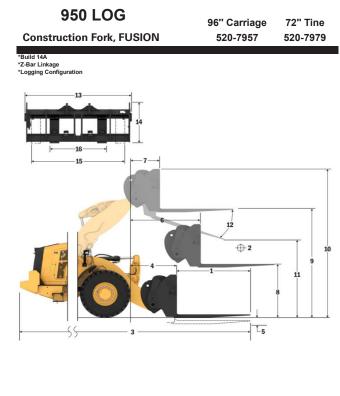
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12000

Fork Specifications

Fork Specifications

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8953 19732
	Otatia Timeira I and Addinistrated (Fortia I asset)	ka	7716
	Static Tipping Load - Articulated (Forks Level)	lbs	17005
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3858 8503
	D	ka	4629
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10203
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6172
		lbs mm	13604 9180
3	Maximum Overall Length	in	361.4
4	Reach with Forks at Ground Level	mm	1124
	Treach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
		in mm	-3.5 1675
6	Reach with Arms Horizontal and Forks Level	in	66.0
7	Reach with Fork at Maximum Height	mm	903
	readif with one at maximum ridight	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1847 72.7
_	Occupate Top of Tips of Manipular Unight and Fodul and	mm	3776
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
		in mm	189.6 1972
11	Clearance at Full Lift and Max Dump	in	77.6
12	Max Discharge Angle from Horizontal	deg	55
		mm	2528
13	Overall Carriage Width	in	99.5
11	Overall Carriage Height	mm	1130
14	Overall Carriage Fleight	in	44.5
15	Outside Tine Width (max spread)	mm in	2178
		mm	85.7 576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm in	90.0 3.5
	Time Councils.	ka	14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	18674
		lbs	41157
	*Nogative values indicate below grade		



*Negative values indicate below grade



- -- Payload (CEN EN 474-3 Rough Terrain)

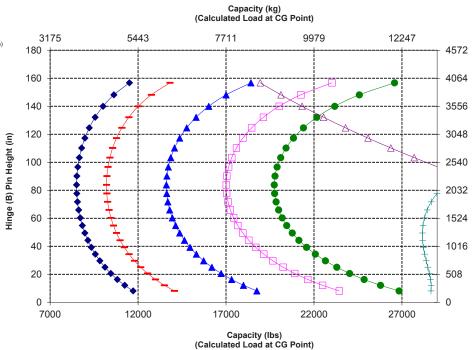
 → Payload (CEN EN 474-3 Firm & Level)
- Static Tipping Load Articulated
- Static Tipping Load Straight
- → Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT 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.

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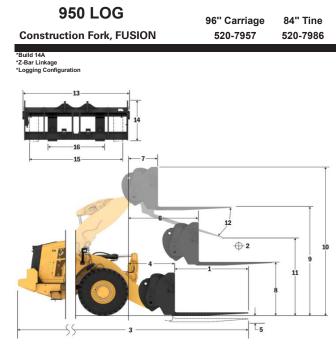
NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

Fork Specifications

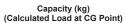
Fork	Spec	cifica	tions
------	------	--------	-------

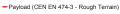
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8502 18739
		ka	7318
	Static Tipping Load - Articulated (Forks Level)	lbs	16128
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3659
		lbs	8064 4391
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	9677
	Detect and (CEN EN 474 & Firm and Level Convert 200) (FTCT)	ka	5854
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12903
3	Maximum Overall Length	mm	9485
_		in	373.4 1124
4	Reach with Forks at Ground Level	mm in	44.2
-	+O	mm	-88
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
_		in	66.0 903
7	Reach with Fork at Maximum Height	mm in	35.6
_	0 11 7 17 21 4 11 1 15 11 1	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
		in mm	148.7 4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1723
"	Clearance at Full Lift and Wax Dump	in	67.8
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2528
	Overall Carriage Wilder	in	99.5
14	Overall Carriage Height	mm in	1130 44.5
		mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
		in mm	22.7 180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	12700
		lbs kg	27991 18737
	Operating Weight	lbs	41296
		103	71230



Hinge (B) Pin Height (mm)

*Negative values indicate below grade





- →Payload (CEN EN 474-3 Firm & Level)
- -Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity

→Payload (SAE J1197)

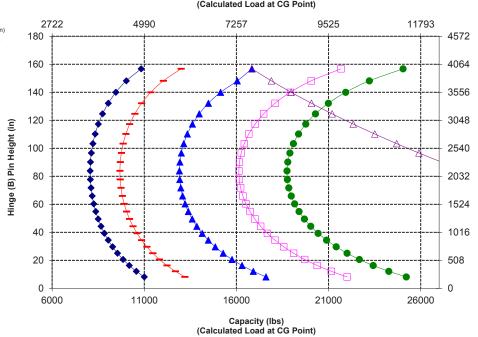
+Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT 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 LEN 4/4-3: 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

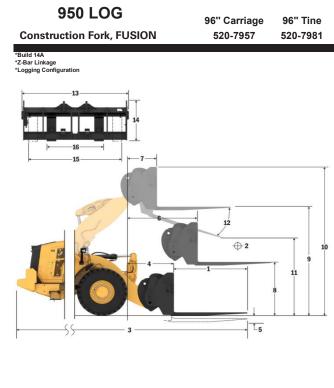


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Geriter	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8086 17822
	0.6 7	ka	6950
	Static Tipping Load - Articulated (Forks Level)	lbs	15317
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3475
		lbs	7659
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4170 9190
	D	ka	5560
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12254
3	Maximum Overall Length	mm	9789
		in	385.4
4	Reach with Forks at Ground Level	mm in	1124 44.2
_		mm	-88
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
_	Treads with 7 and 10/120/16/1 and 1 one Eever	in	66.0
7	Reach with Fork at Maximum Height	mm in	903 35.6
_		mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
_	Cround to Top of Time at Maximum Height and Tork Eever	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4816 189.6
		mm	1476
11	Clearance at Full Lift and Max Dump	in	58.1
12	Max Discharge Angle from Horizontal	deg	55
12	Wax Discharge Angle Iron Florizontal		
13	Overall Carriage Width	mm in	2528 99.5
		mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
10	Outside Title Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm	180.0
	Tille Width (Single tille)	in	7.1
	Tine Thickness	mm	90.0
			3.5
		in	
	Tine Capacity	kg	11300
	Tine Capacity Operating Weight		



*Negative values indicate below grade

→Payload (SAE J1197)

- -- Payload (CEN EN 474-3 Rough Terrain)

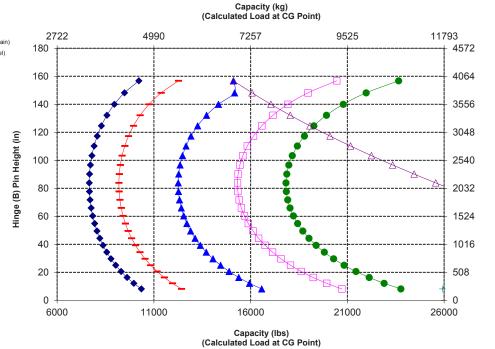
 → Payload (CEN EN 474-3 Firm & Level)
- Static Tipping Load Articulated
- Static Tipping Load Straight

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT 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



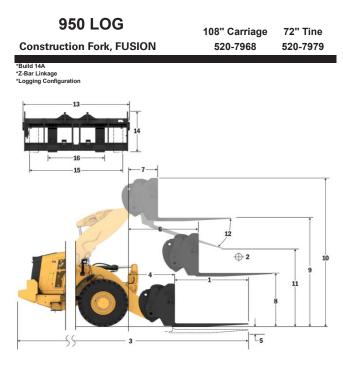
NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

Fork Specifications

Fork Specifications

1	Tine Length	mm in	1829 72.0
2	Land Contra	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8919
		lbs	19657
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	7681 16930
	D	kg	3841
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8465
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4609
	rtated Edad (OEIV EIV +7 + O Hough Terrain OO 70 T TOTE)	lbs	10158
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6145
		lbs	13544 9180
3	Maximum Overall Length	mm in	361.4
_		mm	1124
4	Reach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
5	"Ground to Bottom or Tine at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
	Trought Will 7 amo Florizonial and Forno Eovor	in	66.0
7	Reach with Fork at Maximum Height	mm	903
		in mm	35.6 1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
_	0 11 7 17 111 1 1111 15 11 1	mm	3776
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
10	Overall Fleight of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1972
	· · · · · · · · · · · · · · · · · · ·	in	77.6
12	Max Discharge Angle from Horizontal	deg	55
12	Overall Carriage Width	mm	2833
13	Overall Carriage viruli	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Title Width (Single title)	in	7.1
	Tine Thickness	mm	90.0
	1110 1110111000	in	3.5
	Tine Capacity	kg	14800
		lbs kg	32619 18724
	Operating Weight	lbs	41267
		INS	+1207



Hinge (B) Pin Height (mm)

*Negative values indicate below grade



- -- Payload (CEN EN 474-3 Rough Terrain)

 → Payload (CEN EN 474-3 Firm & Level)
- Static Tipping Load Articulated
- Static Tipping Load Straight
- → Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

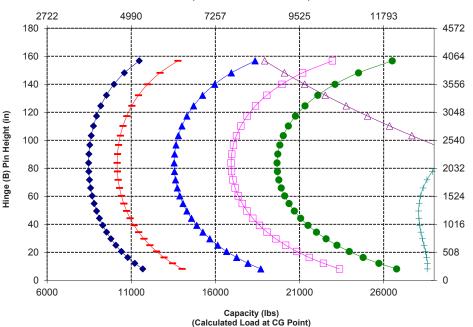
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

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Capacity (kg) (Calculated Load at CG Point)

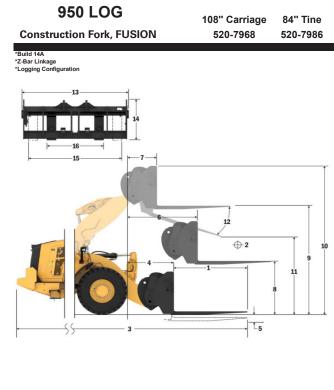


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

1	Tine Length	mm	2134
2	Load Center	in mm	84.0 1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8470
		lbs ka	18669 7286
	Static Tipping Load - Articulated (Forks Level)	lbs	16058
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3643
	Nated Load (SAL 31197 - 30 /61 131L)	lbs	8029
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4372
	<u> </u>	lbs ka	9635 5829
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12847
3	Maximum Overall Length	mm	9485
3	Maximum Overali Lengti	in	373.4
4	Reach with Forks at Ground Level	mm	1124
		in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-88 -3.5
_		mm	1675
6	Reach with Arms Horizontal and Forks Level	in	66.0
7	Reach with Fork at Maximum Height	mm	903
	Neach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	· · · · · · · · · · · · · · · · · · ·	in mm	72.7 3776
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
10	Overall Reight of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1723
	<u> </u>	in	67.8
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2833 111.5
	0 110 : 11:11	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
13	Odiside Tille Widti (Illax spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in mm	23.2 180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	12700
	Timo dapadity	lbs	27991
	Operating Weight	kg	18786
		lbs	41404
	*Negative values indicate below grade		



*Negative values indicate below grade



- -Payload (CEN EN 474-3 Rough Terrain) →Payload (CEN EN 474-3 - Firm & Level)
- -Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

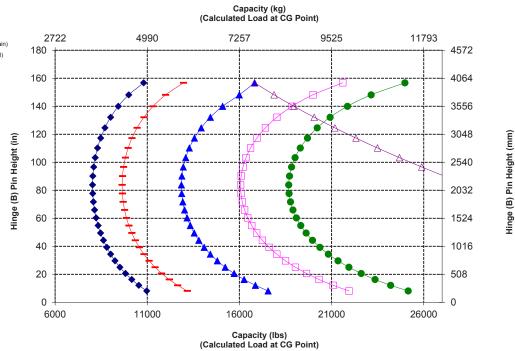
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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 CEN EN 474-3: 50% 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

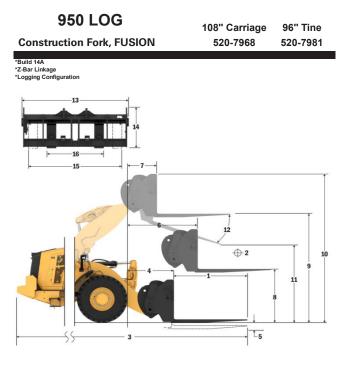


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork	Cnaa	ifica	tiono
FUIK	Spec	IIICa	แบบร

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8055
		lbs	17752
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	6918 15248
		kg	3459
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7624
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4151
	Nated Load (OLIV LIV 474-5 Rough Terrain - 00 /01 TOTE)	lbs	9149
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5535
		lbs	12198
3	Maximum Overall Length	mm in	9789 385.4
		mm	1124
4	Reach with Forks at Ground Level	in	44.2
	*One and to Dottom of Time of Minimum Height and Fool Lavel	mm	-88
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
	Troddin Many and Fronzental and Forto 2010	in	66.0
7	Reach with Fork at Maximum Height	mm	903
	<u> </u>	in mm	35.6 1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Occupated to Top of Tipp at Manifestory Height and Foot Lavel	mm	3776
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
	Overall Height of Fork at Fair Life (top of damage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1476
	· · · · · · · · · · · · · · · · · · ·	in	58.1
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2833
	•	in mm	111.5 1130
14	Overall Carriage Height	in	44.5
45	Outside Ties Width (seement)	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
-10	Odiside Tille Widti (Hill spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in mm	7.1 90.0
	Tine Thickness	in	3.5
	T O	kg	11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	18849
	Operating Weight	lbs	41543
	*Negative values indicate helevy grade		



Hinge (B) Pin Height (mm)

*Negative values indicate below grade



- -- Payload (CEN EN 474-3 Rough Terrain)

 → Payload (CEN EN 474-3 Firm & Level)
- Static Tipping Load Articulated
- Static Tipping Load Straight
- → Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

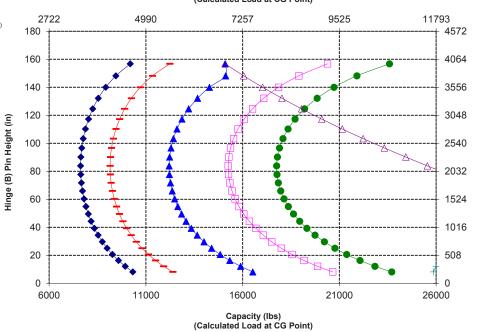
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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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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Capacity (kg) (Calculated Load at CG Point)

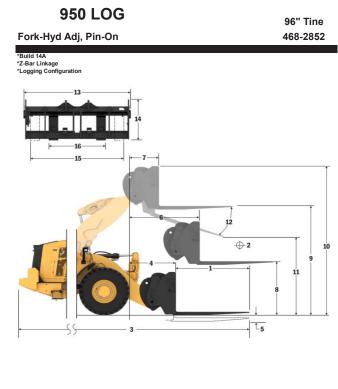


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	7783
		lbs kg	17153 6676
	Static Tipping Load - Articulated (Forks Level)	lbs	14714
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3338
	Nated Load (GAL 31197 - 30 /61 101L)	lbs	7357
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4006
		lbs kg	8829 5341
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	11771
3	Maximum Overall Length	mm	9896
	Maximum Overali Lengti	in	389.6
4	Reach with Forks at Ground Level	mm	1231
		in mm	48.5 -98
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1775
	Reach with Arms Horizontal and Forks Level	in	69.9
7	Reach with Fork at Maximum Height	mm	1003
		in	39.5 1837
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	72.3
9	Consider Top of Tipe of Manipular Height and Fody Lovel	mm	3765
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4834
		in	190.3
11	Clearance at Full Lift and Max Dump	mm in	1399 55.1
	M. Birthan A. L. Carrilla and A. L. Carrilla and A. L. Carrilla and A. Carrill		
12	Max Discharge Angle from Horizontal	deg	54
13	Overall Carriage Width	mm	2542
		in	100.1
14	Overall Carriage Height	mm in	1158 45.6
45	Outside Tire (Midth (consensed)	mm	2312
15	Outside Tine Width (max spread)	in	91.0
16	Outside Tine Width (min spread)	mm	896
	Catalac Fine Friday (Fine optical)	in	35.3 180.0
	Tine Width (single tine)	mm in	7.1
	Ti Thisless	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	10100
	Timo Supusity	lbs	22260
	Operating Weight	kg	18898
		lbs	41651
	*Nogotive values indicate below grade		



*Negative values indicate below grade

→Payload (SAE J1197)

- -Payload (CEN EN 474-3 Rough Terrain) →Payload (CEN EN 474-3 - Firm & Level)
- Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity +Hydraulic Lift Capacity

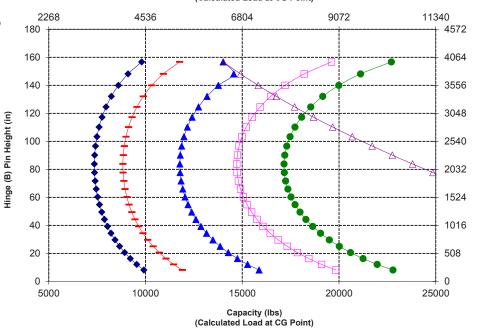
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Capacity (kg) (Calculated Load at CG Point)

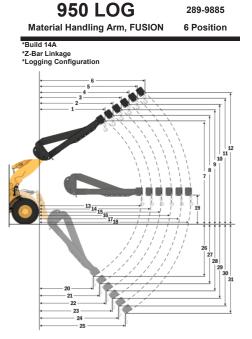


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

Fork Specifications

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
·	mm	2,103	2,234	2,365	2,495	2,626	2,757
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	6' 10"	7' 3"	7' 9"	8' 2"	8' 7"	9' 0"
	mm	6,854	7,129	7,405	7,680	7,955	8,231
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 2"	26' 1"	27' 0"
Level Healt Evalet Decet (40, 44, 45, 40, 47, 40)	mm	4,540	4,845	5,150	5,454	5,759	6,064
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	14' 10"	15' 10"	16' 10"	17' 10"	18' 10"	19' 10"
Level Heat Fredet Height (40)	mm	1,813	1,813	1,813	1,813	1,813	1,813
evel - Hook Eyelet Height (19)	ft, in	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"
Min 196 - Hardy Fred A Daniel (00, 04, 00, 00, 04, 05)	mm	1,315	1,407	1,499	1,591	1,683	1,774
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	4' 3"	4' 7"	4' 11"	5' 2"	5' 6"	5' 9"
Min 196 - Hardy Frederick Height (00, 07, 00, 00, 00, 04)	mm	(3,004)	(3,295)	(3,585)	(3,876)	(4,167)	(4,457)
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-9' 1"	-10' 2"	-11' 2"	-12' 3"	-13' 3"	-14' 4"
Otable Time in a Land Otablet	kg	5,965	5,636	5,341	5,074	4,832	4,611
Static Tipping Load, Straight	lb	13,147	12,422	11,771	11,183	10,650	10,163
Otable Time in a Land Additional tend	kg	5,181	4,895	4,637	4,405	4,194	4,001
Static Tipping Load, Articulated	lb	11,420	10,788	10,221	9,708	9,243	8,818
On south a Walant	kg	17,996	17,996	17,996	17,996	17,996	17,996
Operating Weight	lb	39,663	39,663	39,663	39,663	39,663	39,663





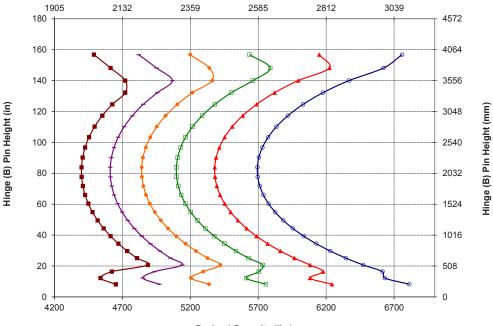
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Payload Capacity (kg) (Calculated Load at CG Point)





950 Steel Mill

The Cat[®] 950 Wheel Loader Steel Mill package is designed for the challenging work environment of steel mills and slag handling applications, incorporating an added level of safety.

Proven Reliability

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Features an electric fuel priming pump, fuel-water separator, and secondary filtration system.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Steel mill package adds additional steel guards all around the machine to protect your investment.
- Hydraulic hoses and electrical harnesses outside of the frame are insulated and wrapped with stainless steel braiding.
- Heavy-duty hinge pins with a cross hatch design and high temp bushings are purpose built.
- Heavy-duty steel cable lower steps stand up to the harshest of conditions.
- Heavy-duty axles are designed to handle extreme applications.

Achieve Greater Fuel Efficiency and Productivity

- Five-speed transmission and lock-up clutch torque converter, powertrains deliver smooth shifting, fast acceleration, and speed on grade for greater performance and fuel efficiency
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Deeply integrated engine, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.
- In-cab parking brake and transmission override controls provide an added level of machine protection for steel mill applications.

Safety Features

- Rear Vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional Surround Vision provides 360° visibility around the machine, enhancing an operator's situational awareness.
- Collision Mitigation System utilizes an integrated and intelligent sensor array to provide reverse collision warnings, detect people, inhibit motion, and enable automatic emergency braking.
- Cat Command remote control lets operators work safely from a distance.

- Ground level parking brake override and engine shutdown switches for emergency machine retrieval.
- Optional rear egress stairs allows for another point of machine exit.
- Cab access with wide door, optional remote door opening, and stair-like steps adds solid stability.
- Floor-to-ceiling windshield and large mirrors with integrated spot mirrors provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

- Extended fluid and filter change intervals help to reduce maintenance costs.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

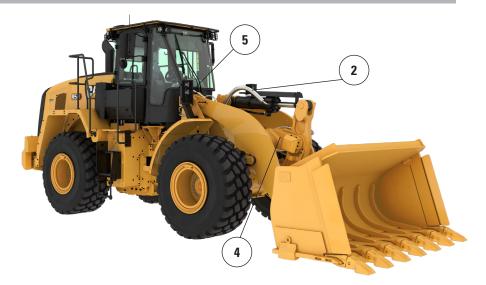
Work in Comfort in the All New Cab

- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The standard hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. An optional seat-mounted electro-hydraulic joystick steering system (replaces the HMU steering wheel) is also available in many regions.

950 Steel Mill Specifications

950 Steel Mill Features

- Hydraulic hoses and electrical harness are wrapped with a thermal sleeve
- 2. Hoses and harnesses outside of the frame have an additional stainless-steel sleeve applied
- Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
- 4. Heavy-duty hinge pins with a cross hatch design and high temp bushings are purpose built
- 5. Front lights are guarded and positioned close to the frame for added protection





- 6. Ground-level parking brake override and engine shutdown switches
- 7. Optional rear egress with fire suppression lefthand mounting point available
- 8. Steel roof cap and steel mirrors integrated into the cab
- In-cab parking brake and transmission override controls
- 10. In-cab secondary engine start
- 11. Non-bonded flat front cab glass allows for easy replacement
- 12. Eco-Safe FR46 hydraulic fluid available from the factory
- 13. Heavy-duty steel cable steps

950 Steel Mill Specifications

Tire Options

Tire Brand	BRIDGESTONE	MICHELIN	MICHELIN	BRIDGESTONE	BRIDGESTONE	GOODYEAR
Tire Size	23.5R25	23.5R25	23.5R25	23.5R25	23.5-25	23.5R25
Tread Type	L-3	L-3	L-5	L-5	L-3	L-3
Tread Pattern	VJT	XHA2	XLD D2	VSDL	VL2	GP-3E
Casing Strength	*	*	*	*	20PR	**
Width over Tires – Maximum (empty)*	2800 mm	2816 mm	2819 mm	2787 mm	2770 mm	2140 mm
	9'3"	9'3"	9'4"	9'2"	9'2"	7'1"
Width over Tires – Maximum (loaded)*	2824 mm	2828 mm	2834 mm	2804 mm	2790 mm	2140 mm
	9'4"	9'4"	9'4"	9'3"	9'2"	7'1"
Change in Vertical Dimensions	-	10 mm	40 mm	65 mm	19 mm	25 mm
(average of front and rear)	-	0.4"	1.6"	2.6"	0.8"	1.0"
Change in Horizontal Reach	-	-6 mm	-31 mm	-36 mm	-4 mm	-3 mm
	-	-0.2"	-1.2"	-1.4"	-0.1"	-0.1"
Change in Clearance Circle to Outside of Tires	-	4 mm	11 mm	-20 mm	-34 mm	-684 mm
	-	0.2"	0.4"	-0.8"	-1.3"	-26.9"
Change in Clearance Circle to Inside of Tires	-	-4 mm	-11 mm	20 mm	34 mm	684 mm
	-	-0.2"	-0.4"	0.8"	1.3"	26.9"
Change in Operating Weight (without ballast)	-	-156 kg	500 kg	700 kg	-268 kg	-64 kg
	-	-344 lb	1,103 lb	1,544 lb	-591 lb	-141 lb
Change in Static Tipping Load – Straight	-	-104 kg	333 kg	466 kg	-178 kg	-43 kg
	-	-229 lb	733 lb	1,026 lb	-393 lb	-94 lb
Change in Static Tipping Load – Articulated	-	-90 kg	290 kg	406 kg	-155 kg	-36 kg
		-200 lb	639 lb	895 lb	-343 lb	-78 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±8 degrees	±8 degrees	±13 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	481 mm	481 mm	298 mm	298 mm	481 mm	481 mm
	1'7"	1'7"	1'0"	1'0"	1'7"	1'7"

^{*}Width over tire bulge and includes tire growth.

950 Steel Mill Specifications

Tire Options

Tire Brand	FIRESTONE	MAXAM	MAXAM	TRIANGLE	TRIANGLE
Tire Size	23.5-25	23.5R25	23.5R25	23.5-25	23.5R25
Tread Type	L-5	L-3	L-5	L-3	L-3
Tread Pattern	SDT LD	MS302	MS503	TL612	TB516
Casing Strength	20PR	**	**	16PR	**
Width over Tires – Maximum (empty)*	2776 mm	2820 mm	2780 mm	2781 mm	2785 mm
	9'2"	9'4"	9'2"	9'2"	9'2"
Width over Tires – Maximum (loaded)*	2799 mm	2828 mm	2803 mm	2809 mm	2799 mm
	9'3"	9'4"	9'3"	9'3"	9'3"
Change in Vertical Dimensions	62 mm	14 mm	58 mm	1 mm	43 mm
(average of front and rear)	2.4"	0.5"	2.3"	0"	1.7"
Change in Horizontal Reach	-44 mm	-15 mm	-33 mm	-8 mm	-13 mm
	-1.7"	-0.6"	-1.3"	-0.3"	-0.5"
Change in Clearance Circle to Outside of Tires	-24 mm	4 mm	-21 mm	-15 mm	-25 mm
	-1.0"	0.2"	-0.8"	-0.6"	-1.0"
Change in Clearance Circle to Inside of Tires	24 mm	-4 mm	21 mm	15 mm	25 mm
	1.0"	-0.2"	0.8"	0.6"	1.0"
Change in Operating Weight (without ballast)	500 kg	0 kg	472 kg	-548 kg	-452 kg
	1,103 lb	0 lb	1,041 lb	-1,208 lb	-997 lb
Change in Static Tipping Load – Straight	333 kg	0 kg	314 kg	-366 kg	-302 kg
	733 lb	0 lb	692 lb	-806 lb	-665 lb
Change in Static Tipping Load – Articulated	290 kg	0 kg	274 kg	-319 kg	-263 kg
	639 lb	0 lb	604 lb	-703 lb	-580 lb
Rear Axle Oscillation Angle	±8 degrees	±13 degrees	±8 degrees	±13 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	298 mm	481 mm	298 mm	481 mm	481 mm
	1'0"	1'7"	1'0"	1'7"	1'7"

^{*}Width over tire bulge and includes tire growth.

Tire Brand	BRAWLER	BRAWLER
Tire Size	23.5X25	23.5X25
Tread Type		
Tread Pattern	Smooth	Traction
Casing Strength	Solid	Solid
Width over Tires – Maximum (empty)*	2140 mm	2140 mm
	7'1"	7'1"
Width over Tires – Maximum (loaded)*	2140 mm	2140 mm
	7'1"	7'1"
Change in Vertical Dimensions	65 mm	65 mm
(average of front and rear)	2.5"	2.5"
Change in Horizontal Reach	-15 mm	-15 mm
	-0.6"	-0.6"
Change in Clearance Circle to Outside of Tires	-684 mm	-684 mm
	-26.9"	-26.9"
Change in Clearance Circle to Inside of Tires	684 mm	684 mm
	26.9"	26.9"
Change in Operating Weight (without ballast)	3208 kg	3064 kg
	7,074 lb	6,756 lb
Change in Static Tipping Load – Straight	2140 kg	2044 kg
	4,718 lb	4,507 lb
Change in Static Tipping Load – Articulated	1866 kg	1782 kg
	4,114 lb	3,929 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees
Maximum Single-Wheel Rise and Fall	298 mm	298 mm
	1'0"	1'0"

 $[\]mbox{\ensuremath{\mbox{\sc *}}}\mbox{\sc Width over tire bulge}$ and includes tire growth.

Operating Specifications – Buckets

Linkage		Standard Linkage			
Bucket Type		Slag — Pin-On			
Edge Type		Teeth and Segments			
Capacity – Rated	m ³	2.90			
	yd³	3.75			
Capacity – Rated at 110% Fill Factor	m^3	3.10			
	yd³	4.00			
Width	mm	2845			
	ft/in	9'4"			
16† Dump Clearance at Maximum Lift	mm	2757			
and 45° Discharge	ft/in	9'0"			
17† Reach at Maximum Lift and	mm	1500			
45° Discharge	ft/in	4'11"			
Reach at Level Lift Arm and	mm	2802			
Bucket Level	ft/in	9'2"			
A† Digging Depth	mm	100			
	in	3.9"			
12† Overall Length	mm	8447			
	ft/in	27'9"			
B† Overall Height with Bucket at	mm	5491			
Maximum Lift	ft/in	18'1"			
Loader Clearance Circle Radius	mm	6712			
with Bucket at Carry Position	ft/in	22'1"			
Static Tipping Load, Straight	kg	10 881			
(With tire deflection)	lb	23,989			
Static Tipping Load, Straight	kg	11 620			
(No tire deflection)	lb	25,619			
Static Tipping Load,	kg	9150			
Articulated (With tire deflection)	lb	20,172			
Static Tipping Load, Articulated	kg	9894			
(No tire deflection)	lb	21,813			
Breakout Force(§)	kN	151			
	lbf	34,002			
Operating Weight*	kg	20 699			
	lb	45,632			

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable nitch fan

[†] 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.



950 Tunneling

The Cat® 950 Wheel Loader Tunneling package provides added performance and protection for working in tunnels.

Proven Reliability

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Features an electric fuel priming pump, fuel-water separator, and secondary filtration system.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Handrails are designed with low clearance in mind.
- Fabricated counterweight with robust rear grill guard provides added protection at the rear of the machine.
- The front light brackets are designed close to the frame for added protection.
- Tunneling package includes a steel roof cap and service center guards for increased durability.
- Heavy-duty axles are designed to handle extreme applications.

Achieve Greater Fuel Efficiency and Productivity

- Tunneling package includes a larger tilt cylinder for increased tilt capacity.
- Optional 3rd and 4th valve auxiliary hydraulics to control work tools such as side dump buckets.
- Five-speed transmission and lock-up clutch torque converter, powertrains deliver smooth shifting, fast acceleration, and speed on grade for greater performance and fuel efficiency.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Deeply integrated engine, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Rear Vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional Surround Vision provides 360° visibility around the machine, enhancing an operator's situational awareness.

- Collision Mitigation System utilizes an integrated and intelligent sensor array to provide reverse collision warnings, detect people, inhibit motion, and enable automatic emergency braking.
- Cat Command remote control lets operators work safely from a distance.
- · High powered LED lights help to provide great visibility.
- Cab access with wide door, optional remote door opening, and stair-like steps adds solid stability.
- Floor-to-ceiling windshield and large mirrors with integrated spot mirrors provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

- Extended fluid and filter change intervals help to reduce maintenance costs.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

Work in Comfort in the All New Cab

- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The standard hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. An optional seat-mounted electro-hydraulic joystick steering system (replaces the HMU steering wheel) is also available in many regions.

950 Tunneling Specifications

950 Tunneling Features

- 1. Larger tilt cylinder for increased capacity
- 2. Tilt cylinder guard to protect the cylinder rod from falling debris
- 3. Low clearance handrails
- 4. Service center guards
- 5. Heavy-duty light brackets mounted close to the frame
- 6. 3rd/4th valve auxiliary hydraulics
- 7. Optional advanced cabin filtration





- 8. Fabricated counterweight
- 9. Heavy-duty rear guard
- 10. Steel roof cap
- 11. Large range of Cat work tools

950 Tunneling Specifications

Tire Options

Tire Brand	BRIDGESTONE	BRIDGESTONE	GOODYEAR
Tire Size	23.5R25	23.5R25	23.5R25
Tread Type	L-3	L-5	L-3
Tread Pattern	VJT	VSDL	GP-3E
Casing Strength	*	*	**
Width over Tires – Maximum (empty)*	2800 mm 9'3"	2787 mm 9'2"	2140 mm 7'1"
Width over Tires – Maximum (loaded)*	2824 mm 9'4"	2804 mm 9'3"	2140 mm 7'1"
Change in Vertical Dimensions	-	65 mm	25 mm
(average of front and rear)	-	2.6"	1.0"
Change in Horizontal Reach	-	-36 mm	-3 mm
	-	-1.4"	-0.1"
Change in Clearance Circle to Outside of Tires	-	-20 mm	-684 mm
	-	-0.8"	-26.9"
Change in Clearance Circle to Inside of Tires	-	20 mm	684 mm
	-	0.8"	26.9"
Change in Operating Weight (without ballast)	-	700 kg	-64 kg
	-	1,544 lb	-141 lb
Change in Static Tipping Load – Straight	-	466 kg	-43 kg
- 11	-	1,026 lb	-94 lb
Change in Static Tipping Load – Articulated	-	406 kg	-36 kg
	-	895 lb	-78 lb
Rear Axle Oscillation Angle	±13 degrees	±8 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	481 mm	298 mm	481 mm
	1'7"	1'0"	1'7"

^{*}Width over tire bulge and includes tire growth.

950 Tunneling Specifications

Operating Specifications – Buckets

Linkage			Standard Linkage	
Bucket Type			Side Dump – Pin-On – Abrasion	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m^3	2.50	2.50	2.30
	yd³	3.25	3.25	3.00
Capacity - Rated at 110% Fill Factor	m^3	2.80	2.80	2.50
	yd³	3.75	3.75	3.25
Width	mm	3065	3166	3166
	ft/in	10'0"	10'4"	10'4"
16† Dump Clearance at Maximum Lift	mm	2666	2508	2508
and 45° Discharge	ft/in	8'8"	8'2"	8'2"
17† Reach at Maximum Lift and	mm	1344	1447	1447
45° Discharge	ft/in	4'4"	4'8"	4'8"
Reach at Level Lift Arm and	mm	2791	2975	2975
Bucket Level	ft/in	9'1"	9'9"	9'9"
A† Digging Depth	mm	106	106	71
	in	4.2"	4.2"	2.8"
12† Overall Length	mm	8444	8659	8659
	ft/in	27'9"	28'5"	28'5"
B † Overall Height with Bucket at	mm	5723	5723	5723
Maximum Lift	ft/in	18'10"	18'10"	18'10"
Loader Clearance Circle Radius	mm	6788	6900	6900
with Bucket at Carry Position	ft/in	22'4"	22'8"	22'8"
Static Tipping Load, Straight	kg	11 907	11 681	11 980
(With tire deflection)	lb	26,250	25,753	26,412
Static Tipping Load, Straight	kg	12 676	12 447	12 759
(No tire deflection)	lb	27,946	27,442	28,130
Static Tipping Load,	kg	10 060	9834	10 117
Articulated (With tire deflection)	lb	22,179	21,682	22,304
Static Tipping Load, Articulated	kg	10 841	10 613	10 907
(No tire deflection)	lb	23,902	23,397	24,047
Breakout Force(§)	kN	128	126	135
(6)	lbf	28,819	28,392	30,432
Operating Weight*	kg	20 256	20 433	20 283
Operating weight	lb	44,656	45,047	44,716

^{*} Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, tunneling rear guard counterweight, ride control, cold start, tunneling fenders, Product Link, manual diff lock/open axles (front/rear), powertrain guard, secondary steering and sound suppression.

[†] 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.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.



950 *Corrosion Resistant*

The Cat® 950 Wheel Loader Corrosion Resistant package adds real value in protecting your machine investment. An industry-unique factory treatment provides more protection for all machine components that can be affected by corrosive materials. It's designed for improving reliability and durability in demanding corrosive environments such as fertilizer plants, chemical industries, agriculture, saltwater ports, and others.

Proven Reliability

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Corrosion resistant package includes silicon protection applied to all electrical terminals: alternator, engine starter, engine ground cable, and battery cables to maximize component life.
- Exposed electrical connectors are treated with shrinkable heat tube.
- Heavy-duty brushless alternator is utilized for increased durability.
- Optional paint protection that is more than two times the thickness of the standard paint. Extra primer coats are applied before the final polyurethane topcoat.

Achieve Greater Fuel Efficiency and Productivity

- Five-speed transmission and lock-up clutch torque converter, powertrains deliver smooth shifting, fast acceleration, and speed on grade for greater performance and fuel efficiency.
- Deeply integrated engine, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Rear Vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional Surround Vision provides 360° visibility around the machine, enhancing an operator's situational awareness.
- Collision Mitigation System utilizes an integrated and intelligent sensor array to provide reverse collision warnings, detect people, inhibit motion, and enable automatic emergency braking.
- Cat Command remote control lets operators work safely from a distance.

- Cab access with wide door, optional remote door opening, and stair-like steps adds solid stability.
- Floor-to-ceiling windshield and large mirrors with integrated spot mirrors provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

- Extended fluid and filter change intervals help to reduce maintenance costs.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

Work in Comfort in the All New Cab

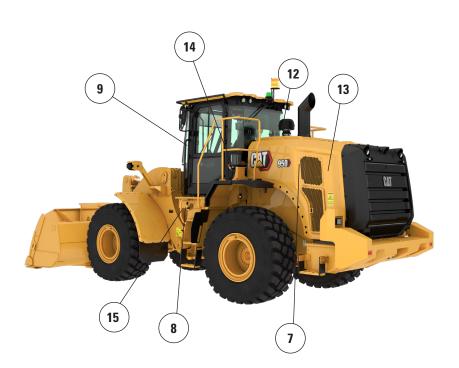
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The standard hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. An optional seat-mounted electro-hydraulic joystick steering system (replaces the HMU steering wheel) is also available in many regions.

950 Corrosion Resistant Specifications

950 Corrosion Resistant Features

- Silicon protection applied to all electric terminals
- 2. Shrinkable heat-tube on exposed electrical connectors
- 3. Zerust vapor capsules in electrical compartments
- 4. Grease points on hood articulation pins
- Optional corrosion resistant cooling package: E-coated cooling cores, heavy-duty latch, and greaseable hinges
- Optional hydraulic system protection that includes silicone sealant and heat shrinkable tubing over the couplings





- 7. Heavy-duty brushless alternator
- 8. Sealed disconnect switch
- 9. Grease points on the cab door hinges
- 10. Additional coats of paint. Extra primer coats are applied before the final polyurethane topcoat
- 11. Varnish protection applied to under hood components
- 12. Optional turbine precleaner
- 13. Optional variable pitch fan
- 14. Optional autolube system
- 15. Anti-corrosion transmission fill cover





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.

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[excluding Chile and
Colombia], SE Asia,
Aus-NZ, Indonesia)

