

# 950 Wheel Loader

# **Technical Specifications**

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

#### **Table of Contents**

Specifications	
Engine – U.S. EPA Tier 4 Final/EU Stage V	Service Refill Capacities
Operating Specifications	Brakes
Buckets	Axles
Weight2	Cab3
Engine – U.S. EPA Tier 3 Equivalent/EU Stage IIIA Equivalent	Dimensions
Transmission	Tire Options5
Air Conditioning System	Bucket Fill Factors and Selection Guide7
Hydraulic System3	Operating Specifications – Buckets
Sound	Fork/Material Handling Arm Specifications
Standard and Optional Equipment	67
950 Environmental Declaration	69
950 Waste & Scrap Handler Configuration	70
Key Features and Benefits.70Tire Options.72	Operating Specifications – Buckets
950 Forestry Machine Configuration	85
Key Features and Benefits85	Fork Specifications
Tire Options	Material Handling Specifications
Operating Specifications – Buckets	
950 Corrosion Resistant Configuration	
Koy Foatures and Reposite 121	



Engine – U.S. EPA Tier 4 Final	/EU Stage \	<b>V</b>
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 (metr	ric)
Gross Power @ 2,100 rpm	188 kW	253 hp
SAE J1995:2014	257 hp (metr	ric)
Net Power @ 2,100 rpm	172 kW	231 hp
ISO 9249:2007, SAE J1349:2011	235 hp (metr	ric)
Engine Torque (1,300 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).

## 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	Stage IIIA.				
Engine Power @ 2,100 rpm	186 kW	249 hp			
ISO 14396:2002	253 hp (met	ric)			
Gross Power @ 2,100 rpm	191 kW	256 hp			
SAE J1995:2014	260 hp (metric)				
Net Power @ 2,100 rpm	172 kW	231 hp			
ISO 9249:2007, SAE J1349:2011	235 hp (met	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	11 201 kg	24,694 lb
No Tire Deflection	11 961 kg	26,369 lb
Breakout Force	181 kN	40,690 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 <sup>3</sup>	3.3-13.0 yd <sup>3</sup>

Weight			
Operating Weight	19 260 kg	42,461 lb	_

Weight based on a machine configuration with parallel lift Z-bar linkage, Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link<sup>TM</sup>, 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).

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	lacement			
	Piston, Load				
Implement System:					
Maximum Pump Output (2,340 rpm)	322 L/min	85 gal/min			
Maximum Operating Pressure	29 300 kPa	4,250 psi			
Optional 3 <sup>rd</sup> Function Maximum Flow	240 L/min	63 gal/min			
at Work Tool					
Optional 3 <sup>rd</sup> Function	20 684 kPa	3,000 psi			
Maximum Pressure at Work Tool					
Optional 4 <sup>th</sup> Function Maximum Flow	240 L/min	63 gal/min			
at Work Tool					
Optional 4 <sup>th</sup> Function	20 684 kPa	3,000 psi			
Maximum Pressure at Work Tool					
Hydraulic Cycle Time with Rated Payload	d:				
Raise from Carry Position	5.1 sec				
Dump at Maximum Raise	1.5 sec				
Lower, Empty, Float Down	2.5 sec				
Total	9.1 sec				

Sound	
Operator Sound Pressure Level (ISO 6396:2008)	70 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)

<sup>\*</sup>Including countries that adopt the EU and UK directives.

<sup>\*\*</sup>European Union Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701.

Service Refill C	Capacities			
Fuel Tank		259.5 L	68.6 gal	
Diesel Exhaust Fluid (Tier 4 only)	(DEF) Tank	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 Fina	l Drives – Front	43 L	11.4 gal	
Differentials and Fina	l Drives – Rear	43 L	11.4 gal	
Hydraulic Tank	97 L 25.6 gal			
Brakes				
Brakes	Brakes meet ISO	O 3450:2011 s	standards	
Axles				
Front	Fixed			
Rear	Oscillating ±13 degrees			
Cab				
Rollover Protective	ROPS/FOPS me	eet ISO 3471:	2008 and	

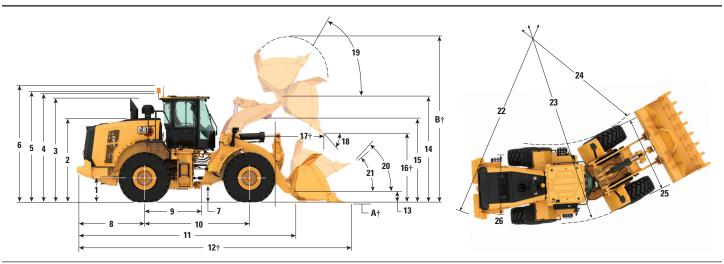
Rollover Protective

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 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	11'2"
4	Height to Top of ROPS	3456 mm	11'4"	3456 mm	11'4"
5	Height to Top of Product Link Antenna	3463 mm	11'4"	3463 mm	11'4"
6	Height to Top of Warning Beacon	3736 mm	12'3"	3735 mm	12'3"
7	Ground Clearance	354 mm	1'1"	354 mm	1'1"
8	Centerline of Rear Axle to Edge of Counterweight	2063 mm	6'9"	2077 mm	6'9"
9	Centerline of Rear Axle to Hitch	1675 mm	5'5"	1675 mm	5'5"
10	Wheelbase	3350 mm	10'11"	3350 mm	10'11"
11	Overall Length (without bucket)	7024 mm	23'1"	7490 mm	24'7"
12	Shipping Length (with bucket level on ground)*†	8314 mm	27'4"	8795 mm	28'11"
13	Hinge Pin Height at Carry Height	623 mm	2'0"	775 mm	2'6"
14	Hinge Pin Height at Maximum Lift	4009 mm	13'1"	4514 mm	14'9"
15	Lift Arm Clearance at Maximum Lift	3255 mm	10'8"	3615 mm	11'10"
16	Dump Clearance at Maximum Lift and 45° Discharge*†	2864 mm	9'4"	3370 mm	11'0"
17	Reach at Maximum Lift and 45° Discharge*†	1436 mm	4'8"	1471 mm	4'9"
18	Dump Angle at Maximum Lift and Dump (on stops)*	51 deg	rees	48 deg	rees
19	Rack Back at Maximum Lift*	59 deg	rees	56 degrees	
20	Rack Back at Carry Height*	49 deg	rees	49 deg	rees
21	Rack Back at Ground*	39 deg	rees	43 degrees	
22	Clearance Circle (dia) to Counterweight	12 050 mm	39'7"	12 044 mm	39'7"
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.

<sup>•</sup>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).

<sup>†</sup>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"

<sup>\*</sup>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"

<sup>\*</sup>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"

<sup>\*</sup>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"

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

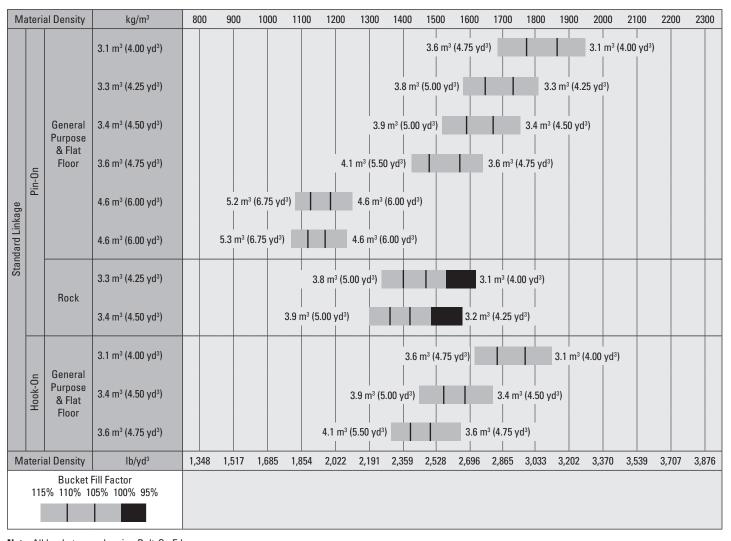
#### **Bucket Fill Factors and Selection Guide**

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 (%)*	<b>Material Density</b>
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

<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

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



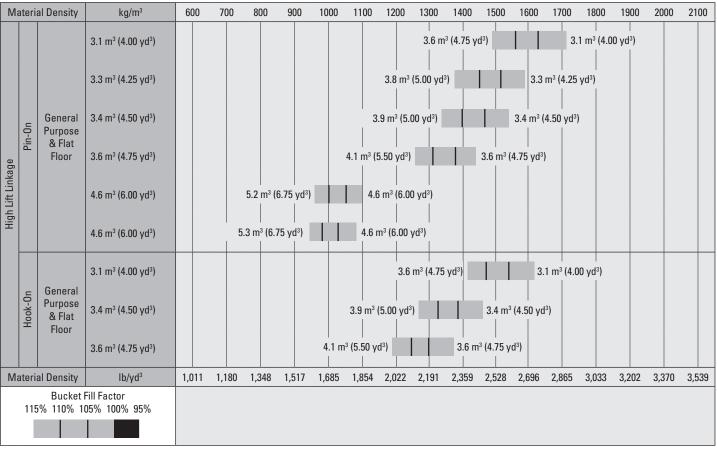
#### **Bucket Fill Factors and Selection Guide**

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 (%)*	<b>Material Density</b>
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

<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

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



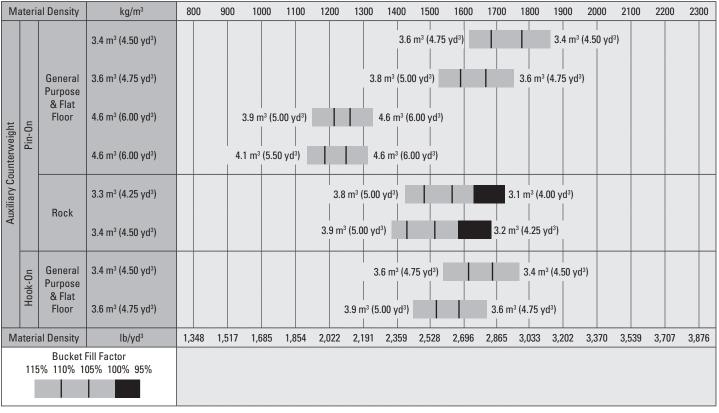
#### **Bucket Fill Factors and Selection Guide**

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

<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

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



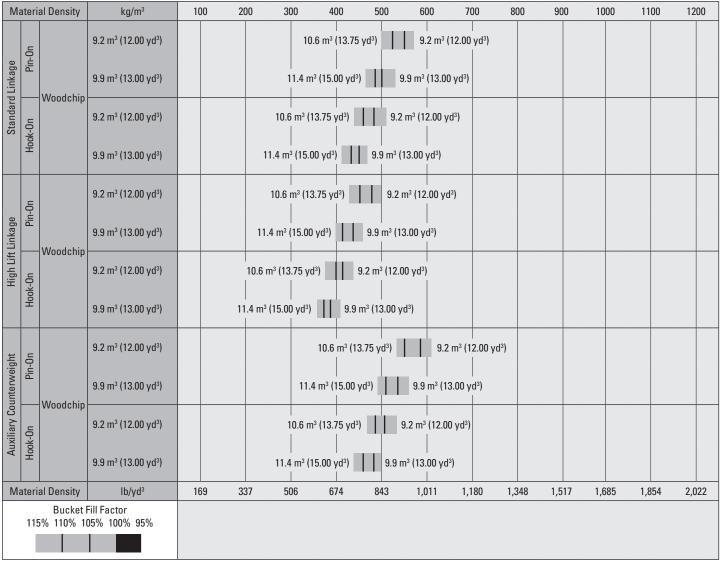
#### **Bucket Fill Factors and Selection Guide**

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

<sup>\*</sup>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-C	)n		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments						
Capacity – Rated	m <sup>3</sup>	3.10	3.10	3.30	3.30	3.40	3.40	3.60	3.60
	$yd^3$	4.00	4.00	4.25	4.25	4.50	4.50	4.75	4.75
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.60	3.60	3.70	3.70	4.00	4.00
	$yd^3$	4.50	4.50	4.75	4.75	4.75	4.75	5.25	5.25
Width	mm	2927	2994	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2864	2746	2826	2707	2807	2688	2781	2661
and 45° Discharge	ft/in	9'4"	9'0"	9'3"	8'10"	9'2"	8'9"	9'1"	8'8"
17† Reach at Maximum Lift and	mm	1435	1546	1464	1574	1479	1588	1501	1610
45° Discharge	ft/in	4'8"	5'0"	4'9"	5'1"	4'10"	5'2"	4'11"	5'3"
Reach at Level Lift Arm and	mm	2694	2855	2743	2904	2767	2928	2802	2963
Bucket Level	ft/in	8'10"	9'4"	9'0"	9'6"	9'0"	9'7"	9'2"	9'8"
A† Digging Depth	mm	102	102	102	102	102	102	102	102
	in	4"	4"	4"	4"	4"	4"	4"	4"
12† Overall Length	mm	8314	8487	8363	8536	8387	8560	8422	8595
	ft/in	27'4"	27'11"	27'6"	28'1"	27'7"	28'1"	27'8"	28'3"
<b>B</b> † Overall Height with Bucket at	mm	5513	5513	5559	5559	5585	5585	5618	5618
Maximum Lift	ft/in	18' 2"	18' 2"	18'3"	18'3"	18'4"	18'4"	18'6"	18'6"
Loader Clearance Circle Radius	mm	6735	6821	6750	6836	6757	6844	6768	6854
with Bucket at Carry Position	ft/in	22'2"	22'5"	22'2"	22'6"	22'3"	22'6"	22'3"	22'6"
Static Tipping Load, Straight	kg	12 991	12 850	12 869	12 728	12 826	12 684	12 755	12 612
(With tire deflection)	lb	28,640	28,330	28,372	28,060	28,276	27,963	28,120	27,805
Static Tipping Load, Straight	kg	13 743	13 601	13 624	13 481	13 581	13 438	13 512	13 368
(No tire deflection)	lb	30,300	29,986	30,036	29,720	29,943	29,626	29,790	29,471
Static Tipping Load,	kg	11 200	11 059	11 084	10 942	11 042	10 900	10 975	10 832
Articulated (With tire deflection)	lb	24,693	24,383	24,436	24,124	24,344	24,031	24,195	23,881
Static Tipping Load, Articulated	kg	11 960	11 818	11 846	11 702	11 805	11 661	11 739	11 595
(No tire deflection)	lb	26,368	26,054	26,116	25,800	26,026	25,709	25,881	25,563
Breakout Force(§)	kN	181	179	173	172	170	169	165	164
	lbf	40,689	40,400	39,063	38,777	38,316	38,030	37,271	36,987
Operating Weight*	kg	19 261	19 369	19 330	19 438	19 354	19 462	19 390	19 498
	lb	42,462	42,700	42,615	42,853	42,668	42,906	42,748	42,986

<sup>\*</sup>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<sup>TM</sup>, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

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

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

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

#### **Operating Specifications – Buckets (continued)**

Linkage	Standard Linkage						
Bucket Type			Ge	neral Purpose – H	look-On – Fusi	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	3.40	3.40	3.60	3.60
	$yd^3$	4.00	4.00	4.50	4.50	4.75	4.75
Capacity – Rated at 110% Fill Factor	$m^3$	3.40	3.40	3.70	3.70	4.00	4.00
	$yd^3$	4.50	4.50	4.75	4.75	5.25	5.25
Width	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2825	2706	2767	2648	2741	2621
and 45° Discharge	ft/in	9'3"	8'10"	9'0"	8'8"	8'11"	8'7"
17† Reach at Maximum Lift and	mm	1481	1591	1524	1633	1545	1654
45° Discharge	ft/in	4'10"	5'2"	5'0"	5'4"	5'0"	5'5"
Reach at Level Lift Arm and	mm	2754	2915	2827	2988	2862	3023
Bucket Level	ft/in	9'0"	9'6"	9'3"	9'9"	9'4"	9'11"
A† Digging Depth	mm	102	102	102	102	102	102
	in	4"	4"	4"	4"	4"	4"
12† Overall Length	mm	8374	8547	8447	8620	8482	8655
	ft/in	27'6"	28'1"	27'9"	28'4"	27'10"	28'5"
<b>B</b> † Overall Height with Bucket at	mm	5546	5546	5618	5618	5652	5652
Maximum Lift	ft/in	18'3"	18'3"	18'6"	18'6"	18'7"	18'7"
Loader Clearance Circle Radius	mm	6749	6836	6772	6859	6783	6870
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'3"	22'7"	22'4"	22'7"
Static Tipping Load, Straight	kg	12 402	12 262	12 268	12 127	12 202	12 060
(With tire deflection)	lb	27,342	27,033	27,048	26,736	26,902	26,589
Static Tipping Load, Straight	kg	13 143	13 001	13 013	12 870	12 949	12 805
(No tire deflection)	lb	28,976	28,663	28,689	28,373	28,547	28,230
Static Tipping Load,	kg	10 638	10 498	10 511	10 370	10 449	10 307
Articulated (With tire deflection)	lb	23,454	23,144	23,174	22,862	23,036	22,723
Static Tipping Load, Articulated	kg	11 387	11 245	11 263	11 120	11 203	11 059
(No tire deflection)	lb	25,105	24,792	24,832	24,517	24,698	24,381
Breakout Force(§)	kN	172	171	162	161	158	157
	lbf	38,737	38,451	36,582	36,299	35,623	35,340
Operating Weight*	kg	19 730	19 838	19 800	19 908	19 834	19 942
	lb	43,498	43,736	43,652	43,890	43,727	43,965

<sup>\*</sup> 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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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				S	tandard Linkaç	je		
Bucket Type				Flat Floo	r – Pin-On			Flat Floor - Pin-On – Light Material
		Bolt-On Cutting	Teeth and	Bolt-On Cutting	Teeth and	Bolt-On Cutting	Teeth and	Bolt-On Cutting
Edge Type		Edges	Segments	Edges	Segments	Edges	Segments	Edges
Capacity – Rated	m <sup>3</sup>	3.30	3.30	3.40	3.40	3.60	3.60	4.60
	yd <sup>3</sup>	4.25	4.25	4.50	4.50	4.75	4.75	6.00
Capacity – Rated at 110% Fill Factor	$m^3$	3.60	3.60	3.70	3.70	4.00	4.00	5.00
	yd³	4.75	4.75	4.75	4.75	5.25	5.25	6.50
Width	mm	2927	2994	2927	2994	2927	2994	3338
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"	10'11"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2777	2652	2749	2624	2717	2592	2622
and 45° Discharge	ft/in	9'1"	8'8"	9'0"	8'7"	8'11"	8'6"	8'7"
17† Reach at Maximum Lift and	mm	1384	1486	1412	1514	1444	1546	1553
45° Discharge	ft/in	4'6"	4'10"	4'7"	4'11"	4'8"	5'0"	5'1"
Reach at Level Lift Arm and	mm	2737	2898	2777	2938	2822	2983	2967
Bucket Level	ft/in	8'11"	9'6"	9'1"	9'7"	9'3"	9'9"	9'8"
A† Digging Depth	mm	102	102	102	102	102	102	92
. 30 0 1	in	4"	4"	4"	4"	4"	4"	3.6"
12† Overall Length	mm	8357	8530	8397	8570	8442	8615	8580
22/	ft/in	27'6"	28'0"	27'7"	28'2"	27'9"	28'4"	28'2"
<b>B</b> † Overall Height with Bucket at	mm	5515	5515	5554	5554	5602	5602	5502
Maximum Lift	ft/in	18'2"	18'2"	18'3"	18'3"	18'5"	18'5"	18'1"
Loader Clearance Circle Radius	mm	6748	6834	6760	6847	6774	6861	6999
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'3"	22'6"	22'3"	22'7"	23'0"
Static Tipping Load, Straight	kg	12 751	12 611	12 672	12 531	12 584	12 442	12 269
(With tire deflection)	lb	28,112	27,803	27,938	27,627	27,743	27,431	27,048
Static Tipping Load, Straight		13 486	13 344	13 408	13 266	13 322	13 179	12 988
(No tire deflection)	kg							
	<u>lb</u>	29,732	29,420	29,561	29,247	29,371	29,055	28,635
Static Tipping Load,	kg	10 984	10 844	10 909	10 768	10 825	10 684	10 542
Articulated (With tire deflection)	lb	24,217	23,908	24,051	23,741	23,866	23,554	23,242
Static Tipping Load, Articulated	kg	11 727	11 585	11 653	11 511	11 572	11 428	11 271
(No tire deflection)	lb	25,854	25,542	25,692	25,378	25,511	25,196	24,848
Breakout Force(§)	kN	174	173	169	167	163	162	147
	lbf	39,241	38,955	38,002	37,717	36,690	36,407	33,132
Operating Weight*	kg	19 316	19 424	19 356	19 464	19 400	19 508	19 480
	lb	42,584	42,822	42,672	42,910	42,769	43,007	42,945

<sup>\*</sup> 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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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 Flat Floor – Hook-On – Fusion						
Bucket Type								
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			
	yd³	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	2707	2581	2675	2549			
and 45° Discharge	ft/in	8'10"	8'5"	8'9"	8'4"			
17† Reach at Maximum Lift and	mm	1455	1557	1486	1589			
45° Discharge	ft/in	4'9"	5'1"	4'10"	5'2"			
Reach at Level Lift Arm and	mm	2837	2998	2882	3043			
Bucket Level	ft/in	9'3"	9'10"	9'5"	9'11"			
A† Digging Depth	mm	102	102	102	102			
. 33 3 1	in	4"	4"	4"	4"			
12† Overall Length	mm	8457	8630	8502	8675			
	ft/in	27'9"	28'4"	27'11"	28'6"			
B† Overall Height with Bucket at	mm	5588	5588	5631	5631			
Maximum Lift	ft/in	18'4"	18'4"	18'6"	18'6"			
Loader Clearance Circle Radius	mm	6775	6862	6789	6877			
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'4"	22'7"			
Static Tipping Load, Straight	kg	12 124	11 983	12 041	11 900			
(With tire deflection)	lb	26,729	26,419	26,546	26,235			
Static Tipping Load, Straight	kg	12 850	12 708	12 768	12 626			
(No tire deflection)	lb	28,330	28,017	28,150	27,835			
Static Tipping Load,	kg	10 386	10 246	10 308	10 167			
Articulated (With tire deflection)	lb	22,898	22,589	22,726	22,415			
Static Tipping Load, Articulated	kg	11 121	10 979	11 044	10 901			
(No tire deflection)	lb	24,518	24,205	24,349	24,034			
Breakout Force(§)	kN	161	160	156	154			
	lbf	36,293	36,010	35,090	34,809			
Operating Weight*	kg	19 803	19 911	19 843	19 951			
	lb	43,657	43,895	43,745	43,983			

<sup>\*</sup>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<sup>TM</sup>, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

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

<sup>(</sup>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	ook-On – Fusion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	m <sup>3</sup>	2.90	2.90	2.90	2.90		
	$yd^3$	3.75	3.75	3.75	3.75		
Capacity – Rated at 110% Fill Factor	$m^3$	3.20	3.20	3.20	3.20		
	yd³	4.25	4.25	4.25	4.25		
Width	mm	2943	3020	3007	3000		
	ft/in	9'7"	9'10"	9'10"	9'10"		
16† Dump Clearance at Maximum Lift	mm	3003	2877	2964	2854		
and 45° Discharge	ft/in	9'10"	9'5"	9'8"	9'4"		
17† Reach at Maximum Lift and	mm	1448	1574	1537	1657		
45° Discharge	ft/in	4'9"	5'1"	5'0"	5'5"		
Reach at Level Lift Arm and	mm	2590	2766	2685	2846		
Bucket Level	ft/in	8'5"	9'0"	8'9"	9'4"		
A† Digging Depth	mm	103	103	82	82		
	in	4"	4"	3.2"	3.2"		
12† Overall Length	mm	8211	8407	8290	8465		
	ft/in	27'0"	27'7"	27'3"	27'10"		
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	5321	5321	5393	5393		
Maximum Lift	ft/in	17'6"	17'6"	17'9"	17'9"		
Loader Clearance Circle Radius	mm	6712	6811	6756	6810		
with Bucket at Carry Position	ft/in	22'1"	22'5"	22'2"	22'5"		
Static Tipping Load, Straight	kg	12 596	12 423	11 895	11 766		
(With tire deflection)	1b	27,771	27,389	26,224	25,940		
Static Tipping Load, Straight	kg	13 334	13 159	12 629	12 498		
(No tire deflection)	lb	29,397	29,010	27,842	27,554		
Static Tipping Load,	kg	10 820	10 647	10 148	10 019		
Articulated (With tire deflection)	lb	23,855	23,473	22,373	22,088		
Static Tipping Load, Articulated	kg	11 565	11 390	10 890	10 759		
(No tire deflection)	lb	25,497	25,111	24,009	23,721		
Breakout Force(§)	kN	196	194	180	178		
	lbf	44,133	43,733	40,511	40,222		
Operating Weight*	kg	19 605	19 740	20 160	20 260		
	lb	43,221	43,518	44,445	44,664		

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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 High Dump — Pin-On							
Bucket Type									
Edge Type	,	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges				
Capacity – Rated	$m^3$	5.10	6.10	7.60	9.20				
	$yd^3$	6.75	8.00	10.00	12.00				
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.60	6.70	8.40	10.10				
	$yd^3$	7.25	8.75	11.00	13.25				
Width	mm	3029	2910	3350	3350				
	ft/in	9'11"	9'6"	10'11"	10'11"				
6† Dump Clearance at Maximum Height	mm	4568	4535	4462	4298				
and High Dump Fully Rolled Out (45°)	ft/in	14'10"	14'9"	14'6"	14'1"				
<b>7</b> † Reach at Maximum Height and High	mm	1757	1798	1870	2031				
Dump Fully Rolled Out (45°)	ft/in	5'8"	5'9"	6'1"	6'7"				
Reach at Level Lift Arm and	mm	3207	3311	3478	3678				
Bucket Level	ft/in	10'6"	10'10"	11'4"	12'0"				
A† Digging Depth	mm	94	168	72	72				
	in	3.7"	6.6"	2.8"	2.8"				
<b>2</b> † Overall Length	mm	8821	8978	9098	9298				
	ft/in	29'0"	29'6"	29'11"	30'7"				
B† Overall Height at Maximum Height and	mm	6674	6827	6818	6972				
High Dump Fully Rolled Out (45°)	ft/in	21'9"	22'4"	22'4"	22'9"				
Loader Clearance Circle Radius	mm	6938	6947	7171	7239				
with Bucket at Carry Position	ft/in	22'10"	22'10"	23'7"	23'9"				
Static Tipping Load, Straight	kg	11 226	10 289	10 698	10 371				
(With tire deflection)	lb	24,749	22,684	23,585	22,866				
Static Tipping Load, Straight	kg	11 958	11 007	11 463	11 140				
(No tire deflection)	lb	26,365	24,267	25,272	24,561				
Static Tipping Load,	kg	9544	8640	9009	8700				
Articulated (With tire deflection)	lb	21,041	19,048	19,861	19,180				
Static Tipping Load, Articulated	kg	10 285	9366	9781	9476				
(No tire deflection)	lb	22,675	20,649	21,564	20,892				
Breakout Force(§)	kN	123	114	108	96				
	lbf	27,694	25,628	24,436	21,789				
Operating Weight*	kg	20 108	20 870	20 669	20 842				

<sup>\*</sup> 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.

46,009

45,566

45,948

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

44,329

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

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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	Bolt-On Cutting Edges				
Capacity – Rated	m <sup>3</sup>	6.10	7.60	9.20				
	$yd^3$	8.00	10.00	12.00				
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	6.70	8.40	10.10				
	$yd^3$	8.75	11.00	13.25				
Width	mm	3037	3350	3350				
	ft/in	9'11"	10'11"	10'11"				
6† Dump Clearance at Maximum Height	mm	4520	4517	4354				
and High Dump Fully Rolled Out (45°)	ft/in	14'8"	14'8"	14'3"				
7† Reach at Maximum Height and High	mm	1918	1904	2065				
Dump Fully Rolled Out (45°)	ft/in	6'3"	6'2"	6'8"				
Reach at Level Lift Arm and	mm	3442	3543	3743				
Bucket Level	ft/in	11'3"	11'7"	12'3"				
A† Digging Depth	mm	102	72	72				
	in	4"	2.8"	2.8"				
2† Overall Length	mm	9062	9163	9363				
	ft/in	29'9"	30'1"	30'9"				
<b>B</b> † Overall Height at Maximum Height and	mm	6821	6873	7027				
High Dump Fully Rolled Out (45°)	ft/in	22'4"	22'5"	23'1"				
Loader Clearance Circle Radius	mm	7022	7193	7262				
with Bucket at Carry Position	ft/in	23'1"	23'8"	23'10"				
Static Tipping Load, Straight	kg	9956	10 058	9740				
(With tire deflection)	lb	21,949	22,174	21,474				
Static Tipping Load, Straight	kg	10 651	10 806	10 492				
(No tire deflection)	lb	23,481	23,824	23,131				
Static Tipping Load,	kg	8348	8394	8094				
Articulated (With tire deflection)	lb	18,406	18,506	17,845				
Static Tipping Load, Articulated	kg	9054	9151	8853				
(No tire deflection)	lb	19,960	20,174	19,519				
Breakout Force(§)	kN	105	104	93				
	lbf	23,767	23,412	20,922				
Operating Weight*	kg	21 017	21 236	21 408				
	lb	46,333	46,816	47,195				

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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		Woodchi	p – Pin-On	Woodchip – Ho	ook-On – Fusion				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges				
Capacity – Rated	m <sup>3</sup>	9.20	9.90	9.20	9.90				
	$yd^3$	12.00	13.00	12.00	13.00				
Capacity – Rated at 110% Fill Factor	$m^3$	10.10	10.90	10.10	10.90				
	$yd^3$	13.25	14.25	13.25	14.25				
Width	mm	3330	3330	3330	3330				
	ft/in	10'11"	10'11"	10'11"	10'11"				
<b>16</b> † Dump Clearance at Maximum Lift	mm	2237	2162	2143	2139				
and 45° Discharge	ft/in	7'4"	7'1"	7'0"	7'0"				
17† Reach at Maximum Lift and	mm	1932	2007	2025	2029				
45° Discharge	ft/in	6'4"	6'7"	6'7"	6'7"				
Reach at Level Lift Arm and	mm	3507	3613	3639	3645				
Bucket Level	ft/in	11'6"	11'10"	11'11"	11'11"				
A† Digging Depth	mm	97	97	97	97				
	in	3.8"	3.8"	3.8"	3.8"				
12† Overall Length	mm	9123	9229	9255	9261				
	ft/in	30'0"	30'4"	30'5"	30'5"				
<b>B</b> † Overall Height with Bucket at	mm	6240	6332	6298	6349				
Maximum Lift	ft/in	20'6"	20'10"	20'8"	20'10"				
Loader Clearance Circle Radius	mm	7170	7206	7215	7217				
with Bucket at Carry Position	ft/in	23'7"	23'8"	23'9"	23'9"				
Static Tipping Load, Straight	kg	11 462	11 386	10 199	10 249				
(With tire deflection)	lb	25,269	25,102	22,485	22,595				
Static Tipping Load, Straight	kg	12 254	12 187	10 894	10 952				
(No tire deflection)	lb	27,016	26,869	24,017	24,147				
Static Tipping Load,	kg	9761	9678	8614	8658				
Articulated (With tire deflection)	lb	21,519	21,337	18,991	19,089				
Static Tipping Load, Articulated	kg	10 560	10 487	9320	9372				
(No tire deflection)	lb	23,281	23,119	20,547	20,663				
Breakout Force(§)	kN	104	98	97	96				
	lbf	23,478	22,134	21,897	21,762				
Operating Weight*	kg	19 942	20 034	20 577	20 538				
	lb	43,964	44,166	45,363	45,277				

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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***	Rock, Spade – Pin-On – Abrasion***	Side Dump – Pin-On	Side Dump – Hook-On – Fusion				
Edge Type		Teeth and Segments	Teeth and Segments	Bolt-On Cutting Edges	Bolt-On Cutting Edges				
Capacity – Rated	m <sup>3</sup>	3.40	3.30	2.90	2.90				
	$yd^3$	4.50	4.25	3.75	3.75				
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.60	3.20	3.20				
	$yd^3$	4.75	4.75	4.25	4.25				
Width	mm	2995	2937	3220	3220				
	ft/in	9'9"	9'7"	10'6"	10'6"				
<b>16</b> † Dump Clearance at Maximum Lift	mm	2643	2809	2727	2727				
and 45° Discharge	ft/in	8'8"	9'2"	8'11"	8'11"				
17† Reach at Maximum Lift and	mm	1695	1506	1428	1427				
45° Discharge	ft/in	5'6"	4'11"	4'8"	4'8"				
Reach at Level Lift Arm and	mm	3070	2819	2804	2803				
Bucket Level	ft/in	10'0"	9'2"	9'2"	9'2"				
A† Digging Depth	mm	39	36	107	107				
	in	1.5"	1.4"	4.2"	4.2"				
12† Overall Length	mm	8691	8439	8428	8427				
	ft/in	28'7"	27'9"	27'8"	27'8"				
<b>B</b> † Overall Height with Bucket at	mm	5641	5641	5516	5508				
Maximum Lift	ft/in	18'7"	18'7"	18'2"	18'1"				
Loader Clearance Circle Radius	mm	6898	6792	6884	6898				
with Bucket at Carry Position	ft/in	22'8"	22'4"	22'8"	22'8"				
Static Tipping Load, Straight	kg	12 991	13 198	11 720	11 436				
(With tire deflection)	lb	28,641	29,096	25,838	25,212				
Static Tipping Load, Straight	kg	13 786	13 995	12 450	12 164				
(No tire deflection)	1b	30,394	30,854	27,449	26,819				
Static Tipping Load,	kg	11 143	11 350	10 006	9722				
Articulated (With tire deflection)	lb	24,566	25,022	22,059	21,434				
Static Tipping Load, Articulated	kg	11 945	12 154	10 746	10 460				
(No tire deflection)	lb	26,335	26,796	23,691	23,060				
Breakout Force(§)	kN	155	179	160	162				
/	lbf	35,003	40,312	36,024	36,584				
Operating Weight*	kg	20 343	20 188	19 943	20 399				
<del>-</del>	lb	44,848	44,507	43,966	44,971				

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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 Purp	ose – Pin-C	)n		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments						
Capacity – Rated	m <sup>3</sup>	3.10	3.10	3.30	3.30	3.40	3.40	3.60	3.60
	$yd^3$	4.00	4.00	4.25	4.25	4.50	4.50	4.75	4.75
Capacity – Rated at 110% Fill Factor	$m^3$	3.40	3.40	3.60	3.60	3.70	3.70	4.00	4.00
	$yd^3$	4.50	4.50	4.75	4.75	4.75	4.75	5.25	5.25
Width	mm	2927	2994	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	3369	3251	3331	3212	3313	3193	3286	3167
and 45° Discharge	ft/in	11'0"	10'8"	10'11"	10'6"	10'10"	10'5"	10'9"	10'4"
17† Reach at Maximum Lift and	mm	1471	1581	1499	1609	1514	1624	1536	1645
45° Discharge	ft/in	4'9"	5'2"	4'11"	5'3"	4'11"	5'3"	5'0"	5'4"
Reach at Level Lift Arm and	mm	3069	3230	3118	3279	3142	3303	3177	3338
Bucket Level	ft/in	10'0"	10'7"	10'2"	10'9"	10'3"	10'10"	10'5"	10'11"
A† Digging Depth	mm	106	106	106	106	106	106	106	106
	in	4.1"	4.1"	4.1"	4.1"	4.1"	4.1"	4.1"	4.1"
12† Overall Length	mm	8795	8966	8844	9015	8868	9039	8903	9074
	ft/in	28'11"	29'5"	29'1"	29'7"	29'2"	29'8"	29'3"	29'10"
<b>B</b> † Overall Height with Bucket at	mm	6018	6018	6064	6064	6090	6090	6124	6124
Maximum Lift	ft/in	19'9"	19'9"	19'11"	19'11"	20'0"	20'0"	20'2"	20'2"
Loader Clearance Circle Radius	mm	6937	7027	6953	7043	6960	7051	6972	7063
with Bucket at Carry Position	ft/in	22'10"	23'1"	22'10"	23'2"	22'11"	23'2"	22'11"	23'3"
Static Tipping Load, Straight	kg	11 512	11 376	11 399	11 262	11 358	11 220	11 292	11 154
(With tire deflection)	1b	25,381	25,080	25,131	24,828	25,041	24,737	24,895	24,591
Static Tipping Load, Straight	kg	12 099	11 961	11 987	11 849	11 947	11 808	11 882	11 743
(No tire deflection)	lb	26,674	26,371	26,427	26,122	26,339	26,033	26,196	25,889
Static Tipping Load,	kg	9851	9714	9742	9605	9702	9565	9640	9501
Articulated (With tire deflection)	lb	21,718	21,417	21,478	21,175	21,391	21,087	21,253	20,948
Static Tipping Load, Articulated	kg	10 455	10 317	10 347	10 209	10 309	10 170	10 247	10 108
(No tire deflection)	lb	23,049	22,746	22,812	22,507	22,727	22,421	22,592	22,285
Breakout Force(§)	kN	172	171	165	164	162	160	157	156
	lbf	38,686	38,433	37,134	36,882	36,421	36,169	35,424	35,172
Operating Weight*	kg	19 921	20 029	19 991	20 099	20 015	20 123	20 051	20 159
	lb	43,918	44,156	44,071	44,309	44,124	44,362	44,204	44,442

<sup>\*</sup>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<sup>TM</sup>, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

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

<sup>(</sup>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 Purpose – Hook-On – Fusion								
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 <sup>3</sup>	3.10	3.10	3.40	3.40	3.60	3.60			
	$yd^3$	4.00	4.00	4.50	4.50	4.75	4.75			
Capacity – Rated at 110% Fill Factor	$m^3$	3.40	3.40	3.70	3.70	4.00	4.00			
	yd³	4.50	4.50	4.75	4.75	5.25	5.25			
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	3330	3212	3273	3154	3246	3127			
and 45° Discharge	ft/in	10'11"	10'6"	10'8"	10'4"	10'7"	10'3"			
17† Reach at Maximum Lift and	mm	1516	1627	1559	1669	1581	1690			
45° Discharge	ft/in	4'11"	5'4"	5'1"	5'5"	5'2"	5'6"			
Reach at Level Lift Arm and	mm	3129	3290	3202	3363	3237	3398			
Bucket Level	ft/in	10'3"	10'9"	10'6"	11'0"	10'7"	11'1"			
A† Digging Depth	mm	106	106	106	106	106	106			
	in	4.1"	4.1"	4.1"	4.1"	4.1"	4.1"			
12† Overall Length	mm	8855	9026	8928	9099	8963	9134			
	ft/in	29'1"	29'8"	29'4"	29'11"	29'5"	30'0"			
<b>B</b> † Overall Height with Bucket at	mm	6051	6051	6123	6123	6157	6157			
Maximum Lift	ft/in	19'11"	19'11"	20'2"	20'2"	20'3"	20'3"			
Loader Clearance Circle Radius	mm	6946	7037	6970	7061	6981	7073			
with Bucket at Carry Position	ft/in	22'10"	23'2"	22'11"	23'2"	22'11"	23'3"			
Static Tipping Load, Straight	kg	10 956	10 820	10 832	10 694	10 770	10 633			
(With tire deflection)	lb	24,154	23,854	23,880	23,578	23,745	23,441			
Static Tipping Load, Straight	kg	11 535	11 398	11 414	11 275	11 354	11 215			
(No tire deflection)	lb	25,431	25,129	25,163	24,858	25,031	24,725			
Static Tipping Load,	kg	9317	9180	9198	9061	9140	9002			
Articulated (With tire deflection)	lb	20,540	20,240	20,279	19,976	20,151	19,847			
Static Tipping Load, Articulated	kg	9913	9776	9798	9659	9741	9602			
(No tire deflection)	lb	21,856	21,554	21,601	21,296	21,475	21,169			
Breakout Force(§)	kN	163	162	154	153	150	149			
	lbf	36,824	36,572	34,767	34,516	33,852	33,600			
Operating Weight*	kg	20 391	20 499	20 461	20 569	20 495	20 603			
	lb	44,954	45,192	45,108	45,346	45,183	45,421			

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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				H	ligh Lift Linkag	e		
Bucket Type				Flat Floo	r – Pin-On			Flat Floor - Pin-On – Light Material
220.000.1900		Bolt-On Cutting			Bolt-On Cutting Teeth and		Bolt-On Cutting Teeth and	
Edge Type		Edges	Segments	Edges	Segments	Edges	Segments	Edges
Capacity – Rated	$m^3$	3.30	3.30	3.40	3.40	3.60	3.60	4.60
	yd³	4.25	4.25	4.50	4.50	4.75	4.75	6.00
Capacity – Rated at 110% Fill Factor	$m^3$	3.60	3.60	3.70	3.70	4.00	4.00	5.00
	$yd^3$	4.75	4.75	4.75	4.75	5.25	5.25	6.50
Width	mm	2927	2994	2927	2994	2927	2994	3338
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"	10'11"
<b>16</b> † Dump Clearance at Maximum Lift	mm	3283	3157	3255	3129	3223	3097	3127
and 45° Discharge	ft/in	10'9"	10'4"	10'8"	10'3"	10'6"	10'1"	10'3"
17† Reach at Maximum Lift and	mm	1419	1522	1448	1550	1479	1582	1589
45° Discharge	ft/in	4'7"	4'11"	4'9"	5'1"	4'10"	5'2"	5'2"
Reach at Level Lift Arm and	mm	3112	3273	3152	3313	3197	3358	3342
Bucket Level	ft/in	10'2"	10'8"	10'4"	10'10"	10'5"	11'0"	10'11"
A† Digging Depth	mm	106	106	106	106	106	106	96
	in	4.1"	4.1"	4.1"	4.1"	4.1"	4.1"	3.8"
12† Overall Length	mm	8838	9009	8878	9049	8923	9094	9062
	ft/in	29'0"	29'7"	29'2"	29'9"	29'4"	29'11"	29'9"
<b>B</b> † Overall Height with Bucket at	mm	6020	6020	6059	6059	6108	6108	6007
Maximum Lift	ft/in	19'9"	19'9"	19'11"	19'11"	20'1"	20'1"	19'9"
Loader Clearance Circle Radius	mm	6951	7042	6964	7055	6978	7070	7198
with Bucket at Carry Position	ft/in	22'10"	23'2"	22'11"	23'2"	22'11"	23'3"	23'8"
Static Tipping Load, Straight	kg	11 313	11 177	11 240	11 103	11 158	11 021	10 893
(With tire deflection)	lb	24,942	24,643	24,781	24,480	24,600	24,298	24,015
Static Tipping Load, Straight	kg	11 888	11 751	11 816	11 679	11 736	11 598	11 459
(No tire deflection)	lb	26,209	25,908	26,051	25,747	25,874	25,569	25,263
Static Tipping Load,	kg	9671	9535	9601	9464	9523	9386	9284
Articulated (With tire deflection)	lb	21,321	21,021	21,167	20,866	20,996	20,693	20,468
Static Tipping Load, Articulated	kg	10 263	10 126	10 195	10 057	10 119	9980	9868
(No tire deflection)	kg lb	22,627	22,325	22,476	22,173	22,308	22,003	21,755
Breakout Force (§)	kN	165	164	160	159	155	154	140
Dicarout Polec(8)					-			÷
Omorating Weight*	lbf	37,304	37,051	36,121	35,869	34,869	34,618	31,463
Operating Weight*	kg	19 976	20 084	20 016	20 124	20 060	20 168	20 140
	lb	44,040	44,278	44,128	44,366	44,225	44,463	44,401

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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 – H	ook-On – Fusion					
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 <sup>3</sup>	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	3212	3087	3180	3055				
and 45° Discharge	ft/in	10'6"	10'1"	10'5"	10'0"				
17† Reach at Maximum Lift and	mm	1490	1592	1522	1624				
45° Discharge	ft/in	4'10"	5'2"	4'11"	5'3"				
Reach at Level Lift Arm and	mm	3212	3373	3257	3418				
Bucket Level	ft/in	10'6"	11'0"	10'8"	11'2"				
A† Digging Depth	mm	106	106	106	106				
	in	4.1"	4.1"	4.1"	4.1"				
12† Overall Length	mm	8938	9109	8983	9154				
	ft/in	29'4"	29'11"	29'6"	30'1"				
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6094	6094	6137	6137				
Maximum Lift	ft/in	20'0"	20'0"	20'2"	20'2"				
Loader Clearance Circle Radius	mm	6973	7065	6988	7080				
with Bucket at Carry Position	ft/in	22'11"	23'3"	23'0"	23'3"				
Static Tipping Load, Straight	kg	10 721	10 584	10 644	10 507				
(With tire deflection)	1b	23,635	23,335	23,467	23,165				
Static Tipping Load, Straight	kg	11 290	11 153	11 215	11 077				
(No tire deflection)	lb	24,891	24,589	24,725	24,421				
Static Tipping Load,	kg	9103	8966	9030	8893				
Articulated (With tire deflection)	lb	20,069	19,768	19,909	19,607				
Static Tipping Load, Articulated	kg	9690	9553	9619	9481				
(No tire deflection)	lb	21,364	21,062	21,207	20,903				
Breakout Force(§)	kN	153	152	148	147				
	lbf	34,491	34,239	33,343	33,092				
Operating Weight*	kg	20 463	20 571	20 503	20 611				
	lb	45,113	45,351	45,201	45,439				

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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 Dum	p – Pin-On					
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges				
Capacity – Rated	$m^3$	5.10	6.10	7.60	9.20				
	$yd^3$	6.75	8.00	10.00	12.00				
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.60	6.70	8.40	10.10				
	$yd^3$	7.25	8.75	11.00	13.25				
Width	mm	3029	2910	3350	3350				
	ft/in	9'11"	9'6"	10'11"	10'11"				
6† Dump Clearance at Maximum Height	mm	5024	4989	4913	4743				
and High Dump Fully Rolled Out (48°)	ft/in	16'5"	16'4"	16'1"	15'6"				
<b>7</b> † Reach at Maximum Height and High	mm	1815	1855	1923	2077				
Dump Fully Rolled Out (48°)	ft/in	5'10"	6'1"	6'3"	6'8"				
Reach at Level Lift Arm and	mm	3582	3686	3853	4053				
Bucket Level	ft/in	11'9"	12'1"	12'7"	13'3"				
A† Digging Depth	mm	99	173	76	76				
	in	3.9"	6.8"	3"	3"				
2† Overall Length	mm	9303	9452	9579	9779				
,	ft/in	30'7"	31'1"	31'6"	32'1"				
<b>B</b> † Overall Height at Maximum Height and	mm	7143	7296	7286	7440				
High Dump Fully Rolled Out (48°)	ft/in	23'4"	23'10"	23'9"	24'4"				
Loader Clearance Circle Radius	mm	7146	7165	7380	7450				
with Bucket at Carry Position	ft/in	23'6"	23'7"	24'3"	24'6"				
Static Tipping Load, Straight	kg	9911	9014	9362	9058				
(With tire deflection)	lb	21,851	19,874	20,640	19,970				
Static Tipping Load, Straight	kg	10487	9581	9961	9660				
(No tire deflection)	lb	23,121	21,123	21,960	21,297				
Static Tipping Load,	kg	8342	7474	7788	7500				
Articulated (With tire deflection)	lb	18,391	16,477	17,171	16,535				
Static Tipping Load, Articulated	kg	8936	8057	8405	8120				
(No tire deflection)	lb	19,702	17,764	18,531	17,902				
Breakout Force(§)	kN	116	108	102	91				
	lbf	26,251	24,376	23,126	20,601				
Operating Weight*	kg	20 768	21 530	21 329	21 502				
	lb	45,785	47,465	47,022	47,404				

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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	Bolt-On Cutting Edges				
Capacity – Rated	m <sup>3</sup>	6.10	7.60	9.20				
	$yd^3$	8.00	10.00	12.00				
Capacity – Rated at 110% Fill Factor	$m^3$	6.70	8.40	10.10				
	$yd^3$	8.75	11.00	13.25				
Width	mm	3037	3350	3350				
	ft/in	9'11"	10'11"	10'11"				
6† Dump Clearance at Maximum Height	mm	4969	4967	4797				
and High Dump Fully Rolled Out (48°)	ft/in	16'3"	16'3"	15'7"				
<b>7</b> † Reach at Maximum Height and High	mm	1974	1959	2113				
Dump Fully Rolled Out (48°)	ft/in	6'5"	6'4"	6'9"				
Reach at Level Lift Arm and	mm	3817	3918	4118				
Bucket Level	ft/in	12'6"	12'10"	13'6"				
A† Digging Depth	mm	106	76	76				
	in	4.1"	3"	3"				
2† Overall Length	mm	9543	9644	9844				
	ft/in	31'4"	31'8"	32'4"				
B† Overall Height at Maximum Height and	mm	7286	7340	7494				
High Dump Fully Rolled Out (48°)	ft/in	23'9"	24'1"	24'6"				
Loader Clearance Circle Radius	mm	7224	7392	7462				
with Bucket at Carry Position	ft/in	23'9"	24'3"	24'6"				
Static Tipping Load, Straight	kg	8730	8749	8453				
(With tire deflection)	lb	19,246	19,288	18,636				
Static Tipping Load, Straight	kg	9282	9336	9043				
(No tire deflection)	lb	20,463	20,584	19,937				
Static Tipping Load,	kg	7223	7197	6916				
Articulated (With tire deflection)	lb	15,924	15,866	15,248				
Static Tipping Load, Articulated	kg	7794	7802	7524				
(No tire deflection)	1b	17,183	17,202	16,589				
Breakout Force(§)	kN	100	98	87				
	lbf	22,500	22,144	19,768				
Operating Weight*	kg	21 677	21 896	22 068				
	lb	47,789	48,272	48,651				

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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		Woodchi	p – Pin-On	Woodchip – Ho	ook-On – Fusion				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges				
Capacity – Rated	$m^3$	9.20	9.90	9.20	9.90				
	$yd^3$	12.00	13.00	12.00	13.00				
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	10.10	10.90	10.10	10.90				
	yd³	13.25	14.25	13.25	14.25				
Width	mm	3330	3330	3330	3330				
	ft/in	10'11"	10'11"	10'11"	10'11"				
<b>16</b> † Dump Clearance at Maximum Lift	mm	2742	2667	2649	2644				
and 45° Discharge	ft/in	8'11"	8'9"	8'8"	8'8"				
17† Reach at Maximum Lift and	mm	1967	2042	2061	2065				
45° Discharge	ft/in	6'5"	6'8"	6'9"	6'9"				
Reach at Level Lift Arm and	mm	3882	3988	4014	4020				
Bucket Level	ft/in	12'8"	13'1"	13'2"	13'2"				
A† Digging Depth	mm	101	101	101	101				
	in	4"	4"	4"	4"				
12† Overall Length	mm	9605	9711	9737	9743				
	ft/in	31'7"	31'11"	32'0"	32'0"				
B† Overall Height with Bucket at	mm	6746	6838	6803	6855				
Maximum Lift	ft/in	22'2"	22'6"	22'4"	22'6"				
Loader Clearance Circle Radius	mm	7378	7415	7414	7416				
with Bucket at Carry Position	ft/in	24'3"	24'4"	24'4"	24'4"				
Static Tipping Load, Straight	kg	10 105	10 020	9003	9046				
(With tire deflection)	lb	22,279	22,091	19,849	19,943				
Static Tipping Load, Straight	kg	10 723	10 644	9556	9604				
(No tire deflection)	lb	23,640	23,467	21,067	21,174				
Static Tipping Load,	kg	8523	8433	7516	7554				
Articulated (With tire deflection)	lb	18,791	18,593	16,570	16,654				
Static Tipping Load, Articulated	kg	9158	9075	8088	8132				
(No tire deflection)	lb	20,192	20,007	17,831	17,928				
Breakout Force(§)	kN	98	93	92	91				
	lbf	22,244	20,960	20,736	20,604				
Operating Weight*	kg	20 602	20 694	21 237	21 198				
	lb	45,420	45,622	46,819	46,733				

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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					<b>Auxiliary Co</b>	unterweigh	ıt		
Bucket Type					General Purp	ose – Pin-C	)n		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments						
Capacity – Rated	m <sup>3</sup>	3.10	3.10	3.30	3.30	3.40	3.40	3.60	3.60
	$yd^3$	4.00	4.00	4.25	4.25	4.50	4.50	4.75	4.75
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.60	3.60	3.70	3.70	4.00	4.00
	$yd^3$	4.50	4.50	4.75	4.75	4.75	4.75	5.25	5.25
Width	mm	2927	2994	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2864	2746	2826	2707	2807	2688	2781	2661
and 45° Discharge	ft/in	9'4"	9'0"	9'3"	8'10"	9'2"	8'9"	9'1"	8'8"
17† Reach at Maximum Lift and	mm	1435	1546	1464	1574	1479	1588	1501	1610
45° Discharge	ft/in	4'8"	5'0"	4'9"	5'1"	4'10"	5'2"	4'11"	5'3"
Reach at Level Lift Arm and	mm	2694	2855	2743	2904	2767	2928	2802	2963
Bucket Level	ft/in	8'10"	9'4"	9' 0"	9'6"	9'0"	9'7"	9'2"	9'8"
A† Digging Depth	mm	102	102	102	102	102	102	102	102
	in	4"	4"	4"	4"	4"	4"	4"	4"
12† Overall Length	mm	8343	8516	8392	8565	8416	8589	8451	8624
	ft/in	27'5"	28'0"	27'7"	28'2"	27'8"	28'3"	27'9"	28'4"
<b>B</b> † Overall Height with Bucket at	mm	5513	5513	5559	5559	5585	5585	5618	5618
Maximum Lift	ft/in	18'2"	18'2"	18'3"	18'3"	18'4"	18'4"	18'6"	18'6"
Loader Clearance Circle Radius	mm	6735	6821	6750	6836	6757	6844	6768	6854
with Bucket at Carry Position	ft/in	22'2"	22'5"	22'2"	22'6"	22'3"	22'6"	22'3"	22'6"
Static Tipping Load, Straight	kg	13 823	13 682	13 698	13 557	13 654	13 512	13 581	13 438
(With tire deflection)	lb	30,474	30,164	30,200	29,888	30,102	29,789	29,941	29,626
Static Tipping Load, Straight	kg	14 637	14 495	14 515	14 371	14 471	14 328	14 400	14 256
(No tire deflection)	lb	32,269	31,956	32,000	31,684	31,905	31,588	31,748	31,429
Static Tipping Load,	kg	11 889	11 748	11 770	11 628	11 727	11 585	11 658	11 515
Articulated (With tire deflection)	lb	26,211	25,901	25,949	25,637	25,855	25,542	25,702	25,388
Static Tipping Load, Articulated	kg	12 713	12 571	12 596	12 453	12 555	12 411	12 488	12 343
(No tire deflection)	lb	28,028	27,714	27,771	27,455	27,680	27,363	27,531	27,213
Breakout Force(§)	kN	181	179	173	172	170	169	165	164
	lbf	40,689	40,400	39,063	38,777	38,316	38,030	37,271	36,987
Operating Weight*	kg	19 671	19 779	19 740	19 848	19 764	19 872	19 800	19 908
	lb	43,366	43,604	43,519	43,757	43,572	43,810	43,652	43,890

<sup>\*</sup>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<sup>TM</sup>, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

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

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

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

#### **Operating Specifications – Buckets (continued)**

Linkage				Auxiliary Cou	nterweight			
Bucket Type			General Purpose – Hook-On – Fusion					
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 <sup>3</sup>	3.10	3.10	3.40	3.40	3.60	3.60	
	yd³	4.00	4.00	4.50	4.50	4.75	4.75	
Capacity – Rated at 110% Fill Factor	$m^3$	3.40	3.40	3.70	3.70	4.00	4.00	
	$yd^3$	4.50	4.50	4.75	4.75	5.25	5.25	
Width	mm	2927	2994	2927	2994	2927	2994	
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"	
<b>16</b> † Dump Clearance at Maximum Lift	mm	2825	2706	2767	2648	2741	2621	
and 45° Discharge	ft/in	9'3"	8'10"	9'0"	8'8"	8'11"	8'7"	
17† Reach at Maximum Lift and	mm	1481	1591	1524	1633	1545	1654	
45° Discharge	ft/in	4'10"	5'2"	5'0"	5'4"	5'0"	5'5"	
Reach at Level Lift Arm and	mm	2754	2915	2827	2988	2862	3023	
Bucket Level	ft/in	9'0"	9'6"	9'3"	9'9"	9'4"	9'11"	
A† Digging Depth	mm	102	102	102	102	102	102	
	in	4"	4"	4"	4"	4"	4"	
12† Overall Length	mm	8403	8576	8476	8649	8511	8684	
· ·	ft/in	27'7"	28'2"	27'10"	28'5"	28'0"	28'6"	
<b>B</b> † Overall Height with Bucket at	mm	5546	5546	5618	5618	5652	5652	
Maximum Lift	ft/in	18'3"	18'3"	18'6"	18'6"	18'7"	18'7"	
Loader Clearance Circle Radius	mm	6749	6836	6772	6859	6783	6870	
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'3"	22'7"	22'4"	22'7"	
Static Tipping Load, Straight	kg	13 221	13 081	13 084	12 942	13 016	12 874	
(With tire deflection)	lb	29,147	28,838	28,845	28,533	28,696	28,382	
Static Tipping Load, Straight	kg	14 023	13 881	13 889	13 746	13 823	13 679	
(No tire deflection)	lb	30,915	30,602	30,621	30,305	30,476	30,159	
Static Tipping Load,	kg	11 316	11 176	11 186	11 044	11 122	10 979	
Articulated (With tire deflection)	lb	24,948	24,639	24,661	24,349	24,520	24,206	
Static Tipping Load, Articulated	kg	12 128	11 987	12 002	11 859	11 940	11 796	
(No tire deflection)	lb	26,739	26,426	26,461	26,145	26,323	26,006	
Breakout Force(§)	kN	172	171	162	161	158	157	
	lbf	38,737	38,451	36,582	36,299	35,623	35,340	
Operating Weight*	kg	20 140	20 248	20 210	20 318	20 244	20 352	
	lb	44,402	44,640	44,556	44,794	44,631	44,869	

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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				Auxi	liary Counterw	eight		
Bucket Type				Flat Floo	r – Pin-On			Flat Floor - Pin-On – Light Material
		Bolt-On Cutting	Teeth and	Bolt-On Cutting	Teeth and	Bolt-On Cutting	Teeth and	Bolt-On Cutting
Edge Type	2	Edges	Segments	Edges	Segments	Edges	Segments	Edges
Capacity – Rated	$m^3$	3.30	3.30	3.40	3.40	3.60	3.60	4.60
C	yd <sup>3</sup>	4.25	4.25	4.50	4.50	4.75	4.75	6.00
Capacity – Rated at 110% Fill Factor	$m^3$	3.60	3.60	3.70	3.70	4.00	4.00	5.00
	yd <sup>3</sup>	4.75	4.75	4.75	4.75	5.25	5.25	6.50
Width	mm	2927	2994	2927	2994	2927	2994	3338
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"	10'11"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2777	2652	2749	2624	2717	2592	2622
and 45° Discharge	ft/in	9'1"	8'8"	9'0"	8'7"	8'11"	8'6"	8'7"
17† Reach at Maximum Lift and	mm	1384	1486	1412	1514	1444	1546	1553
45° Discharge	ft/in	4'6"	4'10"	4'7"	4'11"	4'8"	5'0"	5'1"
Reach at Level Lift Arm and	mm	2737	2898	2777	2938	2822	2983	2967
Bucket Level	ft/in	8'11"	9'6"	9'1"	9'7"	9'3"	9'9"	9'8"
A† Digging Depth	mm	102	102	102	102	102	102	92
	in	4"	4"	4"	4"	4"	4"	3.6"
12† Overall Length	mm	8386	8559	8426	8599	8471	8644	8609
	ft/in	27'7"	28'1"	27'8"	28'3"	27'10"	28'5"	28'3"
<b>B</b> † Overall Height with Bucket at	mm	5515	5515	5554	5554	5602	5602	5502
Maximum Lift	ft/in	18'2"	18'2"	18'3"	18'3"	18'5"	18'5"	18'1"
Loader Clearance Circle Radius	mm	6748	6834	6760	6847	6774	6861	6999
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'3"	22'6"	22'3"	22'7"	23'0"
Static Tipping Load, Straight	kg	13 573	13 432	13 491	13 350	13 400	13 259	13 070
(With tire deflection)	lb	29,923	29,614	29,743	29,433	29,543	29,231	28,816
Static Tipping Load, Straight		14 367	14 226	14 288	14 145	14 199	14 056	13 849
(No tire deflection)	kg lb	31,675	31,363	31,500	31,186	31,304	30,988	30,533
Static Tipping Load,		11 664		-				+
Articulated (With tire deflection)	kg		11 524	11 587	11 446	11 501	11 359	11 205
	lb	25,715	25,406	25,545	25,235	25,356	25,044	24,704
Static Tipping Load, Articulated (No tire deflection)	kg	12 469	12 328	12 394	12 252	12 311	12 167	11 996
	lb	27,491	27,179	27,326	27,012	27,141	26,825	26,447
Breakout Force(§)	kN	174	173	169	167	163	162	147
	lbf	39,241	38,955	38,002	37,717	36,690	36,407	33,132
Operating Weight*	kg	19 726	19 834	19 766	19 874	19 810	19 918	19 890
	lb	43,487	43,725	43,576	43,814	43,673	43,911	43,849

<sup>\*</sup> 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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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		Flat Floor – Hook-On – Fusion					
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 <sup>3</sup>	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	2707	2581	2675	2549		
and 45° Discharge	ft/in	8'10"	8'5"	8'9"	8'4"		
17† Reach at Maximum Lift and	mm	1455	1557	1486	1589		
45° Discharge	ft/in	4'9"	5'1"	4'10"	5'2"		
Reach at Level Lift Arm and	mm	2837	2998	2882	3043		
Bucket Level	ft/in	9'3"	9'10"	9'5"	9'11"		
A† Digging Depth	mm	102	102	102	102		
	in	4"	4"	4"	4"		
12† Overall Length	mm	8486	8659	8531	8704		
	ft/in	27'11"	28'5"	28'0"	28'7"		
<b>B</b> † Overall Height with Bucket at	mm	5588	5588	5631	5631		
Maximum Lift	ft/in	18'4"	18'4"	18'6"	18'6"		
Loader Clearance Circle Radius	mm	6775	6862	6789	6877		
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'4"	22'7"		
Static Tipping Load, Straight	kg	12 930	12 790	12 845	12 704		
(With tire deflection)	lb	28,507	28,198	28,318	28,008		
Static Tipping Load, Straight	kg	13 716	13 574	13 632	13 489		
(No tire deflection)	lb	30,239	29,927	30,054	29,740		
Static Tipping Load,	kg	11 054	10 914	10 973	10 832		
Articulated (With tire deflection)	lb	24,370	24,061	24,192	23,881		
Static Tipping Load, Articulated	kg	11 851	11 709	11 772	11 629		
(No tire deflection)	lb	26,128	25,815	25,954	25,639		
Breakout Force(§)	kN	161	160	156	154		
	lbf	36,293	36,010	35,090	34,809		
Operating Weight*	kg	20 213	20 321	20 253	20 361		
	lb	44,561	44,799	44,649	44,887		

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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		High Dump — Pin-On				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	$m^3$	5.10	6.10	7.60	9.20	
	$yd^3$	6.75	8.00	10.00	12.00	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.60	6.70	8.40	10.10	
	$yd^3$	7.25	8.75	11.00	13.25	
Width	mm	3029	2910	3350	3350	
	ft/in	9'11"	9'6"	10'11"	10'11"	
6† Dump Clearance at Maximum Height	mm	4568	4589	4462	4298	
and High Dump Fully Rolled Out (45°)	ft/in	14'10"	15'1"	14'6"	14'1"	
17† Reach at Maximum Height and High	mm	1757	1833	1870	2031	
Dump Fully Rolled Out (45°)	ft/in	5'8"	6'0"	6'1"	6'7"	
Reach at Level Lift Arm and	mm	3207	3311	3543	3743	
Bucket Level	ft/in	10'6"	10'10"	11'7"	12'3"	
A† Digging Depth	mm	94	168	72	72	
. 65 6 1	in	3.7"	6.6"	2.8"	2.8"	
2† Overall Length	mm	8850	9007	9192	9392	
	ft/in	29'1"	29'7"	30'2"	30'10"	
<b>B</b> † Overall Height at Maximum Height and	mm	6674	6868	6818	6972	
High Dump Fully Rolled Out (45°)	ft/in	21'9"	22'5"	22'4"	22'9"	
Loader Clearance Circle Radius	mm	6938	6947	7193	7262	
with Bucket at Carry Position	ft/in	22'10"	22'10"	23'8"	23'10"	
Static Tipping Load, Straight	kg	12 003	11 050	10 824	10 497	
(With tire deflection)	lb	26,463	24,362	23,863	23,143	
Static Tipping Load, Straight	kg	12 797	11 829	11 636	11 313	
(No tire deflection)	lb	28,213	26,080	25,652	24,941	
Static Tipping Load,	kg	10 186	9269	9026	8718	
Articulated (With tire deflection)	lb	22,457	20,435	19,901	19,221	
Static Tipping Load, Articulated	kg	10 992	10 059	9850	9545	
(No tire deflection)	lb	24,233	22,177	21,715	21,044	
Breakout Force(§)	kN	123	114	104	93	
	lbf	27,694	25,628	23,412	20,922	
Operating Weight*	kg	20 518	21 280	21 646	21 818	
	lb	45,233	46,913	47,720	48,099	

<sup>\*</sup>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<sup>TM</sup>, 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.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> 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***	Rock, Spade – Pin-On – Abrasion***	Side Dump – Pin-On	Side Dump – Hook-On – Fusion		
Edge Type		Teeth and Segments	Teeth and Segments	Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	m <sup>3</sup>	3.40	3.30	2.90	2.90		
	$yd^3$	4.50	4.25	3.75	3.75		
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.60	3.20	3.20		
	$yd^3$	4.75	4.75	4.25	4.25		
Width	mm	2995	2937	3220	3220		
	ft/in	9'9"	9'7"	10'6"	10'6"		
<b>16</b> † Dump Clearance at Maximum Lift	mm	2643	2809	2727	2727		
and 45° Discharge	ft/in	8'8"	9'2"	8'11"	8'11"		
17† Reach at Maximum Lift and	mm	1695	1506	1428	1427		
45° Discharge	ft/in	5'6"	4'11"	4'8"	4'8"		
Reach at Level Lift Arm and	mm	3070	2819	2804	2803		
Bucket Level	ft/in	10'0"	9'2"	9'2"	9'2"		
A† Digging Depth	mm	39	36	107	107		
	in	1.5"	1.4"	4.2"	4.2"		
12† Overall Length	mm	8720	8468	8457	8456		
	ft/in	28'8"	27'10"	27'9"	27'9"		
B† Overall Height with Bucket at	mm	5641	5641	5516	5508		
Maximum Lift	ft/in	18'7"	18'7"	18'2"	18'1"		
Loader Clearance Circle Radius	mm	6898	6792	6884	6898		
with Bucket at Carry Position	ft/in	22'8"	22'4"	22'8"	22'8"		
Static Tipping Load, Straight	kg	13 821	14 028	12 514	12 230		
(With tire deflection)	lb	30,471	30,926	27,589	26,963		
Static Tipping Load, Straight	kg	14 679	14 888	13 304	13 018		
(No tire deflection)	lb	32,363	32,823	29,332	28,701		
Static Tipping Load,	kg	11 829	12 036	10 662	10 379		
Articulated (With tire deflection)	lb	26,079	26,536	23,507	22,882		
Static Tipping Load, Articulated	kg	12 698	12 907	11 465	11 180		
(No tire deflection)	lb	27,995	28,455	25,277	24,647		
Breakout Force(§)	kN	155	179	160	162		
	lbf	35,003	40,312	36,024	36,584		
Operating Weight*	kg	20 753	20 598	20 353	20 809		
<del>-</del>	lb	45,752	45,411	44,870	45,875		

<sup>\*</sup>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<sup>TM</sup>, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

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

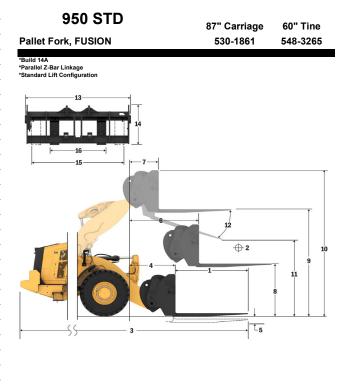
<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

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

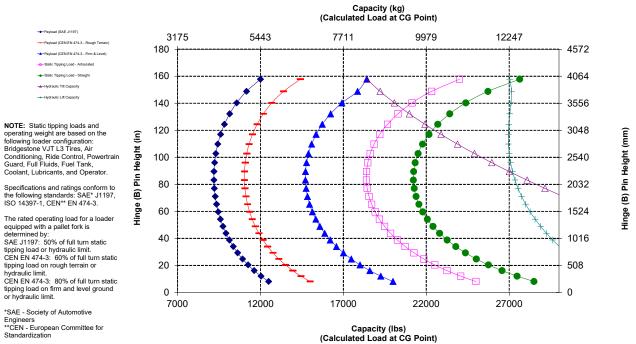
#### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9625
	11 0 0 1	lbs	21213 8341
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	18383
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4170
	Rated Load (SAE 31197 - 50% F151L)	lbs	9191
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5004
	Traise 25dd (52T 2T T T 5 Trough Tondin 5575 T 1572)	lbs	11030
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	6673 14706
		mm	8980
3	Maximum Overall Length	in	353.5
4	Reach with Forks at Ground Level	mm	1258
	Reacti Willi Forks at Glouriu Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-160
		in	-6.3
6	Reach with Arms Horizontal and Forks Level	mm	1752
		in mm	69.0 1037
7	Reach with Fork at Maximum Height	in	40.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
	Glound to Top of Title with Arms Horizontal and Fork Level	in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3707
		in	145.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4482 176.4
	0	mm	2327
11	Clearance at Full Lift and Max Dump	in	91.6
12	Max Discharge Angle from Horizontal	deg	47
	Max Discharge / trigle from Fronzontal		
13	Overall Carriage Width	mm	2217
	<del>-</del>	in mm	87.3 840
14	Overall Carriage Height	in	33.1
4.5	Outside Tine Width (max spread)	mm	2070
15	Outside Title Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
		in	18.5
	Tine Width (single tine)	mm in	150.0 5.9
	T. 7:1	mm	65.0
	Tine Thickness	in	2.6
	Tine Capacity	kg	6300
	тие Сараску	lbs	13885
	Operating Weight	kg	18950
	· · ·	lbs	41766



\*Negative values indicate below grade



or hydraulic limit.

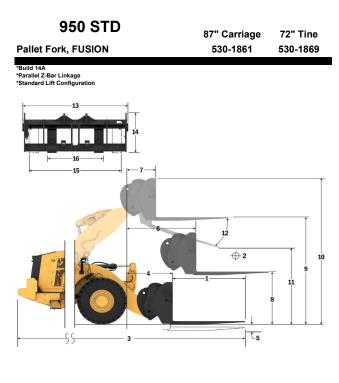
\*SAE - Society of Automotive

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

#### **Fork Specifications**

Fork Specifications	
---------------------	--

	ik Opecinications		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9158
	otatio ripping zoda otaligni (ronio zovor)	lbs	20184
	Static Tipping Load - Articulated (Forks Level)	kg	7930 17477
	· · · · · · · · · · · · · · · · · · ·	lbs kg	3965
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8739
		ka	4758
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10486
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6344
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	13982
3	Maximum Overall Length	mm	9286
	Waximum Overali Lengur	in	365.6
4	Reach with Forks at Ground Level	mm	1258
		in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-160
		in	-6.3
6	Reach with Arms Horizontal and Forks Level	mm in	1752
		mm	69.0 1037
7	Reach with Fork at Maximum Height	in	40.8
_	0 11 7 17 21 4 11 1 15 11 1	mm	1772
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3707
9	Ground to Top or Title at Maximum Height and Fork Level	in	145.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4482
	Overall Height of Fort at Fall (top of samage to ground)	in	176.4
11	Clearance at Full Lift and Max Dump	mm	2105
		in	82.9
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	2217
	Overall Carriage Width	in	87.3
14	Overall Carriage Height	mm	840
		in	33.1
15	Outside Tine Width (max spread)	mm	2070
	· · · /	in mm	81.5 470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
		in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	ka Ibs	5246 11562
		ka	18997
	Operating Weight	lbs	41870
		103	+1070

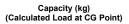


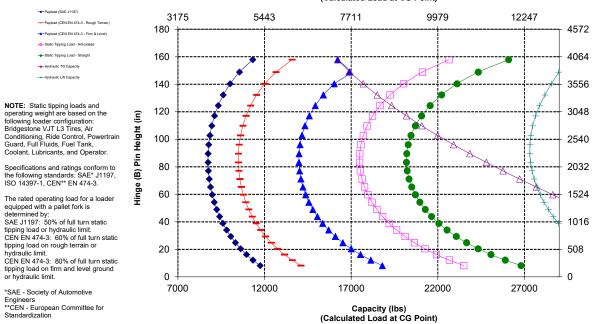
Hinge (B) Pin Height (mm)

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

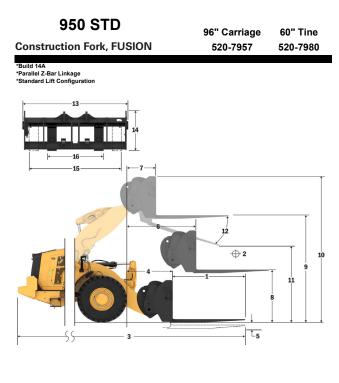
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

#### **Fork Specifications**

	opcomounce		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9356
	otatio ripping 2000 otalign (1 onto 2010)	lbs	20620
	Static Tipping Load - Articulated (Forks Level)	kg	8068
	· · · · · · · · · · · · · · · · · · ·	lbs kg	17782 4034
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8891
	Detect Level (OFN FN 474 0 Decemb Terresia, COO/ FTOTI )	kg	4841
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10669
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6454
	Traced Load (OLIV LIV 474-51 IIIII and Level Ordand - 00701 101L)	lbs	14226
3	Maximum Overall Length	mm	8935
_		in	351.8
4	Reach with Forks at Ground Level	mm	1213
		in mm	47.7 -79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
_		mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
′	Reach with Fork at Maximum Height	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_	Ordana to Top of this man rame for containand for Earth	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
		in	150.1 4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	191.0
		mm	2272
11	Clearance at Full Lift and Max Dump	in	89.5
42	Max Discharge Angle from Horizontal	don	53
12	Max Discharge Angle Iron Horizontal	deg	
13	Overall Carriage Width	mm	2528
		in	99.5
14	Overall Carriage Height	mm	1130 44.5
		in mm	2178
15	Outside Tine Width (max spread)	in	85.7
	O 1 : 1 T 14/: W / : 1)	mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	Title Width (Single title)	in	7.1
	Tine Thickness	mm	90.0
	1015 1105101555	in	3.5
	Tine Capacity	kg	17800
	· ,	lbs	39231
	Operating Weight	ka Ibs	19325 42593
		เมร	42093



\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

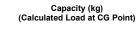
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

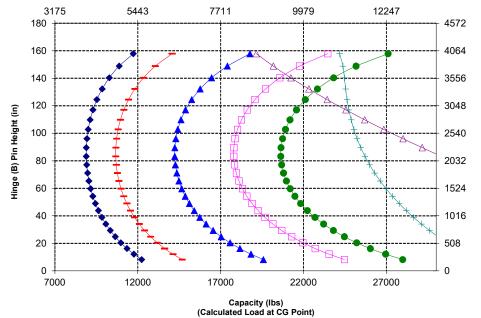
Coolant, Lubricants, and Operator.

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 full turn static tipping load on firm and level ground or hydraulic limit.

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







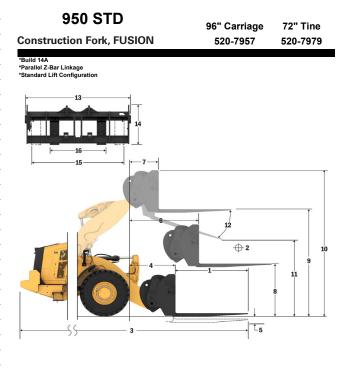
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

#### **Fork Specifications**

#### **Fork Specifications**

	opoomoutione		
1	Tine Length	mm in	1829 72.0
_	1 1 0	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8883
	State ripping 2000 Statight (1 Shie 2010)	lbs	19579
	Static Tipping Load - Articulated (Forks Level)	kg lbs	7652 16864
		kg	3826
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8432
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4591
	Rated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	10118
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6121
		lbs	13491
3	Maximum Overall Length	mm in	9240
	<del>-</del>	mm	363.8 1213
4	Reach with Forks at Ground Level	in	47.7
_	tOdt- B-tttTitMinimum-H-inktdEl	mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
	Treach with Anns Honzontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
		in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1877 73.9
_		mm	3812
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
-10	Overall neight of Fork at Full Lift (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	2029
	Oldardiloc de l'un Elle dila Max Bullip	in	79.9
12	Max Discharge Angle from Horizontal	deg	53
12	Overall Carriage Width	mm	2528
-13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	gg	in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
		mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine (Midth (single tine)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	***************************************	in	3.5
	Tine Capacity	kg	14800
	• •	lbs	32619 19386
	Operating Weight	ka Ibs	42727
		IDO	72121



Hinge (B) Pin Height (mm)

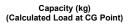
\*Negative values indicate below grade

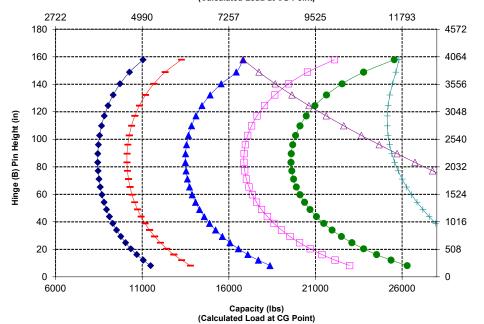
Payload (CEN EN 474-3 - Firm & Level

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 firm and level ground or hydraulic limit.







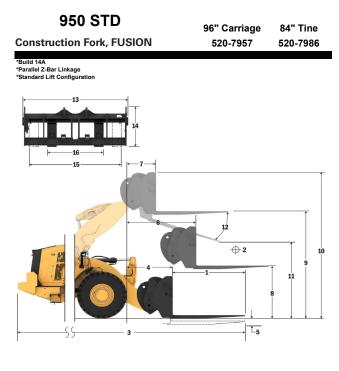
or hydraulic limit.

\*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.

#### **Fork Specifications**

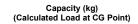
	opcomouncing		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8443
	11 0 0 1	lbs ka	18609 7263
	Static Tipping Load - Articulated (Forks Level)	lbs	16008
	D-4-414 (OAE 14407 FOO( FTOTI )	kg	3631
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8004
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4358
	rtated Edad (OEIV EIV 474-0 Hough Tenam - 00701 TOTE)	lbs	9605
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5810
	,	lbs mm	12806 9545
3	Maximum Overall Length	in	375.8
_	Barack with Fadra at Consult and	mm	1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
_	Cround to Bottom of Time at William Thoight and Fork Edver	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
_		in	68.7
7	Reach with Fork at Maximum Height	mm in	1029 40.5
_	O	mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
_	Ordana to Top of Time at Maximum Fleight and Fork Edver	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
		in mm	191.0 1786
11	Clearance at Full Lift and Max Dump	in	70.3
	M 8: 1 A 1 C 11 : 11		
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2528
••	Oronan Cannago Fridan	in	99.5
14	Overall Carriage Height	mm	1130 44.5
		in mm	2178
15	Outside Tine Width (max spread)	in	85.7
40	Outside Tine Width (min annead)	mm	576
10	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	This That (ongo the)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka Ibs	12700 27991
	On another a Mariaba	ka	19449
	Operating Weight	lbs	42866
		103	42000

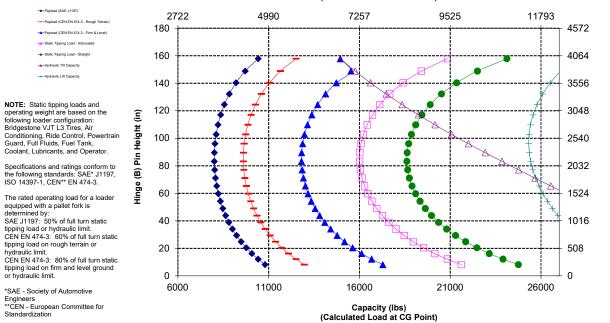


\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator







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

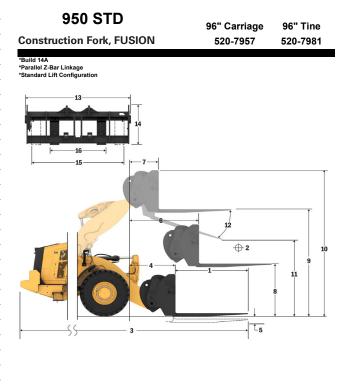
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

# **Fork Specifications**

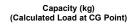
#### **Fork Specifications**

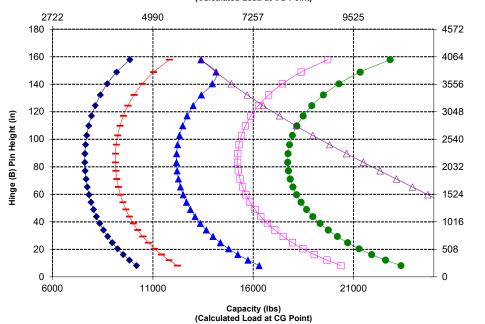
	nk opecinications		
1	Tine Length	mm in	2438 96.0
_		mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8036
	Static Tipping Load - Straight (Porks Lever)	lbs	17712
	Static Tipping Load - Articulated (Forks Level)	kg	6903
		lbs	15214
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3452 7607
	<u> </u>	lbs kg	4142
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9129
		kg	5522
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12171
3	Maximum Overall Length	mm	9849
3	Maximum Overali Lengin	in	387.7
4	Reach with Forks at Ground Level	mm	1213
	Reach with Forks at Glound Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	Cround to Bottom or this at miniman risignt and risit 2010.	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	<u> </u>	in mm	40.5 1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
_		mm	3812
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.1
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
10	Overall neight of Fork at Full Lift (top of carnage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	1544
_'''	Clearance at Full Lift and Max Dump	in	60.8
12	Max Discharge Angle from Horizontal	deg	53
	Mux Disoriarge 7 trigle from Fronzontal		
13	Overall Carriage Width	mm	2528
		in	99.5 1130
14	Overall Carriage Height	mm in	44.5
		mm	2178
15	Outside Tine Width (max spread)	in	85.7
	O 1 11 T 147 111 / 1 10	mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	THE WIGH (SHIGH WIE)	in	7.1
	Tine Thickness	mm	90.0
	1110 1110111000	in	3.5
	Tine Capacity	kq	11300
	- 1 /	lbs	24905
	Operating Weight	kq	19511
	· · ·	lbs	43003



Hinge (B) Pin Height (mm)

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 firm and level ground or hydraulic limit.

or hydraulic limit.

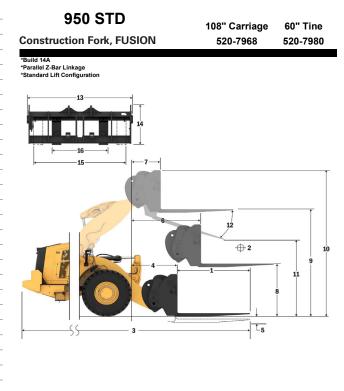
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for



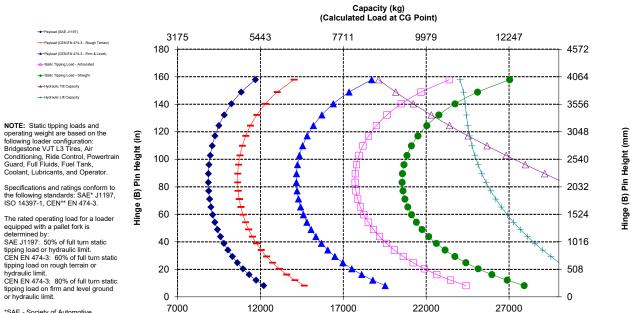
<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

	ik opcomedions		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Load Certier	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9321
		lbs kg	20543 8033
	Static Tipping Load - Articulated (Forks Level)	lbs	17705
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4017
	Trailed 2500 (5/12 51161 55/61 1512)	lbs	8852
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4820 10623
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6426
	Traces about (BETTER TOTAL STORY BROWN TOTAL)	lbs	14164
3	Maximum Overall Length	mm in	8935 351.8
_	Reach with Forks at Ground Level	mm	1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
_		in mm	-3.1 1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	Reach with Fork at Maximum Height	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1877 73.9
_	O 11 T (T 111 1 1 1 1 1 1 1 1 1	mm	3812
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
		in mm	191.0 2272
11	Clearance at Full Lift and Max Dump	in	89.5
12	Max Discharge Angle from Horizontal	deg	53
		mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
	Overall Carriage Floight	in	44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
40	Outside Tine Width (min annead)	mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
	THE HIGHESS	in	3.5
	Tine Capacity	kq	17800
	0 1: W:11	lbs ka	39231 19374
	Operating Weight	lbs	42701



\*Negative values indicate below grade



Capacity (lbs) (Calculated Load at CG Point)

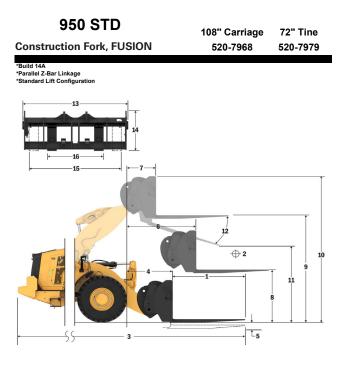
or hydraulic limit.

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

## **Fork Specifications**

#### **Fork Specifications**

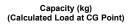
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8849
		lbs	19502
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	7617 16788
		kg	3808
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8394
	D	ka	4570
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10073
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6094
	Nated Load (CEN EN 474-3 Film and Level Glound - 60 % F 131L)	lbs	13430
3	Maximum Overall Length	mm	9240
	Maximum Overall Length	in	363.8
4	Reach with Forks at Ground Level	mm	1213
		in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	<u> </u>	in	-3.1 1744
6	Reach with Arms Horizontal and Forks Level	mm in	68.7
_		mm	1029
7	Reach with Fork at Maximum Height	in	40.5
_	One and to Top of Time with Association and Fortular and	mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
9	Ground to Top of Time at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
		in	191.0
11	Clearance at Full Lift and Max Dump	mm	2029
	· '	in	79.9
12	Max Discharge Angle from Horizontal	deg	53
	0 10 : 10:11	mm	2833
13	Overall 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
	Outoido Tino Tridui (max oproda)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in mm	23.2 180.0
	Tine Width (single tine)	in	7.1
	Time Thirdeness	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	14800
	ппе Сараску	lbs	32619
	Operating Weight	kq	19436
	Operating Weight	lbs	42838

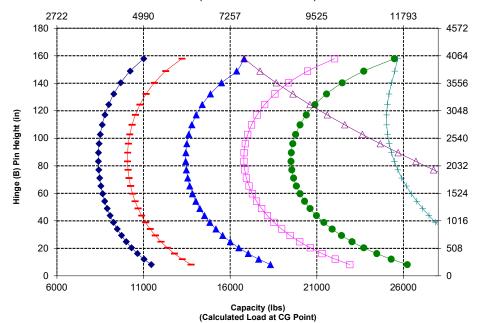


Hinge (B) Pin Height (mm)

\*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.

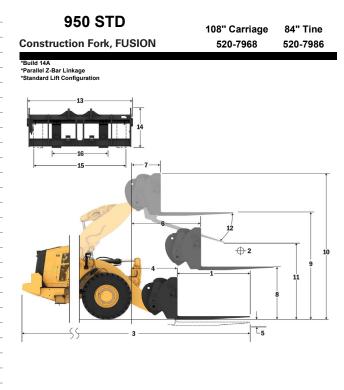
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on from the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

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



#### **Fork Specifications**

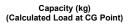
	··· •p••······		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8411 18538
	O. C. T	kg	7231
	Static Tipping Load - Articulated (Forks Level)	lbs	15937
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3615
	,	lbs kg	7968 4338
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9562
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5785
	Trace Edga (OETV ETV 474 OT HITT and Edver Ground - 00%) T TOTE)	lbs	12749
3	Maximum Overall Length	mm in	9545 375.8
_	Reach with Forks at Ground Level	mm	1213
_4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	<u> </u>	in mm	-3.1 1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	Trouble Will Fork at Waximum Floight	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1877 73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
	Ground to Top of Time at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
		in mm	191.0 1786
11	Clearance at Full Lift and Max Dump	in	70.3
12	Max Discharge Angle from Horizontal	deg	53
		mm	2833
13	Overall Carriage Width	in	111.5
11	Overall Carriage Height	mm	1130
	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
	0 + : 1 T W: W / : D	mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12700
	····o oupuony	lbs	27991
	Operating Weight	ka Ibs	19498 42974
		ID2	72314

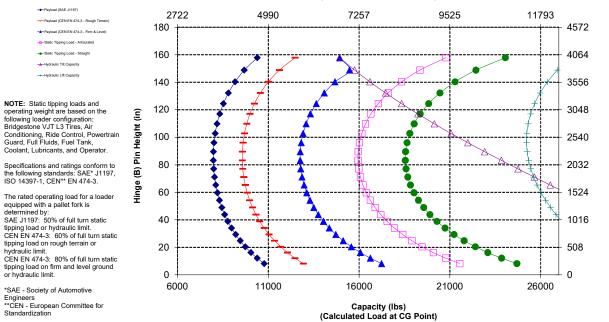


\*Negative values indicate below grade

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.







or hydraulic limit.

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

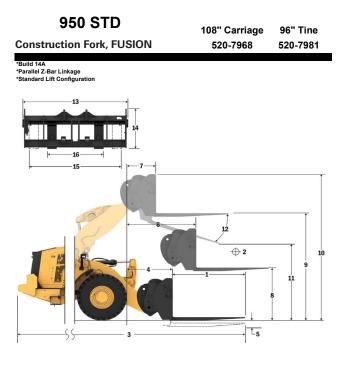
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

## **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	8004
	11 0 0 1 7	lbs	17642
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	6871 15144
		kg	3436
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7572
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4123
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	9087
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5497
	Trace Load (OLIV LIV II TOT IIII and Love Ordana Cover Total)	lbs	12115
3	Maximum Overall Length	mm	9849
		in	387.7 1213
4	Reach with Forks at Ground Level	mm in	47.7
_		mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
	Reach with Arms Horizontal and Forks Level	mm	1744
6	Reach with Arms nonzontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	Trought	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	<u> </u>	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3812 150.1
		mm	4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	1544
11	Clearance at Full Lift and Max Dump	in	60.8
12	Max Discharge Angle from Horizontal	deg	53
	max biomargo raigio nom montental		
13	Overall Carriage Width	mm	2833
	<u>*</u>	in mm	111.5 1130
14	Overall Carriage Height	in	44.5
	O + : 1 T - W: W /	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Outside Tille Width (Hill Spread)	in	23.2
	Tine Width (single tine)	щm	180.0
		in	7.1
	Tine Thickness	mm	90.0 3.5
_		in ka	11300
	Tine Capacity	lbs	24905
	Operating Weight	ka	19561

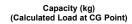


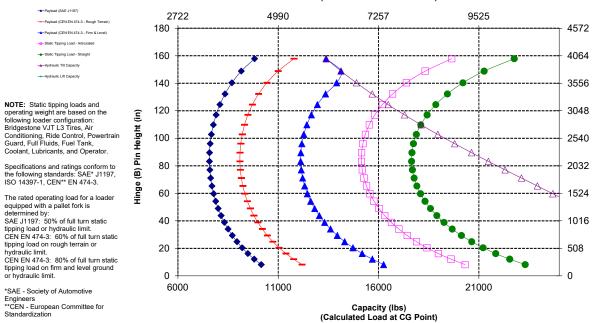
Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator



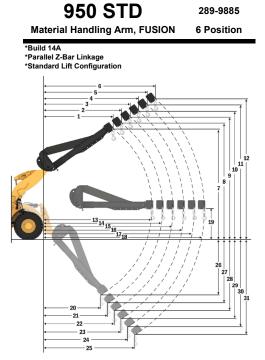




\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

# **Material Handling Arm Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
Manual iffa Library Frontak Decemb (4, 2, 2, 4, 5, C)	mm	2,291	2,429	2,566	2,704	2,842	2,979
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	7' 6"	7' 11"	8' 5"	8' 10"	9' 3"	9' 9"
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	mm	6,852	7,124	7,396	7,668	7,939	8,211
Max Lift - Hook Eyelet Height (7, 6, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 1"	26' 0"	26' 11"
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	mm	4,610	4,915	5,220	5,525	5,829	6,134
	ft, in	15' 1"	16' 1"	17' 1"	18' 1"	19' 1"	20' 1"
evel - Hook Eyelet Height (19)	mm	1,842	1,842	1,842	1,842	1,842	1,842
	ft, in	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	mm	2,416	2,596	2,777	2,957	3,137	3,318
	ft, in	7' 11"	8' 6"	9' 1"	9' 8"	10' 3"	10' 10"
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	mm	(2,593)	(2,839)	(3,085)	(3,330)	(3,576)	(3,822
MIN LIIT - HOOK Eyelet Height (26, 27, 26, 29, 30, 31)	ft, in	-8' 5"	-9' 8"	-10' 10"	-10' 0"	-11' 3"	-12' 5"
Chatie Timing Land Charinha	kg	5,970	5,645	5,353	5,089	4,849	4,629
Static Tipping Load, Straight	lb	13,157	12,442	11,798	11,216	10,687	10,203
Static Tipping Load, Articulated	kg	5,184	4,901	4,646	4,416	4,207	4,016
Static Tipping Load, Articulated	lb	11,425	10,801	10,240	9,733	9,272	8,851
	kg	18,708	18,708	18,708	18,708	18,708	18,708
Operating Weight	lb	41,233	41,233	41,233	41,233	41,233	41,233





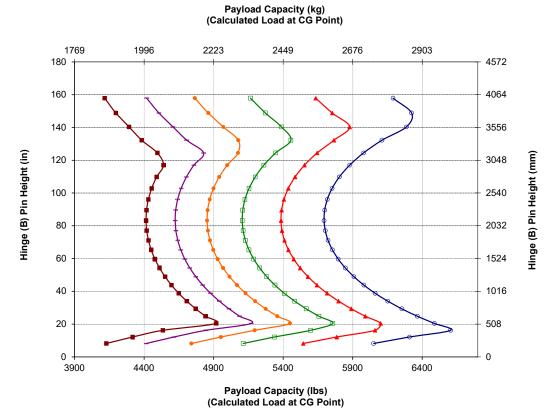
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

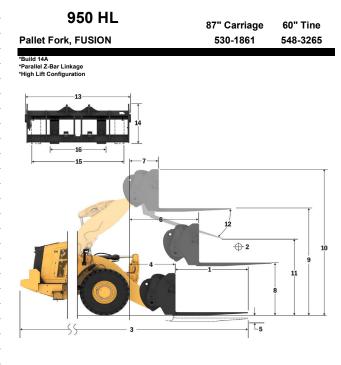
\*SAE - Society of Automotive Engineers



# **Fork Specifications**

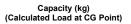
#### **Fork Specifications**

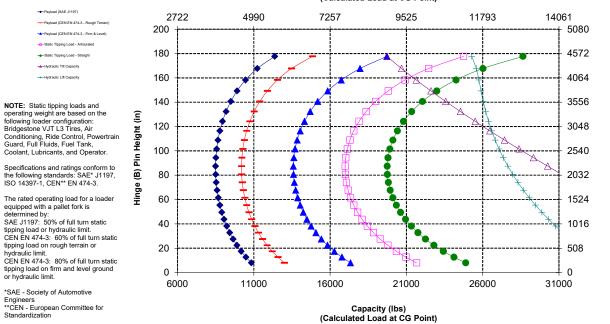
	nk opecinications		
1	Tine Length	mm in	1524 60.0
_		mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	8954
	Static ripping Load - Straight (Forks Level)	lbs	19734
	Static Tipping Load - Articulated (Forks Level)	kg	7704
	Otatic Tipping Load - Articulated (1 Orks Level)	lbs	16980
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3852
	Trained 2000 (07/2 01/01 00/01 10/2)	<u>lbs</u>	8490
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4623
		<u>lbs</u>	10188
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6163
		lbs	13584
3	Maximum Overall Length	mm	9448
	· •	in	372.0
4	Reach with Forks at Ground Level	mm	1697
	·	in	66.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-164
	·	in	-6.5
6	Reach with Arms Horizontal and Forks Level	mm	2127
		in	83.7
7	Reach with Fork at Maximum Height	mm	1072
	<u> </u>	in	42.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
	<u>'</u>	in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4212
		in	165.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4987
		in	196.3 2887
11	Clearance at Full Lift and Max Dump	mm	113.6
	· · · · · · · · · · · · · · · · · · ·	in	113.6
12	Max Discharge Angle from Horizontal	deg	44
		mm	2217
13	Overall Carriage Width	in	87.3
		mm	840
14	Overall Carriage Height	in	33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
		mm	470
16	Outside Tine Width (min spread)	in	18.5
		mm	150.0
	Tine Width (single tine)	in	5.9
		mm	65.0
	Tine Thickness	in	2.6
		ka	6300
	Tine Capacity	lbs	13885
	0 r w::	ka	19611
	Operating Weight	lbs	43222
		103	,ULLL



Hinge (B) Pin Height (mm)

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







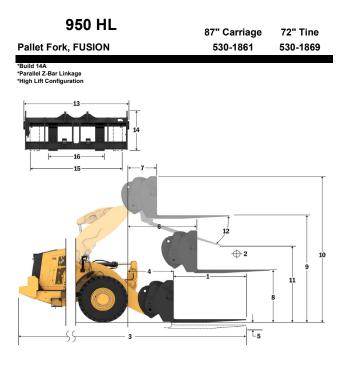
or hydraulic limit.

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

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

	openious		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8553
		lbs ka	18851 7353
	Static Tipping Load - Articulated (Forks Level)	lbs	16206
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3677
	Nateu Loau (SAE 31197 - 30 % F131L)	lbs	8103
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4412
	, ,	lbs ka	9724 5883
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12965
3	Marrian Organiti and the	mm	9754
3	Maximum Overall Length	in	384.0
4	Reach with Forks at Ground Level	mm	1697
_	Trough Will Fortion at Growing 2016	in	66.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-164 -6.5
_		mm	2127
6	Reach with Arms Horizontal and Forks Level	in	83.7
7	Reach with Fork at Maximum Height	mm	1072
<u>'</u>	Treach with tork at Maximum Height	in	42.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
	<u> </u>	in mm	69.7 4212
9	Ground to Top of Tine at Maximum Height and Fork Level	in	165.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4987
10	Overall neight of Fork at Full Lift (top of carnage to ground)	in	196.3
11	Clearance at Full Lift and Max Dump	mm	2675
••	Oldaranoo at i an Ent and max bamp	in	105.3
12	Max Discharge Angle from Horizontal	deg	44
13	Overall Carriage Width	mm	2217 87.3
	<del>-</del>	in mm	840
14	Overall Carriage Height	in	33.1
4 =	Outside Tine Width (max spread)	mm	2070
15	Outside Tifle Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
_	·	in	18.5 150.0
	Tine Width (single tine)	mm in	5.9
	Time Third and	mm	65.0
	Tine Thickness	in	2.6
	Tine Capacity	kg	5246
	····o capacity	lbs	11562
	Operating Weight	kq	19658
	· · ·	lbs	43326



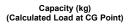
\*Negative values indicate below grade

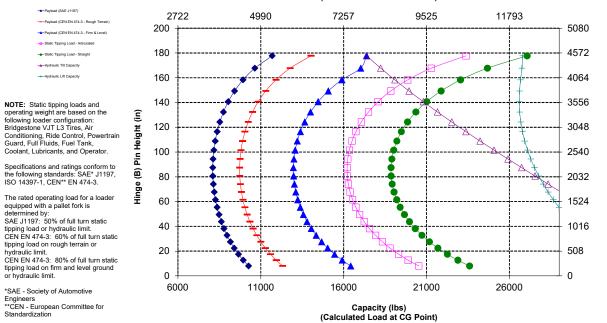
Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

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

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





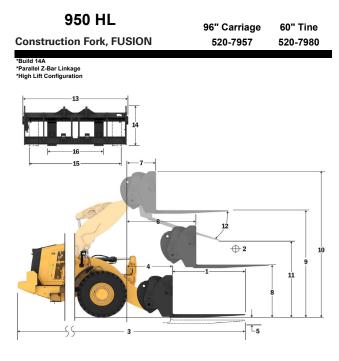
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

## **Fork Specifications**

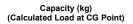
#### **Fork Specifications**

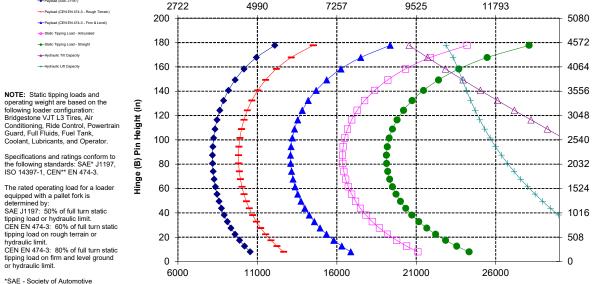
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	8672
	, ,	lbs	19114 7420
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	16353
		kg	3710
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8177
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4452
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	9812
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5936
	Trailor Louis (OLIV LIV III TOTIIII and Love Ordana GovernorL)	lbs	13083
3	Maximum Overall Length	mm	9408
	<del>-</del>	in mm	370.4 1657
4	Reach with Forks at Ground Level	in	65.2
		mm	-83
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
•	Reach with Arms horizontal and Porks Level	in	83.4
7	Reach with Fork at Maximum Height	mm	1064
	Trodon with Fork at Maximum Froight	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	·	in	73.9 4318
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	170.0
	0 1111111111111111111111111111111111111	mm	5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
11	Clearance at Full Lift and Max Dump	mm	2826
•••	Clearance at Full List and Wax Dump	in	111.3
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm in	2528 99.5
		mm	1130
14	Overall Carriage Height	in	44.5
45	Outside Tine Width (max spread)	mm	2178
15	Outside Tille Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Outside time width (min spread)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
	· · · · · · · · · · · · · · · · · · ·		90.0
	Tine Thickness	mm in	3.5
	T 0	ka	17800
	Tine Capacity	lbs	39231
	Operating Weight	kg	19986
	Operating weight	lbs	44049



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade





Capacity (lbs)
(Calculated Load at CG Point)

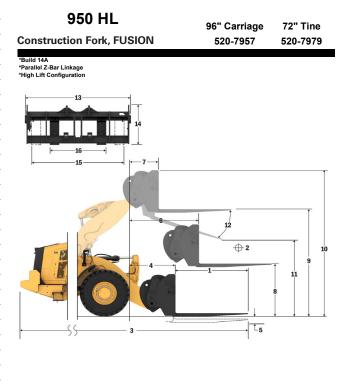
\*SAE - Society of Automotive

Engineers
\*\*CEN - European Committee for



#### **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	8266
	Static ripping Load - Straight (Forks Level)	lbs	18218
	Static Tipping Load - Articulated (Forks Level)	kg	7063
	Otatic Tipping Load - Articulated (Forks Level)	lbs	15566
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3531
	Trailor 2000 (0/12 0/10/ 00/0/ 10/2)	lbs	7783
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4238
	······································	lbs	9340
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5650
	(- , , , , , , , , , , , , , , , , , , ,	lbs	12453
3	Maximum Overall Length	mm	9713
		in	382.4
4	Reach with Forks at Ground Level	mm	1657
	·	in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
		in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
_		in	83.4
7	Reach with Fork at Maximum Height	mm	1064
_	·	in mm	41.9 1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
		mm	4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
		mm	5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
		mm	2592
11	Clearance at Full Lift and Max Dump	in	102.1
12	Max Discharge Angle from Horizontal	deg	50
	0 110 : 147:111	mm	2528
13	Overall Carriage Width	in	99.5
	O	mm	1130
14	Overall Carriage Height	in	44.5
4.5	Outside Tine Width (max spread)	mm	2178
15	Outside Title Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
10	Outside Title Width (Hill Spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	Time Triadit (onigle time)	in	7.1
	Tine Thickness	mm	90.0
	THE ITHORIESS	in	3.5
	Tine Capacity	kg	14800
	- Into Capacity	lbs	32619
	Operating Weight	kq	20047
		lbs	44183



Payload (CEN EN 474-3 - Firm & Level

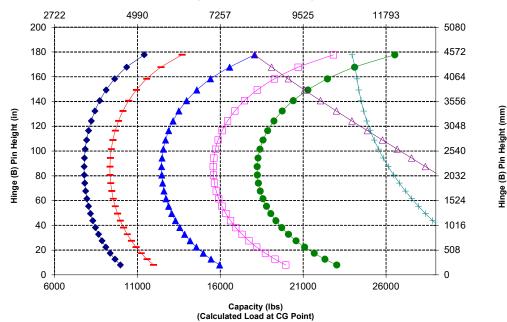
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

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 firm and level ground or hydraulic limit.

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





or hydraulic limit.

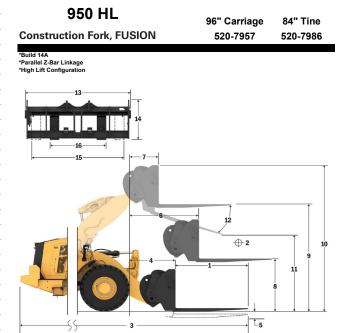
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Certier	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	7884
	11 0 0 1 /	lbs	17376 6726
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14825
	D-4-41 (CAE 14407 FOO( FTOTI )	kg	3363
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7413
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4036
	Traced Educ (OETT ETT TO Trough Totalli OO 70 TOTE)	lbs	8895
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5381 11860
	** * * * * * * * * * * * * * * * * * * *	mm	10018
3	Maximum Overall Length	in	394.4
4	Reach with Forks at Ground Level	mm	1657
	Treach with Forks at Ground Level	in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
		in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm in	2119 83.4
_	B 1 3/5 1 1M 1 1/1/1/1	mm	1064
7	Reach with Fork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	Creatia to Top of Tillo Mary Milo Horizontal and Folk 2010.	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4318
		mm	170.0 5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
11	Clearance at Full Lift and Max Dump	mm	2358
	Clearance at Full Lift and Wax Dunip	in	92.8
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2528
	Overall Carriage Wilder	in	99.5
14	Overall Carriage Height	mm	1130 44.5
		in mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
10	Outside Title Width (Initit Spread)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
		mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12700
	тіпе Оараоку	lbs	27991
	Operating Weight	kg	20110
	-1 0 0	lbs	44322

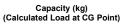


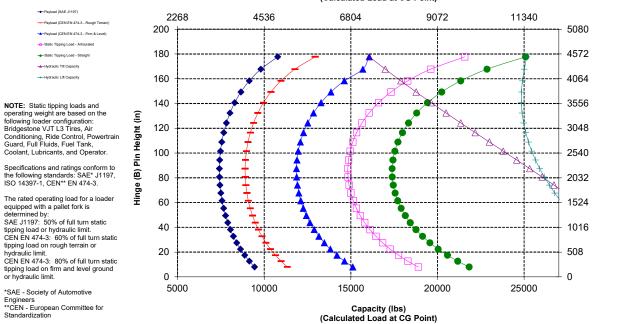
Hinge (B) Pin Height (mm)

- Payload (CEN EN 474-3 - Rough Ter

Coolant, Lubricants, and Operator.

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







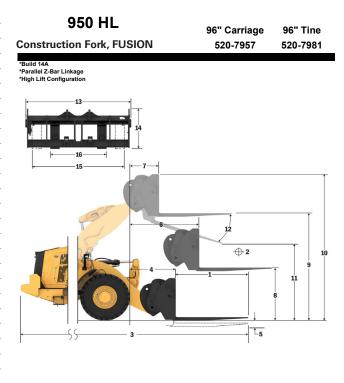
or hydraulic limit.

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

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

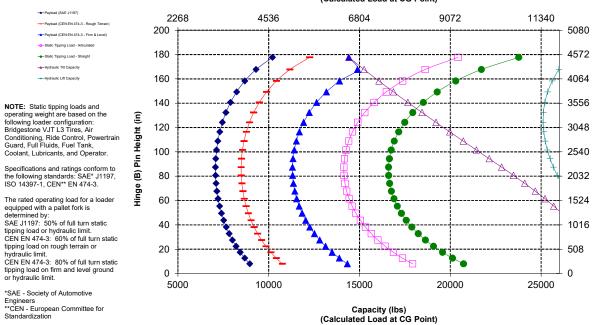
	nk opecinications		
1	Tine Length	mm in	2438 96.0
	Land Contra	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	7528
	Static Tipping Load - Straight (Forks Level)	lbs	16592
	Static Tipping Load - Articulated (Forks Level)	kg	6412
		lbs	14133
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3206
	,	lbs	7067 3847
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8480
		kg	5130
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	11306
_		mm	10322
3	Maximum Overall Length	in	406.4
4	Reach with Forks at Ground Level	mm	1657
4	Reach with Forks at Ground Level	in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
	Clound to Bottom of Time at William Treight and Fork Level	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
	Trouble Will 7 till 5 Florizontal and 1 onto 2010	in	83.4
7	Reach with Fork at Maximum Height	mm	1064
		in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	<u> </u>	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4318 170.0
		mm	5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
		mm	2125
11	Clearance at Full Lift and Max Dump	in	83.7
42	May Discharge Angle from Harizantel		
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2528
-13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	Overlain Garriago Froigni	in	44.5
15	Outside Tine Width (max spread)	mm	2178
	· ' ' '	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
		mm	180.0
	Tine Width (single tine)	in	7.1
	Time Thirdeness	mm	90.0
	Tine Thickness	in	3.5
	Tine Conseits	kg	11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	20172
	Operating Weight	lbs	44459



\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

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



\*SAE - Society of Automotive

Engineers
\*\*CEN - European Committee for

Coolant, Lubricants, and Operator



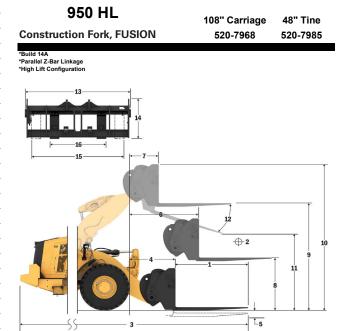
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

## **Fork Specifications**

#### **Fork Specifications**

	openione		
1	Tine Length	mm in	1219 48.0
_	Land Contra	mm	610
2	Load Center	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	9070
	Citato ripping Load - Citatgrit (1 Onto Lover)	lbs	19991
	Static Tipping Load - Articulated (Forks Level)	kg	7765
	, ,	lbs kg	17114 3882
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8557
	D	kg	4659
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	1026
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6212
	Nated Load (CEN EN 474-3 Fillil and Level Glound - 80 % F131L)	lbs	1369
3	Maximum Overall Length	mm	9103
_	That and the state of the state	in	358.4
4	Reach with Forks at Ground Level	mm	1657
		in	65.2 -83
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-os -3.3
_		mm	2119
6	Reach with Arms Horizontal and Forks Level	in	83.4
7	Reach with Fork at Maximum Height	mm	1064
′	Reach with Fork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_	Cround to rop or time many time riorizontal and rom zoror	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4318
		in	170.0 5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	210.9
		mm	3060
11	Clearance at Full Lift and Max Dump	in	120.5
40	Mary Disabassas Assala francislasionetal		
12	Max Discharge Angle from Horizontal	deg	50
12	Overall Carriage Width	mm	2833
	Overall Gallage vilati	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5 2493
15	Outside Tine Width (max spread)	mm in	98.1
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Time (Middle (circulations)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THERESE	in	3.5
	Tine Capacity	kq	2220
	- 1 - 7	lbs	4892
	Operating Weight	kq	1997
	<u> </u>	lbs	4402



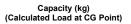
Hinge (B) Pin Height (mm)

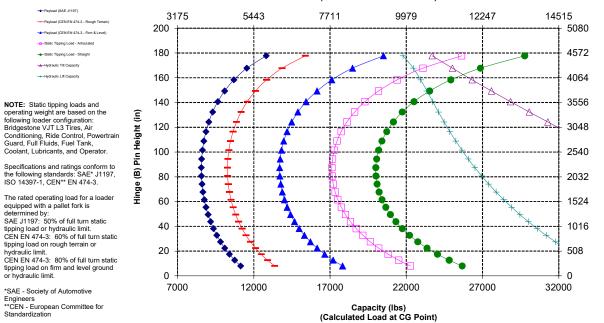
- Payload (CEN EN 474-3 - Rough Ter

Coolant, Lubricants, and Operator.

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

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







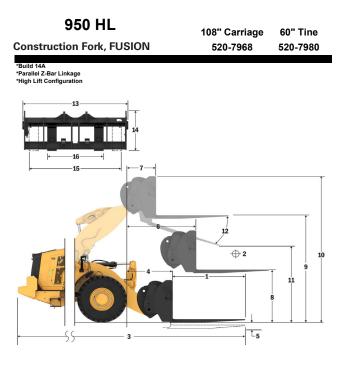
or hydraulic limit.

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

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

	ik opecifications		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	8636
	Otatio ripping Load - Otatignt (Fond Level)	lbs	19033
	Static Tipping Load - Articulated (Forks Level)	kg	7383
	· · · · · · · · · · · · · · · · · · ·	lbs	16273 3692
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	8137
		ka	4430
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9764
	D	kg	5907
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13018
3	Maximum Overall Length	mm	9408
	Maximum Overali Lengti	in	370.4
4	Reach with Forks at Ground Level	mm	1657
	Treadil Will I dillo at didula Ecvel	in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
_	Ordana to Bottom of Time at Himminan Freight and Fort Earth	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
_		in	83.4
7	Reach with Fork at Maximum Height	mm	1064
_	<u> </u>	in mm	41.9 1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
_		mm	4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
40	Occupation of Four of Four its (form of coming to the control)	mm	5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
11	Clearance at Full Lift and Max Dump	mm	2826
• • •	Clearance at Full Lift and Max Dump	in	111.3
12	Max Discharge Angle from Horizontal	deg	50
	Max Disorarge 7 rigio from Fronzontal		
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Ti \A/i-dat- (-i1ai)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	17800
	Tillo Oupuoity	lbs	39231
	Operating Weight	kq	20035
		lbs	44157



\*Negative values indicate below grade

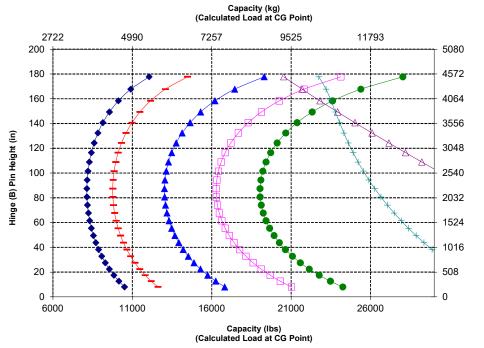


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator Coolant, Lubricants, and Operator

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





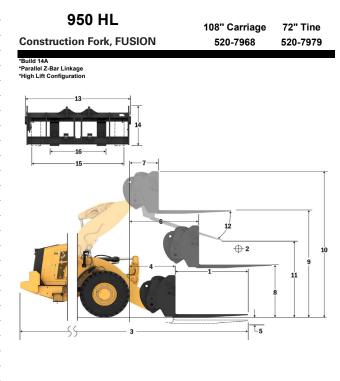
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

# **Fork Specifications**

#### **Fork Specifications**

	nk opecinications		
1	Tine Length	mm	1829 72.0
_		in mm	915
2	Load Center	in	36.0
	Otatia Timeira I and Otacials (Forder I accel)	kg	8230
	Static Tipping Load - Straight (Forks Level)	lbs	18139
	Static Tipping Load - Articulated (Forks Level)	kg	7027
	Static ripping Load - Articulated (Forks Level)	lbs	15487
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3513
	Traice Edad (G/IE 01101 - 00/01 101E)	lbs	7743
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4216
	Traited Edda (OETT ETT TO Trough Torrain OO 70 TO TE)	lbs	9292
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5621
		lbs	12389
3	Maximum Overall Length	ḿш	9713
	· •	in	382.4
4	Reach with Forks at Ground Level	mm	1657
		in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
		in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
		in	83.4
7	Reach with Fork at Maximum Height	mm	1064
_	· · · · · · · · · · · · · · · · · · ·	in mm	41.9 1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
		mm	4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
		mm	5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
		mm	2592
11	Clearance at Full Lift and Max Dump	in	102.1
	W 8: 1 A 1 ( W : 1)		
12	Max Discharge Angle from Horizontal	deg	50
42	Overall Carriage Width	mm	2833
13	Overall Carriage Width	in	111.5
11	Overall Carriage Height	mm	1130
14	Overall Carriage neight	in	44.5
15	Outside Tine Width (max spread)	mm	2483
13	Odiside Title Widit (Illax Spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Outside Title Width (milit spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	This Trial (single this)	in	7.1
	Tine Thickness	mm	90.0
	***************************************	in	3.5
	Tine Capacity	kg	14800
	····- e-py	lbs	32619
	Operating Weight	ka	20097
	-1 5 5	lbs	44293



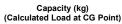
Payload (CEN EN 474-3 - Firm & Level

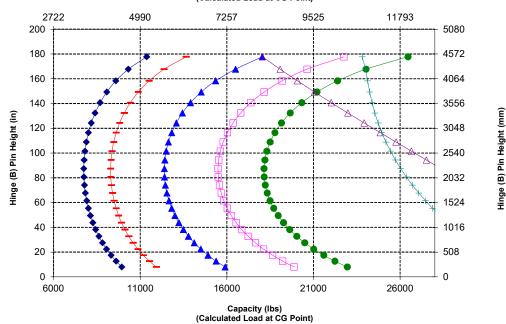
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

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 firm and level ground or hydraulic limit.







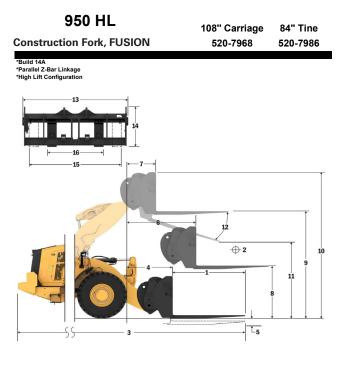
or hydraulic limit.

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

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

	opoomounomo		
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	7850
		lbs	17302
	Static Tipping Load - Articulated (Forks Level)	kg lbs	6693 14751
		kg	3346
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7375
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4016
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	8850
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5354
	rtated Edda (OEIV EIV 474-0 Film and Edver Glodina - 0070 Filo TE)	lbs	11801
3	Maximum Overall Length	mm	10018
_	· •	in	394.4
4	Reach with Forks at Ground Level	mm in	1657 65.2
_		mm	-83
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.3
_	Decelorable Association and Federal and	mm	2119
6	Reach with Arms Horizontal and Forks Level	in	83.4
7	Reach with Fork at Maximum Height	mm	1064
<u>'</u>	Treach with Fork at Maximum Fleight	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_	<u>' '</u>	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4318 170.0
		mm	5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
	Olesses of Full III and Man Down	mm	2358
11	Clearance at Full Lift and Max Dump	in	92.8
12	Max Discharge Angle from Horizontal	deg	50
12	Wax Discharge Angle Iron Honzontal		
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 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	kg	12700
_		lbs ka	27991 20159
	Operating Weight	lbs	44430
_		105	77430



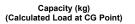
\*Negative values indicate below grade

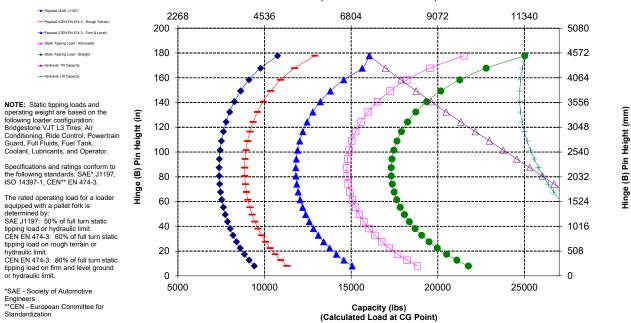
Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

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

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



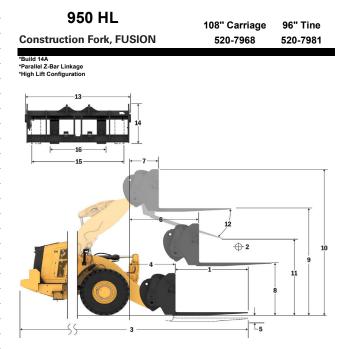




## **Fork Specifications**

#### **Fork Specifications**

	opeomeaneme		
1	Tine Length	mm in	2438 96.0
_	1 10 1	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	7495
	Otatio ripping Load - Otalght (Forto Level)	lbs	16518
	Static Tipping Load - Articulated (Forks Level)	kg	6379
	, ,	lbs kg	14059 3190
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7030
	Detect   cod (OEN EN 474 0 Decemb Terreita COO) (FTOTI )	kg	3827
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	8436
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5103
	Nated Load (OLIV LIV 474-51 IIIII alid Level Gloding - 00 /61 151L)	lbs	11248
3	Maximum Overall Length	mm	10322
	· •	in	406.4
4	Reach with Forks at Ground Level	mm in	1657 65.2
		mm	-83
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.3
_	Reach with Arms Horizontal and Forks Level	mm	2119
6	Reach with Arms Honzontal and Porks Level	in	83.4
7	Reach with Fork at Maximum Height	mm	1064
	Troubit Mari on at maximum rioign	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	<u> </u>	in	73.9 4318
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	170.0
	0 111:11:75   15 11:76   7   1   1   1   1   1   1   1   1   1	mm	5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
11	Clearance at Full Lift and Max Dump	mm	2125
	Clearance at 1 dir Elit and Max Dump	in	83.7
12	Max Discharge Angle from Horizontal	deg	50
	<u> </u>	mm	2833
13	Overall Carriage Width	in	2033 111.5
		mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
-10	Outside Tille Width (Max Spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Ti Thi-l	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	11300
	тие Сараску	lbs	24905
	Operating Weight	kg	20222
	±L-100	lbs	44569



Hinge (B) Pin Height (mm)

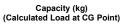
Payload (CEN EN 474-3 - Firm & Level)

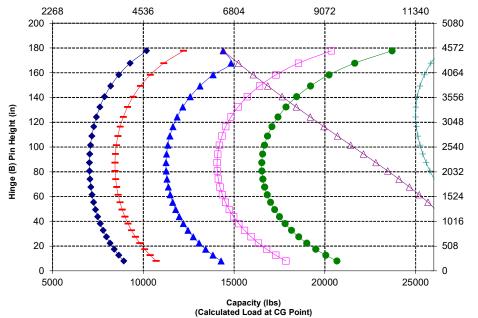
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

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 firm and level ground or hydraulic limit.







or hydraulic limit.

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

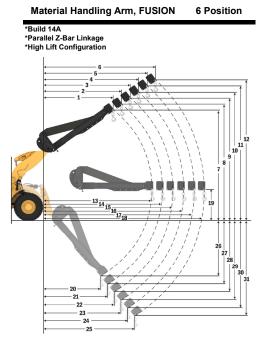
<sup>\*</sup>Negative values indicate below grade

950 HL

289-9885

# **Material Handling Arm Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
	mm	2,445	2,594	2,743	2,892	3,041	3,189
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	8' 0"	8' 6"	8' 11"	9' 5"	9' 11"	10' 5"
Manualiffa Llands Established (7, 0, 0, 40, 44, 40)	mm	7,283	7,549	7,815	8,081	8,347	8,613
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	23' 10"	24' 9"	25' 7"	26' 6"	27' 4"	28' 3"
Lavel Harly Evelet Beach (42, 44, 45, 46, 47, 40)	mm	4,985	5,290	5,595	5,900	6,204	6,509
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	16' 4"	17' 4"	18' 4"	19' 4"	20' 4"	21' 4"
Level Healt Friday Height (40)	mm	1,842	1,842	1,842	1,842	1,842	1,842
Level - Hook Eyelet Height (19)	ft, in	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"
AF 1.77 11 1.5 1.18 1.400 04 00 00 04 05	mm	2,812	2,987	3,161	3,336	3,510	3,685
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	9' 2"	9' 9"	10' 4"	10' 11"	11' 6"	12' 1"
Min Life Linear Francisch (20, 27, 20, 20, 20, 24)	mm	(2,638)	(2,888)	(3,138)	(3,388)	(3,638)	(3,888
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-8' 4"	-9' 6"	-10' 8"	-11' 10"	-11' 0"	-12' 2"
Charles Timping Lond Charlesh	kg	5,788	5,492	5,224	4,980	4,758	4,553
Static Tipping Load, Straight	lb	12,756	12,104	11,514	10,977	10,486	10,036
Static Tinning Lond Actionlated	kg	4,993	4,737	4,505	4,294	4,102	3,925
Static Tipping Load, Articulated	lb	11,006	10,441	9,930	9,465	9,040	8,650
Otir Weight	kg	19,369	19,369	19,369	19,369	19,369	19,369
Operating Weight	lb	42,689	42,689	42,689	42,689	42,689	42,689





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.

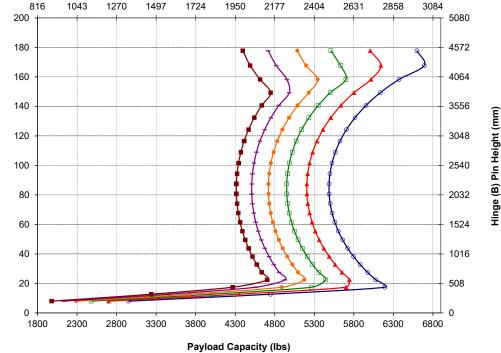
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1 Hinge (B) Pin Height (in)

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

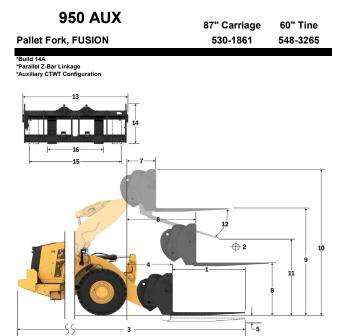
# Payload Capacity (kg) (Calculated Load at CG Point) 43 1270 1497 1724 1950 2177 2



## **Fork Specifications**

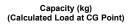
#### **Fork Specifications**

10	ik opecifications		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	10234
		lbs kg	22556 8847
	Static Tipping Load - Articulated (Forks Level)	lbs	19498
	D-1-111/04E 14407 F00/ FT0TL)	ka	4423
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9749
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5308
	Trace 2000 (OZIT ZIT II FORTCUIGH TOTAM OOM FEEL)	lbs	11699
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7077 15598
		mm	9009
3	Maximum Overall Length	in	354.7
4	Reach with Forks at Ground Level	mm	1258
-	Reacti with Forks at Glound Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-160
	· <u>y</u>	in	-6.3
6	Reach with Arms Horizontal and Forks Level	mm in	1752 69.0
_	5 1 3 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	1037
7	Reach with Fork at Maximum Height	in	40.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
Ů	Ground to Top of Time with Arms Horizontal and Fork Level	in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	ḿш	3707
	· · · · · · · · · · · · · · · · · · ·	in mm	145.9 4482
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	176.4
	Oleanna at Full Life and Man Down	mm	2327
11	Clearance at Full Lift and Max Dump	in	91.6
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	2217
		in mm	87.3 840
14	Overall Carriage Height	in	33.1
4-	Outside Time Middle (seem and all)	mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
	<del></del>	in	18.5
	Tine Width (single tine)	mm in	150.0 5.9
		mm	65.0
	Tine Thickness	in	2.6
	Tine Capacity	kg	6300
	ппе Сараску	lbs	13885
	Operating Weight	kg	19360
		lbs	42670

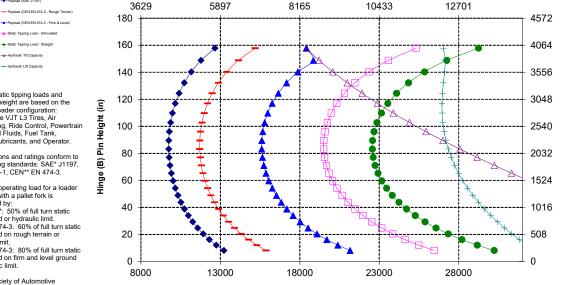


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade



Capacity (lbs)
(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.

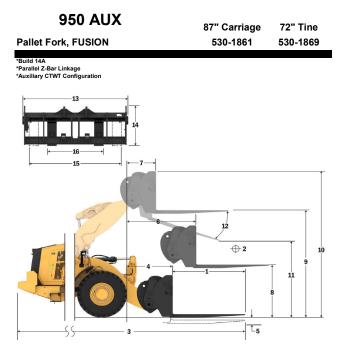
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on from the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

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



#### **Fork Specifications**

	•		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9741
	, , , , , , , , , , , , , , , , , , ,	lbs ka	21470 8414
	Static Tipping Load - Articulated (Forks Level)	lbs	18545
	D-t-111(0AE 14407, F00/ FT0TL)	kg	4207
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9273
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5049
	Traica Load (OLIV LIV 474-0 Roagii Terraiii - 00% 1 TOTL)	lbs	11127
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6732
	,	lbs	14836 9315
3	Maximum Overall Length	mm in	366.7
		mm	1258
4	Reach with Forks at Ground Level	in	49.5
_	*One and to Dottom of Time of Minimum Height and Fools Lovel	mm	-160
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-6.3
6	Reach with Arms Horizontal and Forks Level	mm	1752
•	Neach with Annis Honzontal and Forks Level	in	69.0
7	Reach with Fork at Maximum Height	mm	1037
_	<u> </u>	in	40.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1772 69.7
		mm	3707
9	Ground to Top of Tine at Maximum Height and Fork Level	in	145.9
40	O	mm	4482
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	176.4
11	Clearance at Full Lift and Max Dump	mm	2105
• • •	Olearance at 1 uli Liit and Max Bump	in	82.9
12	Max Discharge Angle from Horizontal	deg	47
			2217
13	Overall Carriage Width	mm in	87.3
		mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
13	Outside Tille Width (Max Spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
		in	18.5
	Tine Width (single tine)	mm in	150.0 5.9
		mm	65.0
	Tine Thickness	in	2.6
	Tine Canacity	ka	5246
	Tine Capacity	lbs	11562
	Operating Weight	kg	19407
	Operating Freight	lbs	42774

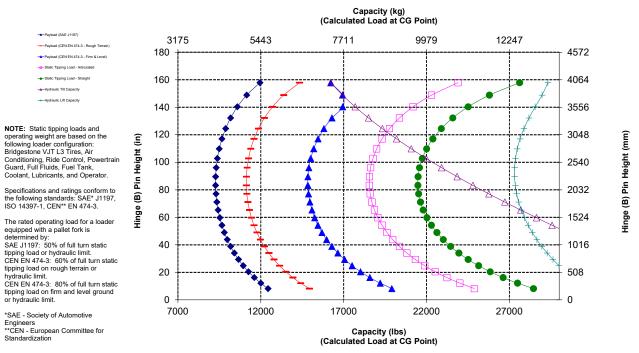


\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

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

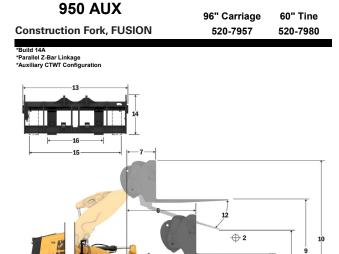




## **Fork Specifications**

#### **Fork Specifications**

2 Load Center	_	opoomouto		
2 Load Center	1	Tine Length		1524
Static Tipping Load - Straight (Forks Level)   kg   9966   lbs   21966   lbs   21869   lbs   3899   lbs   3899   4804   lbs   3450   lbs   3450   lbs   3450   lbs   3450   lbs   3450   lbs   34514   lbs   3450   lbs   34	_	Lood Contar		
Static Tipping Load - Straight (Forks Level)   Ibs   2196		Load Center	in	30.0
Static Tipping Load - Articulated (Forks Level)   Ips   2190   1889   8575   1889   8575   1889   8575   1889   8575   1889   8575   1889		Static Tipping Load - Straight (Forks Level)		9966
Rated Load (SAE J1197 - 50% FTSTL)   Ibs   1889    Rated Load (SAE J1197 - 50% FTSTL)   Ibs   9450    Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   9450    Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   13134    Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1511    3 Maximum Overall Length   Imm   8964   Ibs   1511    4 Reach with Forks at Ground Level   Imm   1213   Ibs   1515    5 *Ground to Bottom of Tine at Minimum Height and Fork Level   Imm   1744   Ibs   Ibs		State Tipping Load Statignt (1 State Lotter)		
Rated Load (SAE J1197 - 50% FTSTL)		Static Tipping Load - Articulated (Forks Level)		
Rated Load (SEA STI97 - 50% FTSTL)   Ibs   9450		· · · · · · · · · · · · · · · · · · ·		
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)		Rated Load (SAE J1197 - 50% FTSTL)		
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1134t		D-4-414 (OFN EN 474 0 D-111 T-111-11 C00/ FT0TL)		5145
State   Stat		Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)		11340
Maximum Overall Length		Pated Load (CEN EN 474-3 Firm and Level Ground - 80% ETSTL)	kg	6860
3		Trated Load (OLIV LIV 474-51 IIIII and Level Olodina - 00701 101L)	lbs	15119
Reach with Forks at Ground Level   mm   1213   mm   7.75   mm	3	Maximum Overall Length		8964
4 Reach with Forks at Ground Level   in   47.7     5 *Ground to Bottom of Tine at Minimum Height and Fork Level   in   -3.1     6 Reach with Arms Horizontal and Forks Level   in   68.7     7 Reach with Fork at Maximum Height   in   10.2     8 Ground to Top of Tine with Arms Horizontal and Fork Level   in   18.7     9 Ground to Top of Tine at Maximum Height and Fork Level   in   150.1     10 Overall Height of Fork at Full Lift (top of carriage to ground)   in   191.1     11 Clearance at Full Lift and Max Dump   in   22.7     12 Max Discharge Angle from Horizontal   deg   53     13 Overall Carriage Width   in   99.5     14 Overall Carriage Height   in   44.5     15 Outside Tine Width (max spread)   in   44.5     16 Outside Tine Width (min spread)   in   21.7     17 Ine Width (single tine)   in   7.1     18 Tine Capacity   Name   18.0     19 Ouerating Wighth   In   18.0     10 Outside Tine Wighth (max spread)   in   18.0     11 Tine Thickness   mm   90.0     12 Operating Wighth   loss   3.5     18 Tine Capacity   loss   39.3     18 Operating Wighth   loss   39.3     18 Operating W	_	That in a to take to the total and tota		
5 *Ground to Bottom of Tine at Minimum Height and Fork Level         mm         -79           6 Reach with Arms Horizontal and Forks Level         mm         1744           7 Reach with Fork at Maximum Height         mm         1024           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm         1877           9 Ground to Top of Tine with Arms Horizontal and Fork Level         mm         381           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm         485           11 Clearance at Full Lift and Max Dump         mm         2272           12 Max Discharge Angle from Horizontal         deg         53           13 Overall Carriage Width         mm         2528           14 Overall Carriage Height         mm         1130           15 Outside Tine Width (max spread)         mm         2178           16 Outside Tine Width (min spread)         mm         576           Tine Width (single tine)         mm         1800           Tine Thickness         mm         90.           Tine Capacity         lbs         3923           Operating Weight         sq.0	4	Reach with Forks at Ground Level		
10   10   10   10   10   10   10   10				
6         Reach with Arms Horizontal and Forks Level         mm (82,7) (82,7)         1744 (10,8)           7         Reach with Fork at Maximum Height         mm (1029) (10,9)         1029 (10,9)           8         Ground to Top of Tine with Arms Horizontal and Fork Level (10,10)         mm (10,10)         381 (10,10)           9         Ground to Top of Tine at Maximum Height and Fork Level (10,10)         mm (150,10)         150,10           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm (227,20)         191,10           11         Clearance at Full Lift and Max Dump         in (39,5)         39,5           12         Max Discharge Angle from Horizontal         deg (53)         53           13         Overall Carriage Width (10,10)         mm (13,10)         11,20           14         Overall Carriage Height         mm (13,10)         11,20           15         Outside Tine Width (max spread)         mm (27,20)         21,72           16         Outside Tine Width (min spread)         mm (27,20)         21,72           17         Tine Width (single tine)         mm (27,20)         18,00           18         Outside Tine Width (min spread)         mm (27,20)         21,00           16         Outside Tine Width (min spread)         mm (27,20)	5	*Ground to Bottom of Tine at Minimum Height and Fork Level		
10   10   10   10   10   10   10   10	_			
7         Reach with Fork at Maximum Height         mm (1028) in (40.5)           8         Ground to Top of Tine with Arms Horizontal and Fork Level in (73.9)         mm (3812) in (73.9)           9         Ground to Top of Tine at Maximum Height and Fork Level in (73.9)         mm (3812) in (150.1)           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm (2872) in (191.1)           11         Clearance at Full Lift and Max Dump         mm (2272) in (89.5)           12         Max Discharge Angle from Horizontal         deg (53)           13         Overall Carriage Width         mm (2522) in (45.5)           14         Overall Carriage Height         mm (2722) in (45.5)           15         Outside Tine Width (max spread)         mm (2722) in (82.7)           16         Outside Tine Width (min spread)         mm (876) in (87.2)           Tine Width (single tine)         mm (80.0) in (7.1)           Tine Thickness         mm (90.0) in (7.1)           Tine Capacity         las (3.923) in (3.923)           Operating Weight         May (1972)	6	Reach with Arms Horizontal and Forks Level		
A Q-5	-	Described from the Manifestor Helicite		
9   Ground to Top of Time with Aritis Holizontal and Fork Level   in   73.9     9   Ground to Top of Time at Maximum Height and Fork Level   in   150.1     10   Overall Height of Fork at Full Lift (top of carriage to ground)   in   191.5     11   Clearance at Full Lift and Max Dump   in   89.5     12   Max Discharge Angle from Horizontal   deg   53     13   Overall Carriage Width   in   99.5     14   Overall Carriage Height   in   141.5     15   Outside Tine Width (max spread)   in   89.7     16   Outside Tine Width (min spread)   in   82.7     17   Tine Width (single tine)   in   7.1     17   Tine Thickness   mm   180.6     18   17.8     19   18   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19   18   18     19	1	Reach with Fork at Maximum Height		40.5
9   Ground to Top of Tine at Maximum Height and Fork Level   mm   3812     10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   4853     11   Clearance at Full Lift and Max Dump   mm   2272     12   Max Discharge Angle from Horizontal   deg   53     13   Overall Carriage Width   mm   2528   in   99.5     14   Overall Carriage Height   mm   1130   in   44.5     15   Outside Tine Width (max spread)   mm   2178   in   8576     16   Outside Tine Width (min spread)   mm   576   in   22.7     17   Tine Width (single tine)   mm   180.0   in   7.1     17   Tine Thickness   mm   90.0   in   3.5     18   Tine Capacity   los   3923	Q	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
150.1   150.	_	Ground to Top of Time with Arms Horizontal and Fork Level	in	73.9
150.1   150.	9	Ground to Top of Tine at Maximum Height and Fork Level		
1916   1917   1918   1919		- 1		
11 Clearance at Full Lift and Max Dump   mm   2272   ns   89.5     12 Max Discharge Angle from Horizontal   deg   53     13 Overall Carriage Width   mm   2528   ns   99.5     14 Overall Carriage Height   mm   1130   ns   44.5     15 Outside Tine Width (max spread)   mm   2178   ns   85.7     16 Outside Tine Width (min spread)   mm   576   ns   22.7     17 Tine Width (single tine)   mm   180.0   ns   7.1     17 Tine Thickness   mm   90.0   ns   3.5     18 Tine Capacity   kg   1780   ns   39.3     Operating Weight   se   1973   ns   1975	10	Overall Height of Fork at Full Lift (top of carriage to ground)		
12 Max Discharge Angle from Horizontal   deg   53   53   13   Overall Carriage Width   mm   2528   in   99.5   14   Overall Carriage Height   mm   1130   in   44.5   15   Outside Tine Width (max spread)   mm   2178   in   85.7   16   Outside Tine Width (min spread)   mm   576   in   22.7   Tine Width (single tine)   mm   180.0   in   7.1   1   Tine Thickness   mm   90.0   in   3.5   Tine Capacity   kg   1780   Onerating Weight   kg   1973   Operating Weight   kg   1973   17   17   Operating Weight   kg   1973   17   17   17   17   17   17   17				
12 Max Discharge Angle from Horizontal         deg         53           13 Overall Carriage Width         mm         2528 in         99.5           14 Overall Carriage Height         mm         113 in         44.5           15 Outside Tine Width (max spread)         mm         217 in         85.7           16 Outside Tine Width (min spread)         mm         376 in         22.7           Tine Width (single tine)         mm         180.0 in         7.1           Tine Thickness         mm         90.0 in         3.5           Tine Capacity         kq         1780 in           Operating Weight         kq         1780 in           Operating Weight         kq         1973 in	11	Clearance at Full Lift and Max Dump		
3 Overall Carriage Width				
14   Overall Carriage Width   nm   130	12	Max Discharge Angle from Horizontal	deg	53
14 Overall Carriage Height   mm   1133   145   15 Outside Tine Width (max spread)   mm   2176   16 Outside Tine Width (min spread)   mm   576   mm   180.0   mm	12	Overall Carriage Width	mm	2528
44.5     5	13	Overall Carriage Wildli	in	99.5
15 Outside Tine Width (max spread)   16 Outside Tine Width (min spread)   17   18   18   18   18   18   18   18	14	Overall Carriage Height		1130
16 Outside line Width (min spread)   in   85.7     16 Outside Tine Width (min spread)   mm   576     17   17   17   17   17   17     18   18   18   18     19   18   18     19   18   18     19   18   18     19		O TOTAL CATTAGO TIONGIA		
16 Outside Tine Width (min spread)         mm 576 in 22,7 in 2	15	Outside Tine Width (max spread)		
Tine Width (single tine)   mm   180.0   mm		, , ,		
Tine Width (single tine)         mm in 7.1 mm in 7.1           Tine Thickness         im 90.0 mm in 3.5           Tine Capacity         kg 17800 mm in 3923 mm in	16	Outside Tine Width (min spread)		
Tine Width (single line)         in         7.1           Tine Thickness         im         90.0           Tine Capacity         kq         1780           Onerating Weight         kq         1973				
Tine Thickness         mm         90.0           in         3.5           Tine Capacity         kq         1780           Operating Weight         kg         1973		line Width (single tine)		
In 3.5   Tine Capacity   kg   1780(   lbs 3923   Congrating Weight   kg   1973)		Tine Thielman	mm	90.0
Ibs   3923		THE THICKNESS		
Operating Weight kg 1973:		Tine Canacity	kg	17800
		тиго Оприону	lbs	39231
lbs 4349		Operating Weight		19735
		-F	lbs	43497



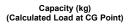
Ĺ<sub>5</sub>

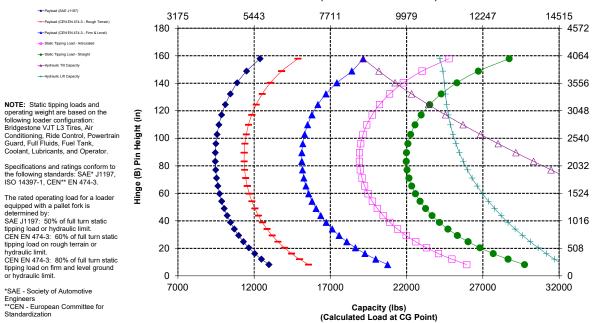
Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator



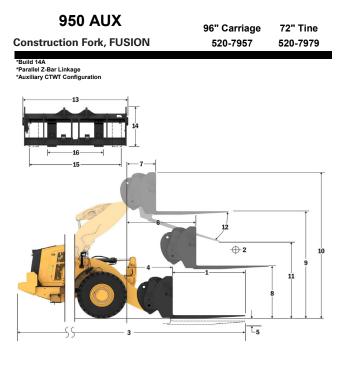




\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

#### **Fork Specifications**

. •	n opecinications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9468
	State Tipping Load Statignt (1 State Lotter)	lbs	20867
	Static Tipping Load - Articulated (Forks Level)	kg	8137 17934
	· · · · · · · · · · · · · · · · · · ·	lbs kg	4068
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8967
		ka	4882
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10760
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6510
	Raied Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	14347
3	Maximum Overall Length	mm	9269
	Waxinan Overali Edilgan	in	364.9
4	Reach with Forks at Ground Level	mm	1213
		in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	<u> </u>	in	-3.1 1744
6	Reach with Arms Horizontal and Forks Level	mm in	68.7
_		mm	1029
7	Reach with Fork at Maximum Height	in	40.5
_	One and the Ten of Time with Americal and Fordal and	mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
	Ordana to Top of Time at Maximum Fleight and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
		in	191.0
11	Clearance at Full Lift and Max Dump	mm	2029
	· !	in	79.9
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2528
	Overdii Odinage viidai	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
	Time Trialit (onigle line)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	14800
	<u> </u>	lbs ka	32619 19796
	Operating Weight	lbs	43631
		เมธ	+3031



\*Negative values indicate below grade





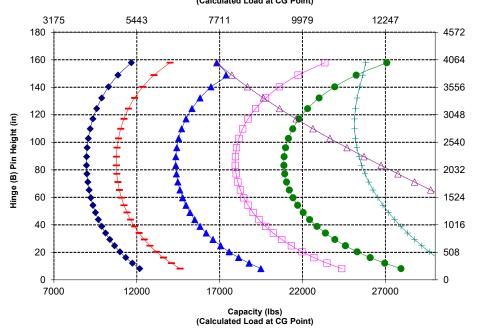
Payload (CEN EN 474-3 - Firm & Level

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





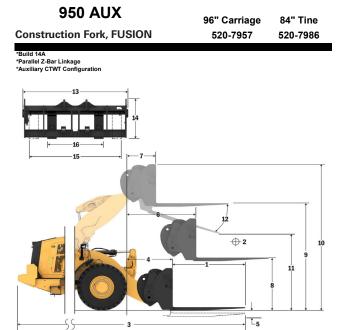
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

## **Fork Specifications**

#### **Fork Specifications**

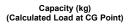
	ik opecifications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Genter	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	9004
	,	lbs ka	19845 7729
	Static Tipping Load - Articulated (Forks Level)	lbs	17034
	D-1-111/04E 14407 F00/ FT0TL)	kg	3864
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8517
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4637
	Traica Edad (OEIT EIT 174 O Hough Terrain - 00% T TOTE)	lbs	10220
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6183
	,	lbs mm	13627 9574
3	Maximum Overall Length	in	376.9
	D 1 31 5 1 10 11 1	mm	1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
- 5	Glound to Bottom of Time at William Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	<u> </u>	in mm	40.5 1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
_	One and to Top of Tip of the set Manifestory Height and Foods Level	mm	3812
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
	everall Height of Fork at Fall Lift (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	1786
	<u>'</u>	in	70.3
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm in	2528 99.5
		mm	1130
14	Overall Carriage Height	in	44.5
4.5	Outside Tine Width (max spread)	mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	· ' ' '	in	22.7 180.0
	Tine Width (single tine)	mm in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	12700
	inia makania	lbs	27991
	Operating Weight	kg	19859
	· · ·	lbs	43770

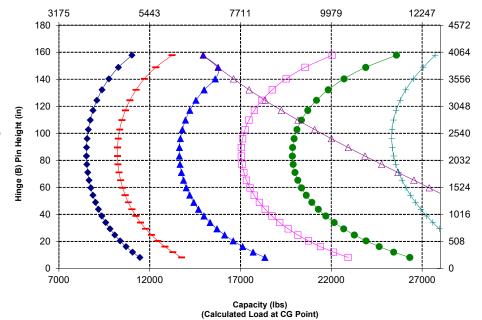


Hinge (B) Pin Height (mm)

\*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.

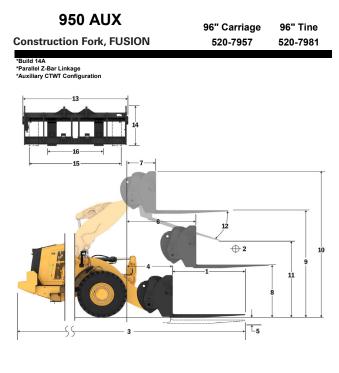
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on from the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

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



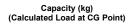
#### **Fork Specifications**

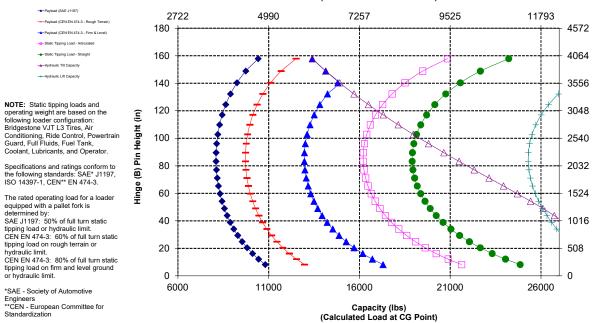
	ik opecifications		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8575
	Otatio ripping Load - Otalight (Forto Level)	lbs	18899
	Static Tipping Load - Articulated (Forks Level)	kg	7351
	· · · · · · · · · · · · · · · · · · ·	lbs	16201
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3675 8100
		ka	4410
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9720
		kg	5880
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12960
_	Manifestora Octobrill and other	mm	9878
3	Maximum Overall Length	in	388.9
4	Reach with Forks at Ground Level	mm	1213
-	Reach with Forks at Glound Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	Ground to Bottom of Time at Milliminant Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
_	Trodon Many and Troncontain and Tomo Eover	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
		in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	<u> </u>	in	73.9 3812
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	150.1
		mm	4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
		mm	1544
11	Clearance at Full Lift and Max Dump	in	60.8
42	May Discharge Angle from Herizontel		
12	Max Discharge Angle from Horizontal	deg	53
12	Overall Carriage Width	mm	2528
10	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
•••	O Totali Darriago Froigric	in	44.5
15	Outside Tine Width (max spread)	mm	2178
	- ( )	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
		mm	180.0
	Tine Width (single tine)	in	7.1
	Time Third was	mm	90.0
	Tine Thickness	in	3.5
	Tino Conocity	kg	11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	19921
	Operating trought	lbs	43907



\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level







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

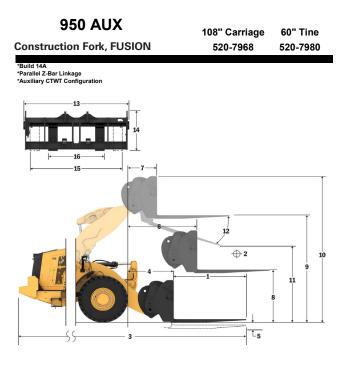
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

## **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm	1524 60.0
2	Load Center	in mm	762
	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9931
		lbs	21888 8540
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	18822
		kg	4270
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9411
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	ka	5124
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)	lbs	11293
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6832
	Trated Load (CEN EN 474-51 IIIII and Level Glound - 00 /01 151E)	lbs	15058
3	Maximum Overall Length	mm	8964
		in	352.9
4	Reach with Forks at Ground Level	mm	1213
		in	47.7 -79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-79
		mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
_	B 1 31 E 1 111 1 11111	mm	1029
7	Reach with Fork at Maximum Height	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
۰	Glound to Top of Time with Arms Honzontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
	Croana to reporting at maximum riolgin and ront zoror	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
	* * * * * * * * * * * * * * * * * * * *	in	191.0 2272
11	Clearance at Full Lift and Max Dump	mm in	89.5
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in mm	97.8 590
16	Outside Tine Width (min spread)	in	23.2
	Time Middle (-in-all- 4in-)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kq	17800
	inc arrany	lbs	39231
	Operating Weight	ka	19784
		lbs	43605

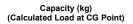


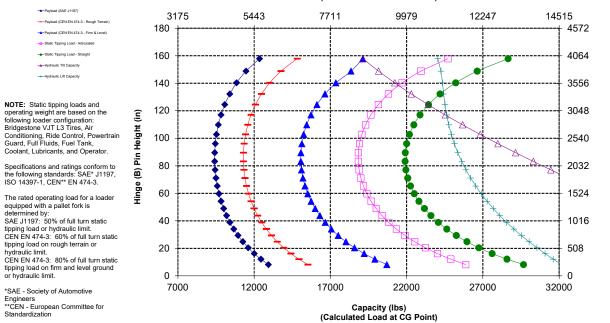
Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator



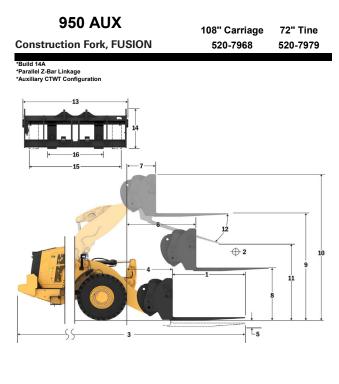




\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

#### **Fork Specifications**

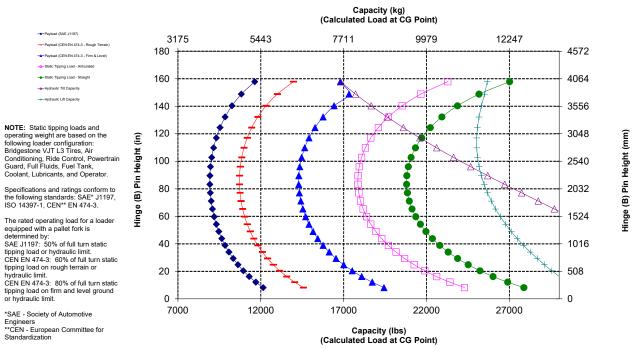
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9433
		lbs	20790 8102
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	17858
		kg	4051
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8929
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4861
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	10715
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6482
		lbs	14286
3	Maximum Overall Length	mm	9269
		in mm	364.9 1213
4	Reach with Forks at Ground Level	in	47.7
		mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
•	Reach with Arms Honzontal and Porks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	Trouble Marie on at maximum riolgin	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	<u> </u>	in mm	73.9 3812
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.1
40	O	mm	4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	2029
	Clearance at Full Lift and Max Dump	in	79.9
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm in	2833 111.5
		mm	1130
14	Overall Carriage Height	in	44.5
45	Outside Tine Width (max spread)	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Outside Time Width (Hill Spread)	in	23.2
	Tine Width (single tine)	mm	180.0 7.1
		in	90.0
	Tine Thickness	mm in	3.5
	Ti 0it-	ka	14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	19846
	Operating weight	lbs	43741



\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator



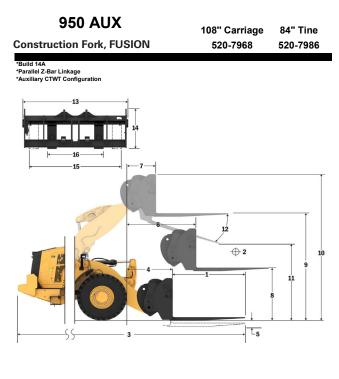


\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

## **Fork Specifications**

#### **Fork Specifications**

. •	in 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	8972
	Class Tipping 2000 Chaight (1 onto 2010)	lbs	19774
	Static Tipping Load - Articulated (Forks Level)	kg	7696 16963
	· · · · · · · · · · · · · · · · · · ·	lbs kg	3848
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8482
	D + 11	ka	4618
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10178
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6157
	Rated Load (CEN EN 474-3 Film and Level Glound - 60 % F131L)	lbs	13570
3	Maximum Overall Length	mm	9574
_	Muximum Overali Edilgar	in	376.9
4	Reach with Forks at Ground Level	mm	1213
	<u> </u>	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79 -3.1
	<u> </u>	in mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
_		mm	1029
7	Reach with Fork at Maximum Height	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
٥	Ground to Top of Title with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
	Ordana to Top of Time at Maximum Troight and Tork Eever	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
	- 0 (1 0 0 7	in	191.0
11	Clearance at Full Lift and Max Dump	mm	1786
	<u>'</u>	in	70.3
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
	Overall Carriage vivali	in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
		mm	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	kq	12700
		lbs	27991
	Operating Weight	kq Ibs	19908 43878
		IDS	430/6

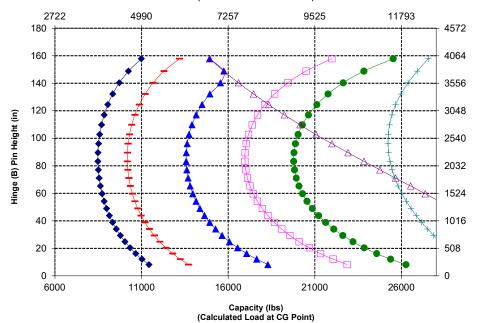


Hinge (B) Pin Height (mm)

\*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.

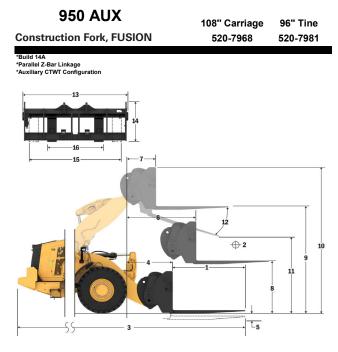
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on from the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

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



#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
_	Local Country	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8543
	Otatio Tipping Load Ottaight (Forto Lotto)	lbs	18829
	Static Tipping Load - Articulated (Forks Level)	kg	7319
	· · · · · · · · · · · · · · · · · · ·	lbs kg	16131 3659
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8065
	D + 11	kg	4391
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9678
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5855
	Nated Load (CEN EN 474-3 Film and Level Glound - 80 % F131L)	lbs	12904
3	Maximum Overall Length	mm	9878
_	maximum o roraii zorigii	in	388.9
4	Reach with Forks at Ground Level	mm	1213
	<u> </u>	in	47.7 -79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	
_	· · · · · · · · · · · · · · · · · · ·	in mm	-3.1 1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
_	D 1 7 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	1029
7	Reach with Fork at Maximum Height	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
•	Ground to Top of Time with Arms Honzontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
_	Ordana to rep or time at maximum rioign and ronk zoroi	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
		in	191.0
11	Clearance at Full Lift and Max Dump	mm in	1544 60.8
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
13	Overall Carriage Width	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
	T 140 H / 1 1 0 1	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKIESS	in	3.5
	Tine Capacity	kq	11300
	Timo Supusity	lbs	24905
	Operating Weight	ka	19971
	-1 0 0	lbs	44017

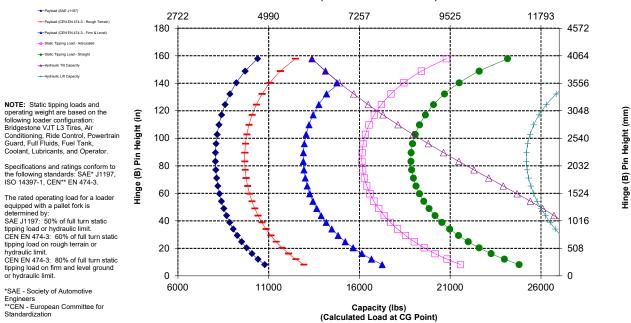


\*Negative values indicate below grade

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.



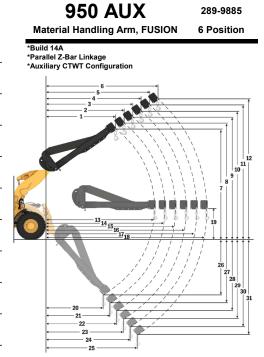




\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

# **Material Handling Arm Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
M 17 H 15 11B 1 (400450)	mm	2,291	2,429	2,566	2,704	2,842	2,979
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	7' 6"	7' 11"	8' 5"	8' 10"	9' 3"	9' 9"
	mm	6,852	7,124	7,396	7,668	7,939	8,211
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 1"	26' 0"	26' 11"
	mm	4,610	4,915	5,220	5,525	5,829	6,134
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	15' 1"	16' 1"	17' 1"	18' 1"	19' 1"	20' 1"
	mm	1,842	1,842	1,842	1,842	1,842	1,842
Level - Hook Eyelet Height (19)	ft, in	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"
	mm	2,416	2,596	2,777	2,957	3,137	3,318
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	7' 11"	8' 6"	9' 1"	9' 8"	10' 3"	10' 10"
AF 176 11 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	(2,593)	(2,839)	(3,085)	(3,330)	(3,576)	(3,822)
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-8' 5"	-9' 8"	-10' 10"	-10' 0"	-11' 3"	-12' 5"
0.5 7	kg	6,350	6,006	5,695	5,415	5,160	4,927
Static Tipping Load, Straight	lb	13,996	13,236	12,553	11,935	11,373	10,860
0.5 7	kg	5,501	5,202	4,932	4,689	4,467	4,265
atic Tipping Load, Articulated	lb	12,125	11,465	10,871	10,334	9,845	9,399
	kg	19,118	19,118	19,118	19,118	19,118	19,118
Operating Weight	lb	42,137	42,137	42,137	42,137	42,137	42,137



Hinge (B) Pin Height (mm)



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.

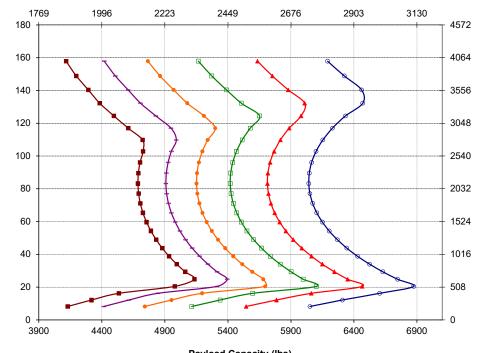
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1 Hinge (B) Pin Height (in)

The rated operating load for a loader equipped with a material handling arm is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.

\*SAE - Society of Automotive Engineers





# **Standard and Optional Equipment**

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

	Standard	Optional
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, auto front differential lock (LHD)	✓	
Axles, auto front differential lock (HMU)		✓
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	✓	
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 <sup>1</sup>		✓
Dispatch for Loading <sup>1</sup>		✓
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 (LHD)		✓
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 and rear retractable	✓	
Windows, front, laminated	✓	
Windows, front, heavy duty		✓
Full cab window guard		✓

(continued on next page)

<sup>\*</sup> Not all configurations available in all regions, subject to availability.
\*\* Standard or optional depending on region. Consult your dealer.

<sup>\*\*\*</sup> Japan only.

<sup>\*\*\*\*</sup> Available in Europe and Australia. Country certifications vary. Contact your Cat dealer for more information.

<sup>&</sup>lt;sup>1</sup>Subscription 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 roading lights with turn signals, 2 rearview lights	✓	
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 <sup>rd</sup> and 4 <sup>th</sup> auxiliary functions with ride control		✓
Oil sampling valves, Cat XT <sup>TM</sup> hoses	✓	
Quick coupler control		✓
LINKAGE		
Parallel 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		✓
Waste and industrial		✓
Forestry		✓
Corrosion resistant		✓
Block handler		✓
Tunneling***		✓

<sup>\*</sup> Not all configurations available in all regions, subject to availability.
\*\* Standard or optional depending on region. Consult your dealer.

<sup>\*\*\*</sup> Japan only.

<sup>\*\*\*\*</sup> Available in Europe and Australia. Country certifications vary. Contact your Cat dealer for more information.

<sup>&</sup>lt;sup>1</sup>Subscription 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 <a href="https://www.caterpillar.com/en/company/sustainability.html">https://www.caterpillar.com/en/company/sustainability.html</a>.

#### **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 CO<sub>2</sub> 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<sub>2</sub> 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  $\leq 0.01\%$
- Cadmium < 0.01%
- $\, Chromium \leq 0.01\%$
- Lead  $\leq 0.01\%$

#### Sound

Operator Sound Pressure Level (ISO 6396:2008)	70 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.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with diesel particulate filter (DPF), and diesel exhaust fluid (DEF) tank and pump.
- 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.
- 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.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

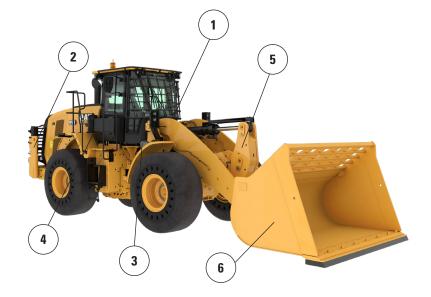
#### Work in Comfort in the All New Cab

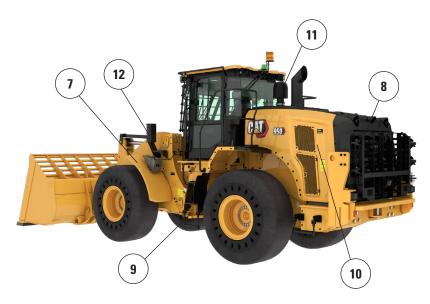
- · Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The seat-mounted electro-hydraulic joystick steering system provides precision control and dramatically reduces arm fatigue, resulting in excellent comfort and accuracy. Standard in North America and optional in all other regions.
- The hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. Standard in all regions except North America. Limited optional availability for North America, consult your Cat dealer.

# 950 Waste and Scrap Handler Specifications

### 950 Waste and Scrap Handler Features

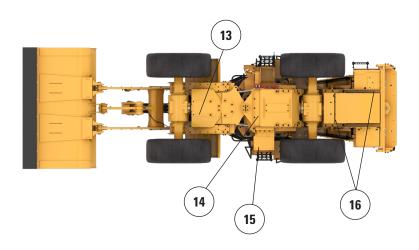
- 1. Optional window guarding to provide impact resistance to the glass
- 2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
- 3. Carbon cab air filter removes harsh odors
- Optional powered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





- 7. 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
- 9. 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



# **950 Waste and Scrap Handler Specifications**

# **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 (average of front and rear)		0 mm 0"	-71 mm -2.8"	-54 mm -2.1"	-61 mm -2.4"	-80 mm -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"

<sup>\*</sup>Width over tire bulge and includes tire growth.

### **Operating Specifications – Buckets**

Linkage	Standard 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 <sup>3</sup>	3.10	3.10	2.90	3.40	3.40	3.20
	yd³	4.00	4.00	3.75	4.50	4.50	4.25
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.20	3.70	3.70	3.50
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50
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	2929	2811	2811	2872	2753	2753
and 45° Discharge	ft/in	9'7"	9'2"	9'2"	9'5"	9'0"	9'0"
17† Reach at Maximum Lift and	mm	1420	1531	1531	1464	1573	1573
45° Discharge	ft/in	4'7"	5'0"	5'0"	4'9"	5'1"	5'1"
Reach at Level Lift Arm and	mm	2679	2840	2840	2752	2913	2913
Bucket Level	ft/in	8'9"	9'3"	9'3"	9'0"	9'6"	9'6"
A† Digging Depth	mm	37	37	7	37	37	7
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"
12† Overall Length	mm	8323	8497	8497	8396	8570	8570
	ft/in	27'4"	27'11"	27'11"	27'7"	28'2"	28'2"
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	5578	5578	5578	5650	5650	5650
Maximum Lift	ft/in	18'4"	18'4"	18'4"	18'7"	18'7"	18'7"
Loader Clearance Circle Radius	mm	6733	6819	6819	6755	6842	6842
with Bucket at Carry Position	ft/in	22'2"	22'5"	22'5"	22'2"	22'6"	22'6"
Static Tipping Load, Straight	kg	16 393	16 251	16 572	16 221	16 077	16 393
(No tire deflection)	lb	36,142	35,828	36,536	35,762	35,445	36,141
Static Tipping Load, Articulated	kg	14 324	14 182	14 481	14 160	14 016	14 310
(No tire deflection)	lb	31,580	31,266	31,926	31,218	30,901	31,549
Breakout Force(§)	kN	181	180	197	171	169	185
	lbf	40,817	40,546	44,351	38,437	38,168	41,582
Operating Weight*	kg	23 045	23 153	22 996	23 139	23 247	23 090
	lb	50,806	51,044	50,698	51,012	51,250	50,904

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

<sup>(</sup>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				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 <sup>3</sup>	3.60	3.60	3.40	3.80	3.80	3.60
	yd³	4.75	4.75	4.50	5.00	5.00	4.75
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.00	4.00	3.70	4.20	4.20	4.00
	$yd^3$	5.25	5.25	4.75	5.50	5.50	5.25
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	2846	2726	2726	2811	2691	2691
and 45° Discharge	ft/in	9'4"	8'11"	8'11"	9'2"	8'9"	8'9"
17† Reach at Maximum Lift and	mm	1486	1595	1595	1515	1623	1623
45° Discharge	ft/in	4'10"	5'2"	5'2"	4'11"	5'3"	5'3"
Reach at Level Lift Arm and	mm	2787	2948	2948	2833	2994	2994
Bucket Level	ft/in	9'1"	9'8"	9'8"	9'3"	9'9"	9'9"
A† Digging Depth	mm	37	37	7	37	37	7
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"
12† Overall Length	mm	8431	8605	8605	8477	8651	8651
	ft/in	27'8"	28'3"	28'3"	27'10"	28'5"	28'5"
<b>B</b> † Overall Height with Bucket at	mm	5683	5683	5683	5731	5731	5731
Maximum Lift	ft/in	18'8"	18'8"	18'8"	18'10"	18'10"	18'10"
Loader Clearance Circle Radius	mm	6766	6853	6853	6780	6867	6867
with Bucket at Carry Position	ft/in	22'3"	22'6"	22'6"	22'3"	22'7"	22'7"
Static Tipping Load, Straight	kg	16 147	16 002	16 314	16 041	15 896	16 203
(No tire deflection)	lb	35,598	35,279	35,966	35,366	35,045	35,721
Static Tipping Load, Articulated	kg	14 090	13 945	14 235	13 990	13 844	14 130
(No tire deflection)	lb	31,063	30,744	31,384	30,843	30,522	31,151
Breakout Force(§)	kN	166	165	179	160	159	172
	lbf	37,390	37,121	40,371	36,084	35,816	38,868
Operating Weight*	kg	23 175	23 283	23 126	23 230	23 338	23 181
	lb	51,092	51,330	50,984	51,213	51,451	51,104

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

<sup>(</sup>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		Standard Linkage					
Bucket Type			Ger	neral Purpose	– Hook-On – Fusi	on	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m <sup>3</sup>	3.10	3.10	2.90	3.40	3.40	3.20
	$yd^3$	4.00	4.00	3.75	4.50	4.50	4.25
Capacity - Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.20	3.70	3.70	3.50
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50
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	2890	2771	2771	2832	2713	2713
and 45° Discharge	ft/in	9'5"	9'1"	9'1"	9'3"	8'10"	8'10"
<b>7</b> † Reach at Maximum Lift and	mm	1466	1576	1576	1509	1618	1618
45° Discharge	ft/in	4'9"	5'2"	5'2"	4'11"	5'3"	5'3"
Reach at Level Lift Arm and	mm	2739	2900	2900	2812	2973	2973
Bucket Level	ft/in	8'11"	9'6"	9'6"	9'2"	9'9"	9'9"
A† Digging Depth	mm	37	37	7	37	37	7
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"
<b>2</b> † Overall Length	mm	8383	8557	8557	8456	8630	8630
	ft/in	27'7"	28'1"	28'1"	27'9"	28'4"	28'4"
B† Overall Height with Bucket at	mm	5611	5611	5611	5683	5683	5683
Maximum Lift	ft/in	18'5"	18'5"	18'5"	18'8"	18'8"	18'8"
Loader Clearance Circle Radius	mm	6747	6834	6834	6769	6857	6857
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'6"	22'3"	22'6"	22'6"
Static Tipping Load, Straight	kg	15 752	15 610	15 982	15 612	15 469	15 838
(No tire deflection)	lb	34,728	34,415	35,236	34,420	34,104	34,918
Static Tipping Load, Articulated	kg	13 715	13 573	13 924	13 583	13 439	13 788
(No tire deflection)	lb	30,236	29,924	30,697	29,945	29,629	30,397
Breakout Force(§)	kN	172	171	187	163	162	176
	lbf	38,860	38,590	42,070	36,698	36,430	39,572
Operating Weight*	kg	23 515	23 623	23 466	23 585	23 693	23 536
	lb	51,841	52,079	51,733	51,995	52,234	51,887

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

<sup>(</sup>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			Gei	neral Purpose	– Hook-On – Fusi	on	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m <sup>3</sup>	3.60	3.60	3.40	3.80	3.80	3.60
	$yd^3$	4.75	4.75	4.50	5.00	5.00	4.75
Capacity – Rated at 110% Fill Factor	$m^3$	4.00	4.00	3.70	4.20	4.20	4.00
	$yd^3$	5.25	5.25	4.75	5.50	5.50	5.25
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	2806	2686	2686	2771	2651	2651
and 45° Discharge	ft/in	9'2"	8'9"	8'9"	9'1"	8'8"	8'8"
17† Reach at Maximum Lift and	mm	1530	1639	1639	1559	1668	1668
45° Discharge	ft/in	5'0"	5'4"	5'4"	5'1"	5'5"	5'5"
Reach at Level Lift Arm and	mm	2847	3008	3008	2893	3054	3054
Bucket Level	ft/in	9'4"	9'10"	9'10"	9'5"	10'0"	10'0"
A† Digging Depth	mm	37	37	7	37	37	7
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"
12† Overall Length	mm	8491	8665	8665	8537	8711	8711
	ft/in	27'11"	28'6"	28'6"	28'1"	28'7"	28'7"
<b>B</b> † Overall Height with Bucket at	mm	5717	5717	5717	5764	5764	5764
Maximum Lift	ft/in	18'10"	18'10"	18'10"	18'11"	18'11"	18'11"
Loader Clearance Circle Radius	mm	6780	6868	6868	6795	6883	6883
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'7"	22'4"	22'7"	22'7"
Static Tipping Load, Straight	kg	15 543	15 399	15 767	15 452	15 307	15 674
(No tire deflection)	lb	34,267	33,950	34,762	34,066	33,747	34,555
Static Tipping Load, Articulated	kg	13 517	13 373	13 721	13 431	13 286	13 632
(No tire deflection)	lb	29,801	29,484	30,250	29,611	29,291	30,055
Breakout Force(§)	kN	159	157	171	153	152	165
	lbf	35,736	35,469	38,467	34,537	34,271	37,095
Operating Weight*	kg	23 619	23 727	23 570	23 664	23 772	23 615
-	lb	52,071	52,309	51,963	52,170	52,408	52,062

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

<sup>(</sup>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		Waste, Load and	d Carry – Pin-On	Waste, Dozing – Pin-On				
Edge Type		Steel Bolt-On Cutting Edges	Rubber Cutting Edges	Steel Bolt-On Cutting Edges	Rubber Cutting Edges			
Capacity – Rated	$m^3$	6.10	6.10	5.40	5.40			
	$yd^3$	8.00	8.00	7.00	7.00			
Capacity - Rated at 110% Fill Factor	$m^3$	6.70	6.70	5.90	5.90			
	$yd^3$	8.75	8.75	7.75	7.75			
Width	mm	3059	3059	3059	3032			
	ft/in	10'0"	10'0"	10'0"	9'11"			
<b>16</b> † Dump Clearance at Maximum Lift	mm	2519	2422	2786	2688			
and 45° Discharge	ft/in	8'3"	7'11"	9'1"	8'9"			
17† Reach at Maximum Lift and	mm	1685	1624	1418	1358			
45° Discharge	ft/in	5'6"	5'3"	4'7"	4'5"			
Reach at Level Lift Arm and	mm	3174	3199	2797	2823			
Bucket Level	ft/in	10'4"	10'5"	9'2"	9'3"			
A† Digging Depth	mm	7	7	42	154			
	in	0.2"	0.2"	1.6"	6"			
12† Overall Length	mm	8822	8930	8445	8554			
	ft/in	29'0"	29'4"	27'9"	28'1"			
<b>B</b> † Overall Height with Bucket at	mm	5932	5932	6139	6139			
Maximum Lift	ft/in	19'6"	19'6"	20'2"	20'2"			
Loader Clearance Circle Radius	mm	6949	7001	6826	6868			
with Bucket at Carry Position	ft/in	22'10"	23'0"	22'5"	22'7"			
Static Tipping Load, Straight	kg	14 892	14 849	15 978	15 934			
(No tire deflection)	lb	32,833	32,737	35,227	35,128			
Static Tipping Load, Articulated	kg	12 899	12 855	13 853	13 808			
(No tire deflection)	lb	28,437	28,341	30,541	30,442			
Breakout Force(§)	kN	131	129	162	158			
	lbf	29,444	29,188	36,502	35,523			
Operating Weight*	kg	23 894	23 932	24 022	24 052			
	lb	52,678	52,761	52,959	53,025			

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

<sup>(</sup>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	l Linkage			
Bucket Type		Waste, Top Clamp – Pin-On				
Edge Type		Steel Bolt-On Cutting Edges	Rubber Cutting Edges			
Capacity – Rated	$m^3$	4.40	4.40			
	yd³	5.75	5.75			
Capacity - Rated at 110% Fill Factor	$m^3$	4.80	4.80			
	$yd^3$	6.25	6.25			
Width	mm	3059	3059			
	ft/in	10'0"	10'0"			
16† Dump Clearance at Maximum Lift	mm	2302	2204			
and 45° Discharge	ft/in	7'6"	7'2"			
17† Reach at Maximum Lift and	mm	1891	1831			
45° Discharge	ft/in	6'2"	6'0"			
Reach at Level Lift Arm and	mm	3474	3500			
Bucket Level	ft/in	11'4"	11'5"			
A† Digging Depth	mm	15	15			
	in	0.5"	0.5"			
2† Overall Length	mm	9128	9236			
	ft/in	30'0"	30'4"			
B† Overall Height with Bucket at	mm	5333	5333			
Maximum Lift	ft/in	17'6"	17'6"			
Loader Clearance Circle Radius	mm	7307	7363			
with Bucket at Carry Position	ft/in	24'0"	24'2"			
Static Tipping Load, Straight	kg	10 312	10 373			
(No tire deflection)	lb	22,734	22,870			
Static Tipping Load, Articulated	kg	8755	8816			
(No tire deflection)	lb	19,301	19,437			
Breakout Force (§)	kN	25	33			
	lbf	5,683	7,515			
Operating Weight*	kg	24 891	24 819			
	1b	54,876	54,717			

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

Linkage		High Lift Linkage						
Bucket Type				General Pur	rpose – Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	
Capacity – Rated	m <sup>3</sup>	3.10	3.10	2.90	3.40	3.40	3.20	
	yd³	4.00	4.00	3.75	4.50	4.50	4.25	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.20	3.70	3.70	3.50	
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50	
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	3434	3316	3316	3378	3258	3258	
and 45° Discharge	ft/in	11'3"	10'10"	10'10"	11'0"	10'8"	10'8"	
17† Reach at Maximum Lift and	mm	1456	1566	1566	1499	1609	1609	
45° Discharge	ft/in	4'9"	5'1"	5'1"	4'11"	5'3"	5'3"	
Reach at Level Lift Arm and	mm	3054	3215	3215	3127	3288	3288	
Bucket Level	ft/in	10'0"	10'6"	10'6"	10'3"	10'9"	10'9"	
A† Digging Depth	mm	41	41	11	41	41	11	
	in	1.6"	1.6"	0.4"	1.6"	1.6"	0.4"	
12† Overall Length	mm	8783	8955	8955	8856	9028	9028	
	ft/in	28'10"	29'5"	29'5"	29'1"	29'8"	29'8"	
B† Overall Height with Bucket at	mm	6083	6083	6083	6155	6155	6155	
Maximum Lift	ft/in	20'0"	20'0"	20'0"	20'3"	20'3"	20'3"	
Loader Clearance Circle Radius	mm	6932	7022	7022	6955	7046	7046	
with Bucket at Carry Position	ft/in	22'9"	23'1"	23'1"	22'10"	23'2"	23'2"	
Static Tipping Load, Straight	kg	13 600	13 463	13 739	13 443	13 304	13 576	
(No tire deflection)	lb	29,984	29,681	30,291	29,636	29,330	29,931	
Static Tipping Load, Articulated	kg	11 832	11 694	11 954	11 681	11 542	11 798	
(No tire deflection)	lb	26,085	25,782	26,355	25,752	25,446	26,010	
Breakout Force (§)	kN	172	171	187	162	161	175	
	lbf	38,692	38,449	42,076	36,426	36,184	39,439	
Operating Weight*	kg	23 296	23 404	23 247	23 389	23 497	23 340	
	lb	51,358	51,596	51,250	51,564	51,802	51,456	

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

<sup>(</sup>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 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 <sup>3</sup>	3.60	3.60	3.40	3.80	3.80	3.60
	yd³	4.75	4.75	4.50	5.00	5.00	4.75
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.00	4.00	3.70	4.20	4.20	4.00
	$yd^3$	5.25	5.25	4.75	5.50	5.50	5.25
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	3351	3232	3232	3317	3197	3197
and 45° Discharge	ft/in	10'11"	10'7"	10'7"	10'10"	10'5"	10'5"
7† Reach at Maximum Lift and	mm	1521	1630	1630	1550	1659	1659
45° Discharge	ft/in	4'11"	5'4"	5'4"	5'1"	5'5"	5'5"
Reach at Level Lift Arm and	mm	3162	3323	3323	3208	3369	3369
Bucket Level	ft/in	10'4"	10'10"	10'10"	10'6"	11'0"	11'0"
A† Digging Depth	mm	41	41	11	41	41	11
	in	1.6"	1.6"	0.4"	1.6"	1.6"	0.4"
2† Overall Length	mm	8891	9063	9063	8937	9109	9109
	ft/in	29'3"	29'9"	29'9"	29'4"	29'11"	29'11"
B† Overall Height with Bucket at	mm	6189	6189	6189	6236	6236	6236
Maximum Lift	ft/in	20'4"	20'4"	20'4"	20'6"	20'6"	20'6"
Loader Clearance Circle Radius	mm	6966	7058	7058	6981	7073	7073
with Bucket at Carry Position	ft/in	22'11"	23'2"	23'2"	22'11"	23'3"	23'3"
Static Tipping Load, Straight	kg	13 375	13 236	13 505	13 279	13 139	13 404
(No tire deflection)	lb	29,488	29,180	29,774	29,277	28,968	29,552
Static Tipping Load, Articulated	kg	11 617	11 477	11 730	11 525	11 385	11 634
(No tire deflection)	lb	25,611	25,303	25,861	25,409	25,101	25,650
Breakout Force(§)	kN	157	156	170	152	151	163
	lbf	35,429	35,187	38,285	34,186	33,944	36,854
Operating Weight*	kg	23 426	23 534	23 377	23 480	23 588	23 431
	lb	51,644	51,882	51,536	51,765	52,003	51,657

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

<sup>(</sup>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			Ger	neral Purpose	– Hook-On – Fusi	on	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m <sup>3</sup>	3.10	3.10	2.90	3.40	3.40	3.20
	yd³	4.00	4.00	3.75	4.50	4.50	4.25
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.20	3.70	3.70	3.50
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50
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	3395	3277	3277	3338	3219	3219
and 45° Discharge	ft/in	11'1"	10'9"	10'9"	10'11"	10'6"	10'6"
17† Reach at Maximum Lift and	mm	1501	1612	1612	1544	1654	1654
45° Discharge	ft/in	4'11"	5'3"	5'3"	5'0"	5'5"	5'5"
Reach at Level Lift Arm and	mm	3114	3275	3275	3187	3348	3348
Bucket Level	ft/in	10'2"	10'8"	10'8"	10'5"	10'11"	10'11"
A† Digging Depth	mm	41	41	11	41	41	11
	in	1.6"	1.6"	0.4"	1.6"	1.6"	0.4"
12† Overall Length	mm	8843	9015	9015	8916	9088	9088
	ft/in	29'1"	29'7"	29'7"	29'4"	29'10"	29'10"
<b>B</b> † Overall Height with Bucket at	mm	6116	6116	6116	6188	6188	6188
Maximum Lift	ft/in	20'1"	20'1"	20'1"	20'4"	20'4"	20'4"
Loader Clearance Circle Radius	mm	6941	7032	7032	6964	7056	7056
with Bucket at Carry Position	ft/in	22'10"	23'1"	23'1"	22'11"	23'2"	23'2"
Static Tipping Load, Straight	kg	13 016	12 879	13 199	12 889	12 751	13 068
(No tire deflection)	1b	28,696	28,394	29,098	28,416	28,111	28,812
Static Tipping Load, Articulated	kg	11 272	11 135	11 438	11 151	11 013	11 315
(No tire deflection)	lb	24,850	24,548	25,217	24,584	24,279	24,945
Breakout Force(§)	kN	163	162	177	154	153	166
	lbf	36,829	36,587	39,905	34,772	34,530	37,526
Operating Weight*	kg	23 766	23 874	23 717	23 835	23 943	23 786
	lb	52,393	52,632	52,285	52,548	52,786	52,440

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

<sup>(</sup>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		High Lift Linkage						
Bucket Type			Gei	neral Purpose	– Hook-On – Fusi	on		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	
Capacity – Rated	m <sup>3</sup>	3.60	3.60	3.40	3.80	3.80	3.60	
	$yd^3$	4.75	4.75	4.50	5.00	5.00	4.75	
Capacity – Rated at 110% Fill Factor	$m^3$	4.00	4.00	3.70	4.20	4.20	4.00	
	$yd^3$	5.25	5.25	4.75	5.50	5.50	5.25	
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	3311	3192	3192	3277	3157	3157	
and 45° Discharge	ft/in	10'10"	10'5"	10'5"	10'9"	10'4"	10'4"	
<b>7</b> † Reach at Maximum Lift and	mm	1566	1675	1675	1595	1703	1703	
45° Discharge	ft/in	5'1"	5'5"	5'5"	5'2"	5'7"	5'7"	
Reach at Level Lift Arm and	mm	3222	3383	3383	3268	3429	3429	
Bucket Level	ft/in	10'6"	11'1"	11'1"	10'8"	11'3"	11'3"	
A† Digging Depth	mm	41	41	11	41	41	11	
	in	1.6"	1.6"	0.4"	1.6"	1.6"	0.4"	
2† Overall Length	mm	8951	9123	9123	8997	9169	9169	
	ft/in	29'5"	30'0"	30'0"	29'7"	30'1"	30'1"	
B† Overall Height with Bucket at	mm	6222	6222	6222	6270	6270	6270	
Maximum Lift	ft/in	20'5"	20'5"	20'5"	20'7"	20'7"	20'7"	
Loader Clearance Circle Radius	mm	6976	7067	7067	6991	7083	7083	
with Bucket at Carry Position	ft/in	22'11"	23'3"	23'3"	23'0"	23'3"	23'3"	
Static Tipping Load, Straight	kg	12 826	12 687	13 004	12 743	12 604	12 920	
(No tire deflection)	lb	28,278	27,971	28,670	28,095	27,787	28,484	
Static Tipping Load, Articulated	kg	11 091	10 953	11 254	11 013	10 873	11 174	
(No tire deflection)	lb	24,453	24,147	24,811	24,280	23,972	24,635	
Breakout Force(§)	kN	150	149	162	145	144	156	
	lbf	33,856	33,614	36,474	32,715	32,473	35,167	
Operating Weight*	kg	23 870	23 978	23 821	23 915	24 023	23 866	
	lb	52,623	52,861	52,515	52,722	52,960	52,614	

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

<sup>(</sup>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		High Lift Linkage							
Bucket Type			oad and Pin-On	Waste, Doz	ing — Pin-On				
Edge Type		Steel Bolt-On Cutting Edges	Rubber Cutting Edges	Steel Bolt-On Cutting Edges	Rubber Cutting Edges				
Capacity – Rated	m <sup>3</sup>	6.10	6.10	5.40	5.40				
	$yd^3$	8.00	8.00	7.00	7.00				
Capacity – Rated at 110% Fill Factor	$m^3$	6.70	6.70	5.90	5.90				
	$yd^3$	8.75	8.75	7.75	7.75				
Width	mm	3059	3059	3059	3032				
	ft/in	10'0"	10'0"	10'0"	9'11"				
16† Dump Clearance at Maximum Lift	mm	3025	2928	3291	3193				
and 45° Discharge	ft/in	9'11"	9'7"	10'9"	10'5"				
17† Reach at Maximum Lift and	mm	1720	1659	1454	1393				
45° Discharge	ft/in	5'7"	5'5"	4'9"	4'6"				
Reach at Level Lift Arm and	mm	3549	3574	3172	3198				
Bucket Level	ft/in	11'7"	11'8"	10'4"	10'5"				
A† Digging Depth	mm	11	11	46	158				
	in	0.4"	0.4"	1.8"	6.2"				
12† Overall Length	mm	9281	9376	8904	9000				
	ft/in	30'6"	30'10"	29'3"	29'7"				
<b>B</b> † Overall Height with Bucket at	mm	6437	6437	6644	6644				
Maximum Lift	ft/in	21'2"	21'2"	21'10"	21'10"				
Loader Clearance Circle Radius	mm	7154	7230	7020	7081				
with Bucket at Carry Position	ft/in	23'6"	23'9"	23'1"	23'3"				
Static Tipping Load, Straight	kg	12 234	12 191	12 991	12 949				
(No tire deflection)	lb	26,971	26,877	28,642	28,548				
Static Tipping Load, Articulated	kg	10 526	10 483	11 188	11 146				
(No tire deflection)	lb	23,206	23,113	24,666	24,573				
Breakout Force (§)	kN	123	123	153	150				
	lbf	27,840	27,759	34,563	33,827				
Operating Weight*	kg	24 145	24 183	24 272	24 302				
	lb	53,230	53,313	53,511	53,577				

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

<sup>(</sup>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		High Lift Linkage					
Bucket Type		Waste, Top Clamp – Pin-On					
Edge Type		Steel Bolt-On Cutting Edges	Rubber Cutting Edges				
Capacity – Rated	m³	4.40	4.40				
	yd³	5.75	5.75				
Capacity - Rated at 110% Fill Factor	$m^3$	4.80	4.80				
	$yd^3$	6.25	6.25				
Width	mm	3059	3059				
	ft/in	10'0"	10'0"				
16† Dump Clearance at Maximum Lift	mm	2807	2709				
and 45° Discharge	ft/in	9'2"	8'10"				
17† Reach at Maximum Lift and	mm	1927	1866				
45° Discharge	ft/in	6'3"	6'1"				
Reach at Level Lift Arm and	mm	3849	3875				
Bucket Level	ft/in	12'7"	12'8"				
A† Digging Depth	mm	19	19				
	in	0.7"	0.7"				
12† Overall Length	mm	9586	9681				
	ft/in	31'6"	31'10"				
<b>B</b> † Overall Height with Bucket at	mm	5838	5838				
Maximum Lift	ft/in	19'2"	19'2"				
Loader Clearance Circle Radius	mm	7573	7624				
with Bucket at Carry Position	ft/in	24'11"	25'1"				
Static Tipping Load, Straight	kg	8651	8714				
(No tire deflection)	lb	19,072	19,211				
Static Tipping Load, Articulated	kg	7266	7329				
(No tire deflection)	lb	16,019	16,158				
Breakout Force (§)	kN	26	33				
	lbf	6,030	7,446				
Operating Weight*	kg	25 142	25 070				
	lb	55,428	55,269				

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

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

<sup>(</sup>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 Forestry Machine

The Cat<sup>®</sup> 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.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with diesel particulate filter (DPF), and diesel exhaust fluid (DEF) tank and pump.
- Features an electric fuel priming pump, fuel-water separator, and secondary fuel filter.
- 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, larger lift cylinders, and larger tilt cylinders.
- 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.
- 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.

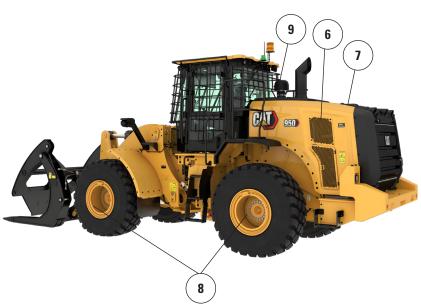
#### Work in Comfort in the All New Cab

- 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 seat-mounted electro-hydraulic joystick steering system provides precision control and dramatically reduces arm fatigue, resulting in excellent comfort and accuracy. Standard in North America and optional in all other regions.
- The hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. Standard in all regions except North America. Limited optional availability for North America, consult your Cat dealer.

### **950 Forestry Machine Features**

- Larger tilt cylinder and larger lift cylinders 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 3<sup>rd</sup> and 4<sup>th</sup> 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
- 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"

<sup>\*</sup>Width over tire bulge and includes tire growth.

### **Operating Specifications – Buckets**

Linkage				Forestry Linkage		
Bucket Type		Flat Floor – Pin-On	Woodchi	p — Pin-On	Woodchip – Ho	ook-On – Fusion
Edge Type		Bolt-On Cutting Edges				
Capacity – Rated	m <sup>3</sup>	6.10	9.20	9.90	9.20	9.90
	$yd^3$	8.00	12.00	13.00	12.00	13.00
Capacity - Rated at 110% Fill Factor	m <sup>3</sup>	6.70	10.10	10.90	10.10	10.90
	$yd^3$	8.75	13.25	14.25	13.25	14.25
Width	mm	3357	3330	3330	3330	3330
	ft/in	11'0"	10'11"	10'11"	10'11"	10'11"
<b>16</b> † Dump Clearance at Maximum Lift	mm	1917	2262	2188	2169	2165
and 45° Discharge	ft/in	6'3"	7'5"	7'2"	7'1"	7'1"
17† Reach at Maximum Lift and	mm	2113	1909	1984	2003	2007
45° Discharge	ft/in	6'11"	6'3"	6'6"	6'6"	6'7"
Reach at Level Lift Arm and	mm	3895	3507	3613	3639	3645
Bucket Level	ft/in	12'9"	11'6"	11'10"	11'11"	11'11"
A† Digging Depth	mm	197	97	97	97	97
	in	7.7"	3.8"	3.8"	3.8"	3.8"
12† Overall Length	mm	9612	9152	9258	9284	9290
	ft/in	31'7"	30'1"	30'5"	30'6"	30'6"
<b>B</b> † Overall Height with Bucket at	mm	5573	6266	6358	6324	6375
Maximum Lift	ft/in	18'4"	20'7"	20'11"	20'9"	20'11"
Loader Clearance Circle Radius	mm	7465	7170	7206	7215	7217
with Bucket at Carry Position	ft/in	24'6"	23'7"	23'8"	23'9"	23'9"
Static Tipping Load, Straight	kg	8508	12 177	12 103	10 869	10 921
(With tire deflection)	lb	18,758	26,847	26,683	23,963	24,077
Static Tipping Load, Straight	kg	9096	13 025	12 961	11 613	11 674
(No tire deflection)	lb	20,054	28,717	28,575	25,603	25,736
Static Tipping Load,	kg	6936	10 352	10 271	9169	9214
Articulated (With tire deflection)	lb	15,291	22,824	22,644	20,214	20,314
Static Tipping Load, Articulated	kg	7542	11 210	11 138	9926	9980
(No tire deflection)	lb	16,627	24,714	24,557	21,883	22,002
Breakout Force(§)	kN	92	119	112	111	110
(0)	lbf	20,860	26,841	25,336	25,062	24,918
Operating Weight*	kg	22 503	20 402	20 494	21 037	20 998
	lb	49,609	44,978	45,180	46,377	46,291

<sup>\*</sup> 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.

<sup>†</sup> Illustration shown with Dimension charts.

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

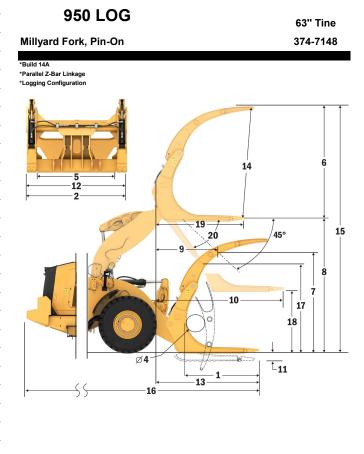
<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

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

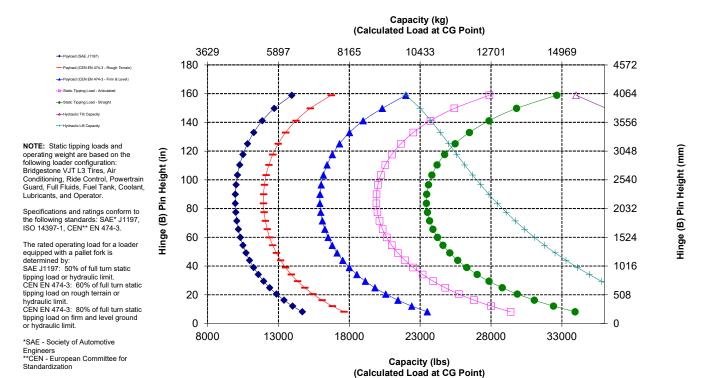
Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

#### **Fork Specifications**

	ik opecifications		
1	Tine length	mm in	1609 63.3
		mm	2324
2	Fork width	in	91.5
		m2	1.26
	End area	ft2	1.20
	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
	Min. opening	mm	427
4	(only applies to millyard forks)	in	17
	,	kg	20555
	Operating Weight	lbs	45316
		mm	1780
5	Distance inside of tine tips	in	70
	Static tipping load, articulated	kg	9031
	Fork level	_	
	Static tipping load, straight	lbs	19910.2 10632
	Fork level	kg	23438.7
	Max. height of fork	lbs mm	
6	(w/clamp open if applicable)		2843
	Clearance w/full lift, 45 deg dump	in	111.9
7	(if max. dump <> 45)	mm	2629
	(II max. dump <> 45)	in	103.5
8	Clearance @ full lift fork level	mm	3761
	Death wife il life 45 death down	in	148.1
9	Reach w/full lift, 45 deg dump	mm	1588
	(if max. dump <> 45)	in	62.5
10	Reach w/lift arm horizontal and fork level	mm	3021
		in	118.9
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-66
		in	-2.6
12	Width over tines	mm	2286
		in	90.0
13	Reach @ ground level	mm	2415
		in	95
14	Max. opening across tine and clamp	mm	2709
		in	106.7
15	Overall height of fork @ full lift and	mm	6605
	clamp open	in	260.0
16	Overall length	mm	8642
	Tip of tine to rear of machine	in	340.2
17	Clearance @ full lift and max. dump	mm	2613
	Discharge (if <> 45)	in	102.9
18	Clearance w/horizontal lift arms and	mm	1800.2
	fork level	in	70.9
19	Reach @ full lift and fork level	mm	2283.4
		in	89.9
20	Max. discharge angle from horizontal	deg	46
	J .g	rad	0.8



\*Negative values indicate below grade



### **Fork Specifications**

**Fork Specifications** 

(if max. dump <> 45)

12 Width over tines

clamp open

Overall length

Discharge (if <> 45)

19 Reach @ full lift and fork level

13 Reach @ ground level

10 Reach w/lift arm horizontal and fork level

14 Max. opening across tine and clamp

Overall height of fork @ full lift and

Tip of tine to rear of machine
Clearance @ full lift and max. dump

Clearance w/horizontal lift arms and

11 \*Ground to Bottom of Tool at Minimum Height and Tool Level

1	Tine length	mm in	1609 63.3
_	E. L. M.	mm	2324
2	Fork width	in	91.5
	End area	m2	1.26
	End drou	ft2	14
3	Inside Height	mm	0
J	(only applies to double top clamp)	in	0
4	Min. opening	mm	427
-	(only applies to millyard forks)	in	17
	Operating Weight	kg	21227
	Operating Weight	lbs	46798
5	Distance inside of tine tips	mm	1780
J	Distance inside of tine tips	in	70
	Static tipping load, articulated	kg	8038
	Fork level	lbs	17720.8
	Static tipping load, straight	kg	9567
	Fork level	lbs	21090.6
6	Max. height of fork	mm	2843
ь	(w/clamp open if applicable)	in	111.9
7	Clearance w/full lift, 45 deg dump	mm	2542
′	(if max. dump <> 45)	in	100.1
8	Clearance @ full lift fark level	mm	3775
o	Clearance @ full lift fork level	in	148.6
9	Reach w/full lift, 45 deg dump	mm	1694
9	(15		~~ =

mm 3158

in

in

mm

in mm

in mm 2709

in

in

mm 2266

in

mm

in

in

deg 63

rad

124.3

2286

100

106.7

260.5

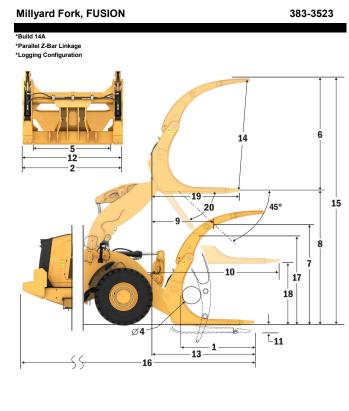
8768 mm

89.2

1813.9

2420.5

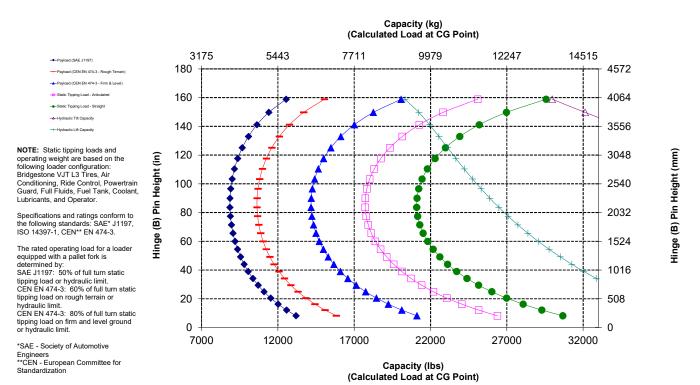
95.3



63" Tine

950 LOG

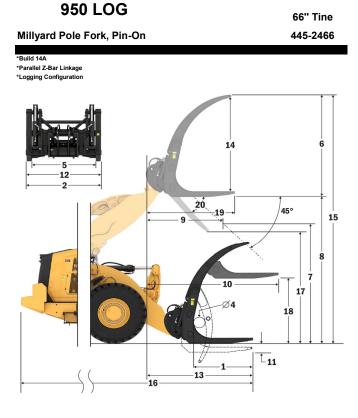
20 Max, discharge angle from horizontal



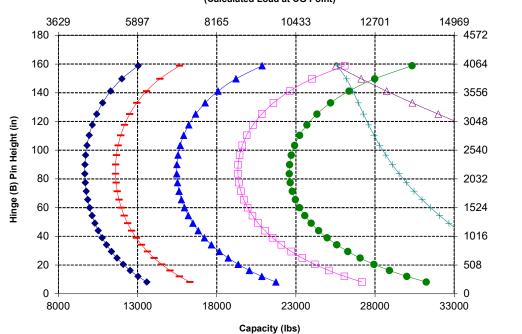
<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

End area   m2   1.39     Static tipping load, articulated   mm   mm   mm   mm   mm   mm   mm		nk opecinications		
End area   mm   2236   in   88.0   End area   m2   1.39   3   Inside Height   mm   0   (only applies to double top clamp)   in   0   4   Min. opening   mm   330   (only applies to millyard forks)   in   13   Operating Weight   kg   19934   5   Distance inside of tine tips   mm   1904   Fork level   ibs   19343   Static tipping load, articulated   kg   775   Fork level   ibs   19343   Static tipping load, straight   kg   10247   Fork level   ibs   19343   Static tipping load, straight   kg   10247   Fork level   ibs   19343   Static tipping load, straight   kg   10247   Fork level   ibs   22576   Max. height of fork (wichamp open if applicable)   in   133.8   7   Clearance wiffull lift, 45 deg dump   mm   3659   in   93.0   8   Clearance @ full lift fork level   mm   3659   in   67.3   7   Reach w/full lift, 45 deg dump   mm   1711   in   1414   17   Ground to Bottom of Tool at Minimum Height and Tool Level   in   129.8   10   Reach w/lift arm horizontal and fork level   mm   2184   11   "Ground to Bottom of Tool at Minimum Height and Tool Level   in   1029.8   13   Reach @ ground level   in   104.7   14   Max. opening across tine and clamp   mm   2184   15   Overall height of fork @ full lift and   mm   890.1   16   Overall height of fork @ full lift and   mm   891.4   17   Clearance @ full lift and max. dump   mm   2344   18   Clearance @ full lift and max. dump   mm   2344   19   Clearance @ full lift and max. dump   mm   2344   10   Clearance w/forizontal lift arms and   mm   189.1   11   Clearance w/forizontal lift arms and   mm   189.1   12   Clearance w/forizontal lift arms and   mm   189.1   13   Clearance w/forizontal lift arms and   mm   189.1   14   Clearance w/forizontal lift arms and   mm   189.1   15   Clearance w/forizontal lift arms and   mm   189.1   16   Clearance w/forizontal lift arms and   mm   189.1   17   Clearance w/forizontal lift arms and   mm   189.1   18   Clearance w/forizontal lift arms and   mm   189.1   19   Reach @ full lift and fork level   mm   2559.1   10   Max. discharge ang	1	Tine length		
End area m2 1.39 End area m2 1.39 Inside Height (only applies to double top clamp) in 0  Min. opening (only applies to millyard forks) in 13 Operating Weight lbs 43947  5 Distance inside of tine tips mm 1904 Fork level lbs 19343. Static tipping load, articulated kg 1924 Fork level lbs 19343. Static tipping load, straight kg 10244 Fork level lbs 22579.  Max. height of fork (wclamp open if applicable) in 123.8  7 Clearance wfull lift, 45 deg dump (if max. dump < 45) in 936.9  8 Clearance @ full lift fork level mm 3659 in 67.3 Reach w/lift arm horizontal and fork level mm 2765 11 *Ground to Bottom of Tool at Minimum Height and Tool Level mm 2765 14 Max. opening across tine and clamp mm 2914 15 Overall height of fork @ full lift and clamp open in 292.3 16 Clearance @ full lift and max. dump Discharge (if < 45) in 93.3 17 Clearance mm 2914 18 Overall height of fork @ full lift and clamp open in 292.3 18 Clearance @ full lift and max. dump mm 2934 19 Reach @ ground level mm 2914 10 Overall height of fork @ full lift and clamp open in 293.4 10 Overall height of fork @ full lift and mm 689.0 11 Clearance @ full lift and max. dump mm 2914 11 Clearance @ full lift and mm 689.0 12 Overall height of fork @ full lift and fork level mm 689.2 18 Clearance @ full lift and max. dump mm 2934 19 Reach @ full lift and fork level mm 2559.3 10 Reach @ full lift and max. dump mm 2934 11 Clearance w/horizontal lift arms and fork level mm 2559.3 19 Reach @ full lift and fork level mm 2559.3 10 Clearance mm 2559.3 11 Packed & full lift and fork level mm 2559.3 11 Packed & full lift and fork level mm 2559.3 12 Clearance mm 2559.3 13 Reach @ full lift and fork level mm 2559.3 14 Packed & full lift and fork level mm 2559.3 15 Packed & full lift and fork level mm 2559.3 16 Packed & full lift and fork level mm 2559.3 17 Clearance angle from horizontal deg 46				
End area	2	Fork width		
Inside Height (only applies to double top clamp)	_			
Inside Height (only applies to double top clamp)		End area		
Conly applies to double top clamp  in 0		Inside Height		
4         Min. opening (only applies to millyard forks)         in         330 (only applies to millyard forks)         in         13           Operating Weight         kg         1993% (bs         43947           5         Distance inside of tine tips         mm         1904 (bs         43947           5         Static tipping load, articulated kg         kg         757         10         kg         1024% (bs         29343         104% (bs         29343         104% (bs         104% (bs         22579         10         123.68         104% (w/clamp open if applicable)         in         143.68         124.69         10         123.68         125.79         in         123.68         125.79         in         123.68         125.79         in         123.68         125.79         in         145.99         125.79         in         1	3			
Conly applies to millyard forks    13   13   15   15   15   15   15   1				
Operating Weight   kg   1993	4			
Distance inside of tine tips   mm   1904		,		
5         Distance inside of tine tips         mm in 1904 in 75           Static tipping load, articulated Fork level         kg 8774           Fork level         lbs 19343.           Static tipping load, straight Fork level         bs 22576           6         Max. height of fork (wiclamp open if applicable)         mm 3144 (wiclamp open if applicable)           7         Clearance wifull lift, 45 deg dump (if max. dump <> 45)         mm 3659 (in 67.3 mm 3659 in 1650 in		Operating Weight		
Static tipping load, articulated   kg   8774				
Static tipping load, articulated   kg 8774     Fork level   lbs 19343.     Static tipping load, straight   kg 19343.     Static tipping load, straight   kg 19343.     Fork level   lbs 22579.     Max. height of fork   mm 3144     (w/clamp open if applicable)   in 123.8     Clearance w/full lift, 45 deg dump   mm 2362     (if max. dump ⇔ 45)   in 93.0     Reach w/full lift, 45 deg dump   mm 1711     (if max. dump ⇔ 45)   in 67.3     Reach w/lift arm horizontal and fork level   in 129.8     Reach w/lift arm horizontal and fork level   in 129.8     (if max. dump ⇔ 45)   in 67.3     Reach w/lift arm horizontal and fork level   in 129.8     (if max. dump ⇔ 45)   in 67.3     (if max. dump or 46)   in 129.8     (if max. dump or 46)   in 9.18     (if max. dump or 46)   in 19.18     (if max. dump or 46)   in 19.18     (if max. dump or 46)   in 19.2     (if max. dump or 47.8   in 19.2     (if max. dump or 48.8   in 19.2     (if ma	5	Distance inside of tine tips		
Fork level   Ibs   19343.		Static tinning load, articulated		
Static tipping load, straight   kg   10242     Fork level   lbs   22579.     6   Max. height of fork   mm   3144.     7   Clearance wiffull lift, 45 deg dump (if max. dump <> 45)   in   93.08     8   Clearance @ full lift fork level   mm   3659     9   Reach wiffull lift, 45 deg dump (if max. dump <> 45)   in   67.3     10   Reach wiffull lift, 45 deg dump (if max. dump <> 45)   in   67.3     11   *Ground to Bottom of Tool at Minimum Height and Tool Level   mm   3297     11   *Ground to Bottom of Tool at Minimum Height and Tool Level   mm   2765     12   Width over tines   mm   2765     13   Reach @ ground level   mm   2765     14   Max. opening across tine and clamp   mm   2914     15   Overall height of fork @ full lift and clamp open   in   267.8     16   Overall length   mm   8992     17   Clearance @ full lift and max. dump   mm   2344     18   Clearance @ full lift and max. dump   mm   2346     19   Reach @ full lift and fork level   mm   2559.     19   Reach @ full lift and fork level   mm   2559.     10   Reach @ full lift and fork level   mm   2559.     10   Max. discharge angle from horizontal   deg   46				
Fork level         Ibs         22579.           6 Max. height of fork (w/clamp open if applicable)         mm         3144 (w/clamp open if applicable)         in         3134 (w/clamp open if applicable)         mm         2362 (max. dump          mm         2362 (max. dump          mm         2362 (max. dump          mm         3659 (max. dump          mm         3659 (max. dump          mm         367.3 (max. dump          mm         1711 (max. dump <> 45) (max. dump          mm         1711 (max. dump <> 45) (max. dump          mm         1711 (max. dump <				
6         Max. height of fork (wiclamp open if applicable)         mm 3144 (wiclamp open if applicable)         in 123.8 mm 2362           7         Clearance wfull lift, 45 deg dump (if max. dump <> 45)         mm 3659 in 193.0 mm 3659 in 144.1           8         Clearance @ full lift fork level         mm 3659 in 144.1           9         Reach w/full lift, 45 deg dump (if max. dump <> 45)         in 67.3 mm 3297 in 67.3           10         Reach w/lift arm horizontal and fork level         mm 3297 in 1297 in 1292				
6         (w/clamp open if applicable)         in         123.8           7         Clearance wffull lift, 45 deg dump (if max. dump <> 45)         mm         3659 in         ng. 344.1         nmm         1744.1         ng. 297 in         ng. 298 in <td< td=""><td></td><td></td><td></td><td></td></td<>				
7 Clearance wifull lift, 45 deg dump (if max. dump <> 45) in 93.0  8 Clearance @ full lift fork level  9 Reach wifull lift, 45 deg dump (if max. dump <> 45) in 93.0  10 Reach wifull lift, 45 deg dump (if max. dump <> 45) in 67.3  11 *Ground to Bottom of Tool at Minimum Height and Tool Level in 129.8  11 *Ground to Bottom of Tool at Minimum Height and Tool Level in 67.3  12 Width over tines  13 Reach @ ground level  14 Max. opening across tine and clamp  15 Overall height of fork @ full lift and clamp open 16 Overall length Tip of tine to rear of machine 17 Overall length Tip of tine to rear of machine 18 Clearance @ full lift and max. dump Discharge (if <> 45)  18 Clearance @ wihorizontal lift arms and fork level  19 Reach @ full lift and fork level  20 Max. discharge angle from horizontal  20 Max. discharge angle from horizontal  21 deg 46  22 Max. discharge angle from horizontal	6	3		
7         (if max. dump <> 45)         in         93.0           8         Clearance @ full lift fork level         mm         3659 in         144.1           9         Reach w/full lift, 45 deg dump (if max. dump <> 45)         mm         1711 in         67.3           10         Reach w/lift arm horizontal and fork level         mm         3297           11         *Ground to Bottom of Tool at Minimum Height and Tool Level         mm         -168 in         -6.6           12         Width over tines         mm         2184 in         -6.6           13         Reach @ ground level         mm         2765 in         -6.6           14         Max. opening across tine and clamp         mm         2914 in         -114.7           15         Overall height of fork @ full lift and clamp open         in         67.8           16         Overall length rijp of tine to rear of machine         mm         8992 in           17         Clearance @ full lift and max. dump of tine to rear of machine         in         92.3 in           18         Clearance w/horizontal lift arms and fork level         mm         2559 in           19         Reach @ full lift and fork level         mm         2559 in           19         Reach @ full lift and fork level				
8 Clearance @ full lift fork level   mm   3659   in   144.1   mm   144.1   mm   144.1   mm   144.1   mm   144.1   mm   167.3   mm   171.1   mm   17	7			
Reach w/full lift, 45 deg dump   mm   1711   m   171	_	, , ,		
9         Reach w/full lift, 45 deg dump (if max. dump <> 45)         mm         1711 in 67.3           10         Reach w/lift arm horizontal and fork level         mm         129.8 in 129.8 in 129.8           11         *Ground to Bottom of Tool at Minimum Height and Tool Level         mm         -6.6 in 6.6 in 6.0 in 7.6 in 86.0 in 86.0 in 86.0 in 10.0 in	8	Clearance @ full lift fork level		
(if max. dump <> 45)   in 67.3   mm 67.3   mm 3297   in 12987   in 14.7	_	Reach w/full lift, 45 deg dump		
11 *Ground to Bottom of Tool at Minimum Height and Tool Level   mm   129.8 mm   168.0	9			
129.8		. ,		
11 *Ground to Bottom of Tool at Minimum Height and Tool Level   mm   -168   in   -8.6   mm   218   mm   218   mm   218   mm   218   mm   2765   mm   2765   mm   2765   mm   2765   mm   2765   mm   2765   mm   2914   mm   2916   mm   2918   mm	10	Reach Wiliπ arm norizontal and fork level		
12   Width over tines		*Construction Detterm of Total of Minimum Height and Total Lavel	mm	
13   Reach @ ground level   mm   2765   in   2765   in   102   103   1	• •	Ground to Bottom or 1001 at Millimum Height and 1001 Level	in	-6.6
13   Reach @ ground level	12	Width over tipes	mm	2184
14   Max. opening across tine and clamp   mm   2914     15   Overall height of fork @ full lift and clamp   in   267.8     16   Overall height of fork @ full lift and clamp open   in   267.8     17   Overall height of fork @ full lift and max. dump   mm   2344     17   Clearance @ full lift and max. dump   mm   2344     18   Clearance w/horizontal lift arms and fork level   in   66.9     19   Reach @ full lift and fork level   mm   2559.	12	Width over tines	in	86.0
14   Max. opening across tine and clamp   mm   2914     15   Overall height of fork @ full lift and clamp open   in   267.8     16   Overall length   mm   8992     17   Clearance @ full lift and max. dump   mm   2344     17   Clearance @ full lift and max. dump   mm   2344     18   Clearance w/horizontal lift arms and   mm   66.9     19   Reach @ full lift and fork level   mm   2559.3     10   Overall length   mm   2559.3     10   Overall length   mm   2559.3     11   Overall length   mm   2559.3     12   Overall length   mm   2559.3     13   Overall length   mm   2559.3     14   Overall length   mm   2559.3     15   Overall length   mm   2559.3     16   Overall length   mm   2559.3     17   Overall length   mm   2559.3     18   Overall length   mm   2559.3     19   Overall length   mm   2559.3     10   Overall length   mm   2559.3     17   Overall length   mm   2559.3     18   Overall length   mm   2559.3     19   Overall length   mm   2559.3     10   Overall lengt	12	Poach @ ground lovel	mm	2765
14   Max. opening across tine and clamp	13	iteach (@ ground level	in	109
14.7	11	Max opening across tine and clamp	mm	2914
clamp open   in 267.8     clamp open   in 267.8     clamp open   in 267.8     clamp open   in 369.2     clamp open   in 389.2     clearance @ full lift and max. dump   mm 2344     clearance whorizontal lift arms and   in 66.9     clearance whorizontal lift arms and   in 66.9     clearance whorizontal lift arms and   in 66.9     clearance whorizontal lift arms and   in 5559.     clearance whorizontal lift arms and   in 105.8     clearance whorizontal lift arms	'	Max. Opening across line and clamp	in	114.7
Clearance whorizontal lift and fork level   mm   267.8	15	Overall height of fork @ full lift and	mm	6803
Tip of tine to rear of machine         in 354.0           Clearance @ full lift and max. dump Discharge (if <> 45)         in 92.3           Is Clearance w/horizontal lift arms and fork level         in 66.9           Reach @ full lift and fork level         mm 2559.3           Is Reach @ sull lift and fork level         mm 2559.3           Is Reach @ sull lift and fork level         mm 2559.3           Is Reach @ sull lift and fork level         mm 2559.3           Is Reach @ sull lift and fork level         mm 2559.3           Is Reach @ sull lift and fork level         mm 2559.3           Is Reach @ sull lift and fork level         mm 2559.3           Is Reach @ sull lift and fork level         mm 2559.3           Is Reach @ sull lift and fork level         mm 2559.3           Is Reach @ sull lift and fork level         mm 2559.3		clamp open	in	267.8
Tip of tine to rear of machine in 354.0    17   Clearance @ full lift and max. dump   mm 2344     18   Clearance w/horizontal lift arms and   mm 1698.0     19   Reach @ full lift and fork level   mm 2559.3     19   Reach @ full lift and fork level   mm 2559.3     10   Clearance w/horizontal lift arms and   mm 1698.0     19   Reach @ full lift and fork level   mm 2559.3     10   Clearance w/horizontal lift arms and   mm 1698.0     10   Max. discharge angle from horizontal   deg 46	16		mm	8992
Discharge (if <> 45)			in	354.0
Clearance w/horizontal lift arms and fork level   mm   1698.1     19   Reach @ full lift and fork level   mm   2509.3     10   In the standard of the level   mm   2509.3     10   In the standard of the level   mm   2609.3     10   In the standard of the level   mm   2609.3     10   In the standard of the level   mm   2609.3     10   In the standard of the level   mm   2609.3     10   In the standard of the level   mm   2609.3     11   In the standard of the level   mm   2609.3     12   In the standard of the level   mm   2609.3     13   In the standard of the level   mm   2609.3     14   In the standard of the level   mm   2609.3     15   In the standard of the level   mm   2609.3     16   In the standard of the level   mm   2609.3     17   In the standard of the level   mm   2609.3     18   In the standard of the level   mm   2609.3     19   In the standard of the level   mm   2609.3     10   In the standard of the level   mm   2609.3	17			
18 fork level         in         66.9           19 Reach @ full lift and fork level         mm         2559.           10 Max. discharge angle from horizontal         deg         46				
19   Reach @ full lift and fork level   in   66.9     19   19   19   19   19   19   19	18			1698.0
in 100.8  20 Max, discharge angle from horizontal deg 46		tork level		
in 100.8 deg 46	19	Reach @ full lift and fork level		2559.3
zu Max. discharde angle from norizonial				
rad 0.8	20	Max. discharge angle from horizontal		
			rad	0.8



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



(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 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.

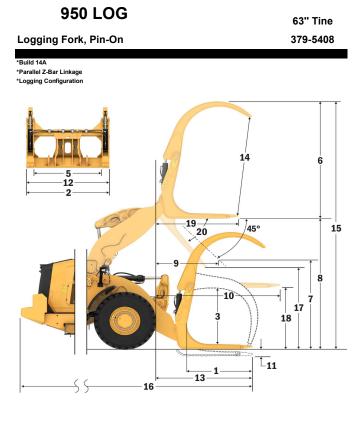
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization Hinge (B) Pin Height (mm)

<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

Early Chapifications

Fo	rk Specifications		
1	Tine length	mm	1609
	<u>_</u>	in	63.3
2	Fork width	mm	2332
		in	91.8
	End area	m2	1.9
	1. 21. 11.247	ft2	20
3	Inside Height	mm	1381
	(only applies to double top clamp)	in	54
4	Min. opening	mm	N/A
	(only applies to millyard forks)	in	N/A
	Operating Weight	kg 	20367
		lbs	44902
5	Distance inside of tine tips	mm	1776
	Ct-ti- tii Idtiid	in	70
	Static tipping load, articulated Fork level	kg	8748
	Static tipping load, straight	lbs	19285.0
	Fork level	kg	10260
	Max. height of fork	lbs	22619.7
6		mm	2944
	(w/clamp open if applicable) Clearance w/full lift, 45 deg dump	in	115.9
7	(if max. dump <> 45)	mm	2628
	(II max. dump <> 45)	in	103.5
8	Clearance @ full lift fork level	mm in	3762 148.1
	Reach w/full lift, 45 deg dump	mm	1589
9	(if max. dump <> 45)	in	62.6
		mm	3022
10	Reach w/lift arm horizontal and fork level	in	119.0
		mm	-65
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	in	-2.6
	Maria 6	mm	2298
12	Width over tines	in	90.5
		mm	2416
13	Reach @ ground level	in	95
		mm	2542
14	Max. opening across tine and clamp	in	100.1
	Overall height of fork @ full lift and	mm	6705
15	clamp open	in	264.0
40	Overall length	mm	8643
16	Tip of tine to rear of machine	in	340.3
4-	Clearance @ full lift and max. dump	mm	2613
17	Discharge (if <> 45)	in	102.9
	Clearance w/horizontal lift arms and	mm	1800.7
18	fork level	in	70.9



Hinge (B) Pin Height (mm)

20 Max. discharge angle from horizontal

19 Reach @ full lift and fork level

#### Capacity (kg) (Calculated Load at CG Point) 3629 5897 8165 10433 180

2285.1

90.0

in

deg 46

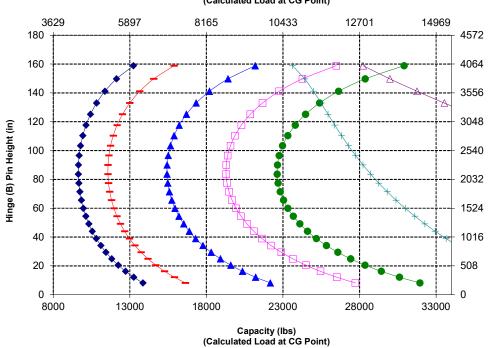
---- Hydraulic Lift Capacity NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant,

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

Lubricants, and Operator.

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

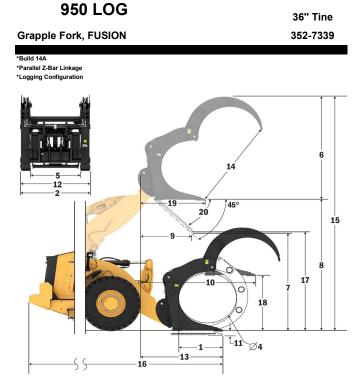
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization



<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

гυ	rk Specifications		
1	Tine length	mm in	917 36.1
		mm	1855
2	Fork width	in	73.0
		m2	2.5
	End area	ft2	2.3
	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
	Min. opening	mm	1450
4	(only applies to millyard forks)	in	57
	,	kg	20605
	Operating Weight	lbs	45426
_	Dist. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	1314
5	Distance inside of tine tips	in	52
	Static tipping load, articulated	kg	8102
	Fork level	lbs	17861.8
	Static tipping load, straight	kg	9542
	Fork level	lbs	21035.9
_	Max. height of fork	mm	3433
6	(w/clamp open if applicable)	in	135.1
7	Clearance w/full lift, 45 deg dump	mm	3023
'	(if max. dump <> 45)	in	119.0
8	Clearance @ full lift fork level	mm	3674
0	Clearance @ Idii IIII lork level	in	144.7
9	Reach w/full lift, 45 deg dump	mm	1071
	(if max. dump <> 45)	in	42.2
10	Reach w/lift arm horizontal and fork level	mm	2376
	Trought Will difficulties and form for the	in	93.6
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-153
		in	-6.0
12	Width over tines	mm	1850
		in	72.8
13	Reach @ ground level	mm	1834
		in	72
14	Max. opening across tine and clamp	mm	3123
		in	123.0
15	Overall height of fork @ full lift and	mm	7107
	clamp open	in	279.8
16	Overall length	mm	8061
	Tip of tine to rear of machine	in	317.4
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm :	2943
	Clearance w/horizontal lift arms and	in	115.9
18	fork level	mm	1713.3
		in mm	67.5
19	Reach @ full lift and fork level	in	1639.1 64.5
		deg	57
20	Max. discharge angle from horizontal	rad	1.0
	**I	iau	1.0



\*Negative values indicate below grade

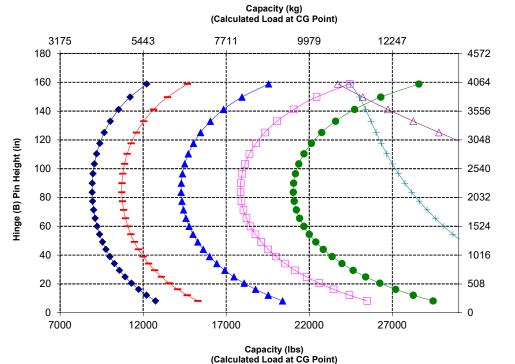


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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



Hinge (B) Pin Height (mm)

### **Fork Specifications**

**Fork Specifications** 

13 Reach @ ground level

clamp open

Overall length

15

14 Max. opening across tine and clamp

Overall height of fork @ full lift and

Tip of tine to rear of machine
Clearance @ full lift and max. dump
Discharge (if <> 45)

Clearance w/horizontal lift arms and

19 Reach @ full lift and fork level

1	Tine length	mm	1220
	Tille length	in	48.0
2	Fork width	mm	1855
	1 on man	in	73.0
	End area	m2	2.63
		ft2	28
3	Inside Height	mm	0
	(only applies to double top clamp)	in	0
4	Min. opening	mm	1448
	(only applies to millyard forks)	in	57
	Operating Weight	kg	20766
	- operating resigna	lbs	45781
5	Distance inside of tine tips	mm	1314
	<u> </u>	in	52
	Static tipping load, articulated	kg	7850
	Fork level	lbs	17305.9
	Static tipping load, straight	kg	9276
	Fork level	lbs	20448.9
6	Max. height of fork	mm	3356
	(w/clamp open if applicable)	in	132.1
7	Clearance w/full lift, 45 deg dump	mm	2841
	(if max. dump <> 45)	in	111.9
8	Clearance @ full lift fork level	mm	3747
		in	147.5
9	Reach w/full lift, 45 deg dump	mm	1356
	(if max. dump <> 45)	in	53.4
10	Reach w/lift arm horizontal and fork level	mm	2707
	Trouble Millian Honzonial and John 10701	in	106.6
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-80
	Croana to Bottom or 100, at minimum Horgitt and 100, E000	in	-3.2
12	Width over tines	mm	1850
		in	72.8

in mm

in mm 3027

in

in

mm 2707 106.6

in

mm

in

deg 57

rad

83

119.2

279 7

8338 mm

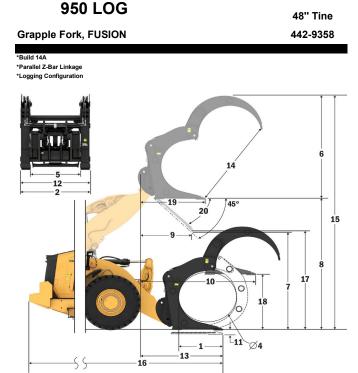
328.3

1786.0

70.3 1969.4

77.5

1.0



Hinge (B) Pin Height (mm)

20 Max, discharge angle from horizontal

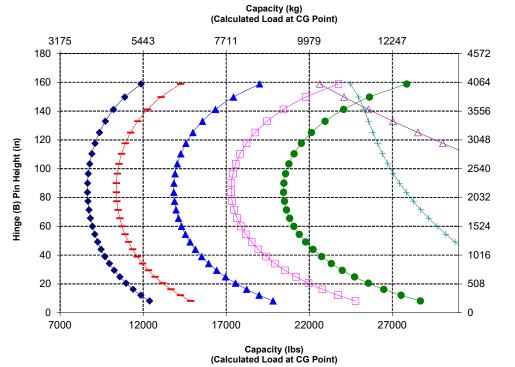


**NOTE:** Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator,

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

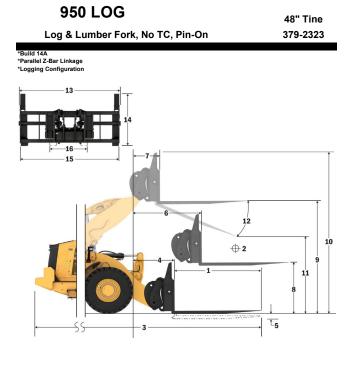
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization



<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
_	Load Ceriter	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	11263
	11 3 3 ( )	lbs	24823 9775
	Static Tipping Load - Articulated (Forks Level)	kg lbs	2154
	D	kg	4888
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	1077
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5865
	Trated Load (OLIV LIV 474-5 Rough Terrain - 00 /01 101L)	lbs	1292
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	7820
	,	lbs	1723
3	Maximum Overall Length	mm in	8567 337.3
_		mm	1121
4	Reach with Forks at Ground Level	in	44.1
-	*Constitution of Time of Minimum Uninest and Foot Local	mm	-83
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	1667
_	Treach with Annis Honzontal and Forks Level	in	65.6
7	Reach with Fork at Maximum Height	mm	930
	<u> </u>	in	36.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1848 72.8
_		mm	3809
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.0
40	O	mm	5345
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.4
11	Clearance at Full Lift and Max Dump	mm	2698
•••	Clourance at rain Ent and Max Bump	in	106.2
12	Max Discharge Angle from Horizontal	deg	46
13	Overall Carriage Width	mm	2470
_		in	97.3 1601
14	Overall Carriage Height	mm in	63.0
		mm	2366
15	Outside Tine Width (max spread)	in	93.1
40	Outside Tine Width (min spread)	mm	1002
10	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	(0.2 3)	in	7.1
	Tine Thickness	mm	65.0
		in	2.6 1050
	Tine Capacity	kg lbs	2314
		เมธ	2014
	Operating Weight	kg	1903



\*Negative values indicate below grade



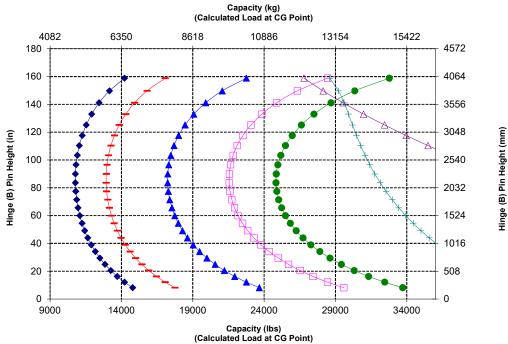
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

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

Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

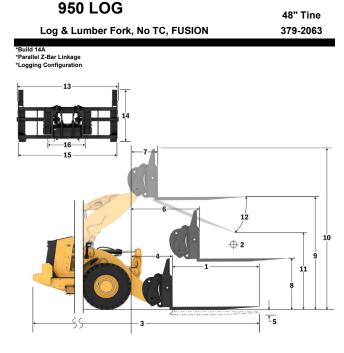




### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
_	Load Certer	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	10594
		lbs	23350
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9148 20161
		kg	4574
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	10081
	D + 11	kg	5489
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	12097
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7318
	Nated Load (CEN EN 474-3 Fill and Level Glound - 60% F131L)	lbs	16129
3	Maximum Overall Length	mm	8653
_	Waximum Overali Eengur	in	340.7
4	Reach with Forks at Ground Level	mm	1207
_		in	47.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
		in	-3.2 1755
6	Reach with Arms Horizontal and Forks Level	mm in	69.1
_		mm	1018
7	Reach with Fork at Maximum Height	in	40.1
_	0 11 7 77 77 11 1 15 11 1	mm	1850
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3811
9	Ground to Top of Time at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5350
	Overall Height of Fork at Fall (top of barriage to ground)	in	210.6
11	Clearance at Full Lift and Max Dump	mm	2572
		in	101.3
12	Max Discharge Angle from Horizontal	deg	50
	0 110 : 147:111	mm	2470
13	Overall Carriage Width	in	97.3
4.4	Overall Carriage Height	mm	1603
14	Overall Carriage Height	in	63.1
15	Outside Tine Width (max spread)	mm	2366
	Outside Title Width (max spread)	in	93.1
16	Outside Tine Width (min spread)	mm	1002
_	· ( i /	in	39.4
	Tine Width (single tine)	mm in	180.0
		mm	7.1 65.0
	Tine Thickness	in	2.6
		kg	10500
	Tine Capacity	lbs	23142
		kg	19534
	Operating Weight		



\*Negative values indicate below grade

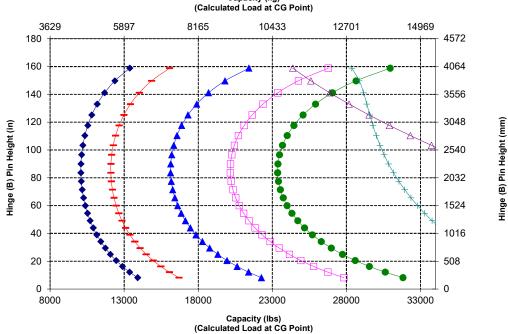
### 3629 180

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. tipping load on firm and level ground or hydraulic limit.

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

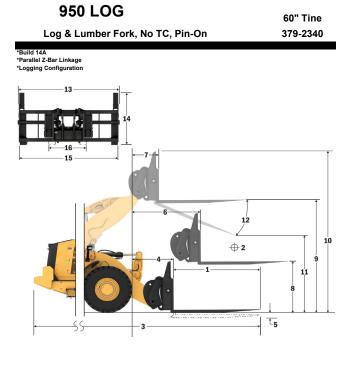


Capacity (kg)



#### **Fork Specifications**

	<del>-</del>		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
_	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	10478
		lbs	23094
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9071 19993
		kg	4536
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9996
	Detect Level (OFN EN 474 & Decemb Terreion COO/ FTOTI )	kg	5443
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11996
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7257
	Traica coda (OCIT CIT 474 OT IIII dila covoi Ciodila - 00701 1012)	lbs	15994
3	Maximum Overall Length	mm	8915
_	maximam o refair Length	in	351.0
4	Reach with Forks at Ground Level	mm	1164
		in	45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-83 -3.3
		mm	1692
6	Reach with Arms Horizontal and Forks Level	in	66.6
_	B 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	955
7	Reach with Fork at Maximum Height	in	37.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1873
0	Ground to Top or Title with Arms Horizontal and Fork Level	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3834
_	Ordana to Top or Timo at maximum Floight and Fort 2010	in	151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5345
	· · · · · · · · · · · · · · · · · · ·	in	210.4
11	Clearance at Full Lift and Max Dump	mm in	2461 96.9
12	Max Discharge Angle from Horizontal	deg	46
13	Overall Carriage Width	mm in	2470 97.3
		mm	1601
14	Overall Carriage Height	in	63.0
		mm	2366
15	Outside Tine Width (max spread)	in	93.1
16	Outside Tine Width (min spread)	mm	1002
10	Outside Title Width (Hill Spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	··· ··· \g-v wiio/	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	15906
	· · ·	lbs	35057
	Operating Weight	kg	19232
	Operating Weight	lbs	42388



\*Negative values indicate below grade

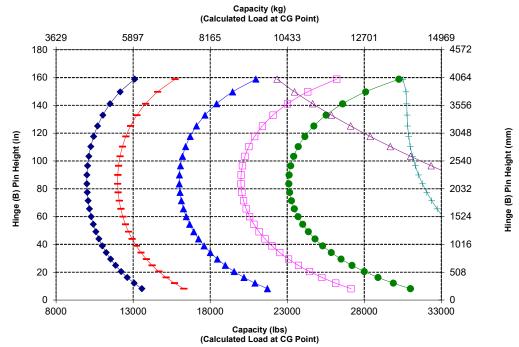


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

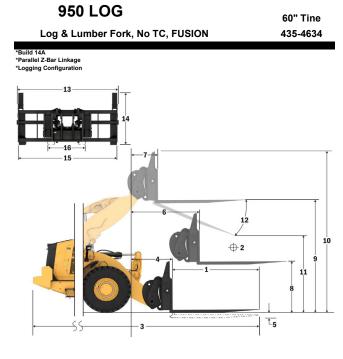




### **Fork Specifications**

#### **Fork Specifications**

	rk opcomedions		
1	Tine Length	mm in	1524 60.0
_		mm	762
2	Load Center	in	30.0
	Otatic Timeire I and Otacielt (Forder I avel)	kg	9854
	Static Tipping Load - Straight (Forks Level)	lbs	21718
	Static Tipping Load - Articulated (Forks Level)	kg	8486
	Static Tipping Load - Articulated (Forks Level)	lbs	18702
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4243
	Traica Edad (G/IE 01107 - 00701 101E)	lbs	9351
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5091
	······································	lbs	11221
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6788
	(- , , , , , , , , , , , , , , , , , , ,	lbs	14962
3	Maximum Overall Length	mm	9007
		in	354.6
4	Reach with Forks at Ground Level	mm	1256
		in	49.5 -81
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-3.2
	<u> </u>	mm	1786
6	Reach with Arms Horizontal and Forks Level	in	70.3
_		mm	1049
7	Reach with Fork at Maximum Height	in	41.3
_	0 11 7 17 11 1 11 1 15 11 1	mm	1875
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3836
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5347
10	Overall rieight of Fork at Full Lift (top of carriage to ground)	in	210.5
11	Clearance at Full Lift and Max Dump	mm	2315
	Oldarando at Fall Ent and Max Bump	in	91.1
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2176
		in	85.7
14	Overall Carriage Height	mm in	1601 63.0
		mm	2084
15	Outside Tine Width (max spread)	in	82.0
		mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tin - Militale (-in-el- 4in-e)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	Title THICKNESS	in	3.5
	Tipo Consoity	kg	15906
	Tine Capacity	lbs	35057
	Operating Weight	kg	19715
	Operating Progrit	lbs	43453



\*Negative values indicate below grade

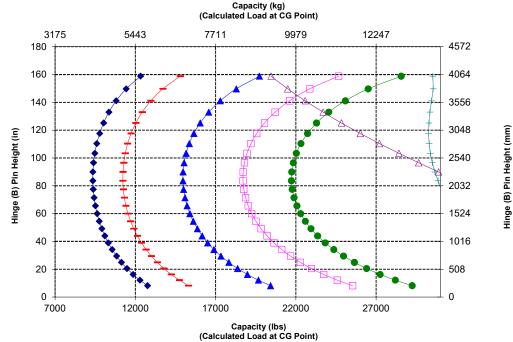


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

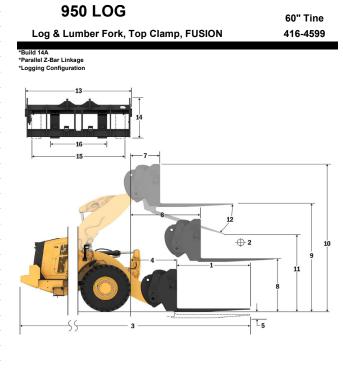
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	nk opcomeditions		
1	Tine Length	mm in	1524 60.0
_	1 10 1	mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9703
	Static ripping Load - Straight (Forks Level)	lbs	21385
	Static Tipping Load - Articulated (Forks Level)	kg	8353
	otatio ripping zoda i rationation (rionto zorol)	lbs	18410
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4177
	,	lbs	9205 5012
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	11046
		ka	6683
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14728
_		mm	9021
3	Maximum Overall Length	in	355.2
4	Reach with Forks at Ground Level	mm	1270
	Neach with Forks at Glound Level	in	50.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-70
	Ground to Bottom of time at william thought and tork Level	in	-2.8
6	Reach with Arms Horizontal and Forks Level	mm	1826
		in	71.9
7	Reach with Fork at Maximum Height	mm	1089 42.9
	<u> </u>	in mm	1860
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.2
_		mm	3821
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.4
40	O	mm	5336
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.1
11	Clearance at Full Lift and Max Dump	mm	2420
	Clearance at run Ent and wax bump	in	95.3
12	Max Discharge Angle from Horizontal	deg	44
13	Overall Carriage Width	mm	2537
13	Overall Carriage Width	in	99.9
14	Overall Carriage Height	mm	1578
	Overall Guinage Fleight	in	62.1
15	Outside Tine Width (max spread)	mm	2339
	<del></del>	in	92.1
16	Outside Tine Width (min spread)	mm in	742 29.2
		mm	203.2
	Tine Width (single tine)	in	8.0
	T 7:1	mm	63.5
	Tine Thickness	in	2.5
	Tine Canacity	kg	7170
	Tine Capacity	lbs	15803
	Operating Weight	kg	19734
	Operating Weight	lbs	43494



\*Negative values indicate below grade

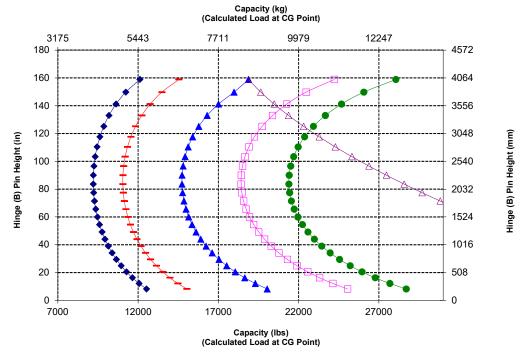


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

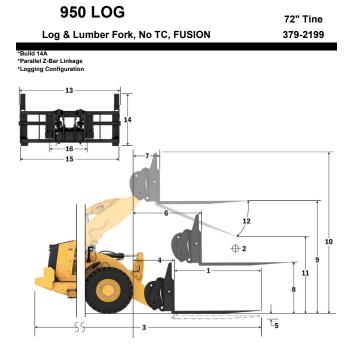




### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
_	1	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9369
	otatio ripping 2000 ottaign (i onto 2010)	lbs	20649
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8057 17757
		kg	4028
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8879
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4834
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	10654
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	6445
		lbs	14206
3	Maximum Overall Length	mm	9312 366.6
	<del>-</del>	in mm	1256
4	Reach with Forks at Ground Level	in	49.5
_	** ** ** **	mm	-81
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.2
6	Reach with Arms Horizontal and Forks Level	mm	1786
	Treach with Annis Honzontal and Forks Level	in	70.3
7	Reach with Fork at Maximum Height	mm	1049
		in	41.3 1875
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	73.8
_	Consider Toward Time at Manifeston Height and Food Lavel	mm	3836
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5350
-10	Overall Fleight of Fork at Full Lift (top of carriage to ground)	in	210.6
11	Clearance at Full Lift and Max Dump	mm	2081
	<u>'</u>	in	81.9
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2470
	Overall Carriage Vilati	in	97.3
14	Overall Carriage Height	mm	1603
_		in mm	63.1 2366
15	Outside Tine Width (max spread)	in	93.1
	0.1:1 T W: W / : D	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	Title Wider (onlyie title)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	12600
_	<u> </u>	lbs kg	27770 19797
	Operating Weight	lbs	43633
		100	10000



\*Negative values indicate below grade

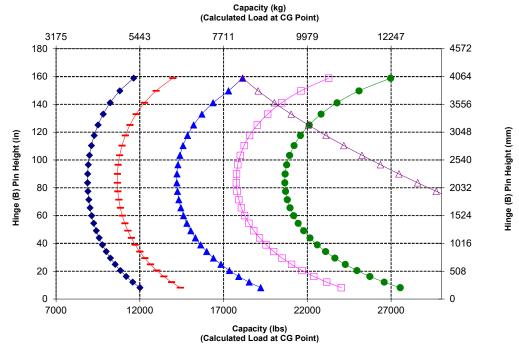


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

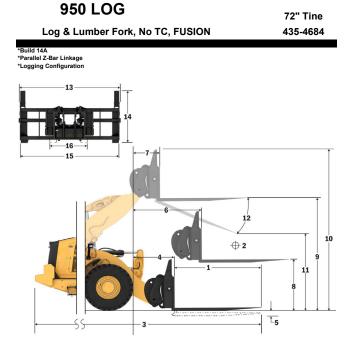
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

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	9364
	Otatio ripping Load - Otraight (1 Onto Level)	lbs	20639
	Static Tipping Load - Articulated (Forks Level)	kg	8055
	· · · · · · · · · · · · · · · · · · ·	lbs kg	17752 4027
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8876
	Detect Lend (OFN FN 474 2 Period Terrain CON/ FTCT)	kg	4833
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10651
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6444
	Nated Load (OEN EN 474-31 IIIII and Level Glound - 00 /01 101E)	lbs	14202
3	Maximum Overall Length	mm	9312
		in	366.6
4	Reach with Forks at Ground Level	mm	1256 49.4
		in mm	-81
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.2
	Death with Association of Ended Level	mm	1786
6	Reach with Arms Horizontal and Forks Level	in	70.3
7	Reach with Fork at Maximum Height	mm	1049
	Treach with Fork at Maximum Fleight	in	41.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1875
_	<u>'</u>	in mm	73.8 3836
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.0
		mm	5347
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.5
11	Clearance at Full Lift and Max Dump	mm	2081
	Olearance at 1 dir Lint and Wax Dump	in	81.9
12	Max Discharge Angle from Horizontal	deg	50
	3 0		2176
13	Overall Carriage Width	mm in	85.7
		mm	1601
14	Overall Carriage Height	in	63.0
45	Outside Tine Width (max spread)	mm	2084
15	Outside Tine Width (max spread)	in	82.0
16	Outside Tine Width (min spread)	mm	1002
	Catolae Tine Trian (Illin oproda)	in	39.4
	Tine Width (single tine)	mm	180.0
		in mm	7.1 90.0
	Tine Thickness	in	3.5
	Ti 0it-	kg	12600
	Tine Capacity	lbs	27770
	Operating Weight	kg	19777
	Operating weight	lbs	43589



\*Negative values indicate below grade

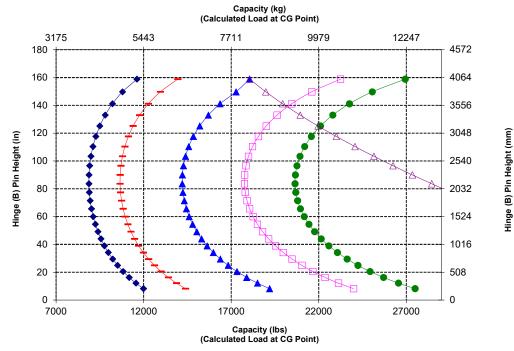


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

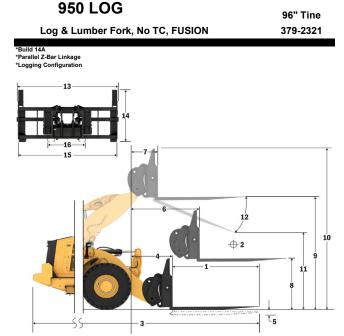




### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
_	Land Control	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8487
	Otatio Tipping Load - Otalight (Folio Level)	lbs	18706
	Static Tipping Load - Articulated (Forks Level)	kg	7280
	· · · · · · · · · · · · · · · · · · ·	lbs	16045
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3640 8022
		kg	4368
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9627
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5824
	Nated Load (CEN EN 474-3 Film and Level Glound - 60% F131L)	lbs	12836
3	Maximum Overall Length	mm	9922
_	Maximum Overall Length	in	390.6
4	Reach with Forks at Ground Level	mm	1257
_		in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
		in	-3.2 1787
6	Reach with Arms Horizontal and Forks Level	mm in	70.3
_		mm	1049
7	Reach with Fork at Maximum Height	in	41.3
_	0 11 7 77 71 4 11 1 15 11 1	mm	1875
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3836
9	Ground to Top of Time at Maximum Height and Fork Level	in	151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5350
	O Totali Floight of Forthact all Elit (top of carriago to ground)	in	210.6
11	Clearance at Full Lift and Max Dump	mm	1614
	<u>'</u>	in	63.6
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2470
		in	97.3 1603
14	Overall Carriage Height	mm in	63.1
_		mm	2366
15	Outside Tine Width (max spread)	in	93.1
	O 1 1 T WOW / 1 D	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	Title Width (Single title)	in	7.1
	Tine Thickness	mm	90.0
	THE THORICO	in	3.5
	Tine Capacity	kg	10100
	* 1 - 7	lbs	22260
	Operating Weight	kg	19925
	-1 3 3	lbs	43915



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, Coolant, Lubricants, and Operator.

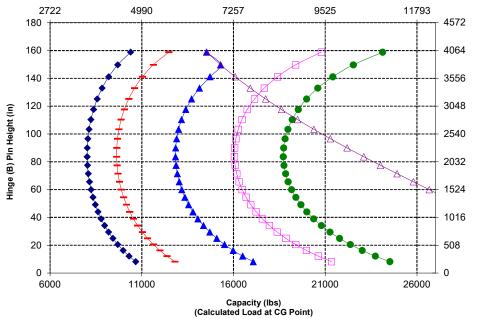
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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.

tipping load on firm and level ground or hydraulic limit.

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

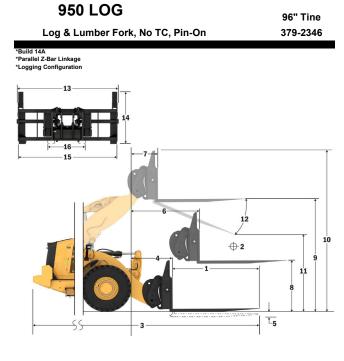
### Capacity (kg) (Calculated Load at CG Point)





#### **Fork Specifications**

2	2438 96.0 1219 48.0 9004 19846 7769 17123 3884 8561 4661 10274 6215 13698 9829 387.0 1164
2         Load Center         mm         fin           Static Tipping Load - Straight (Forks Level)         kg         6           Static Tipping Load - Articulated (Forks Level)         kg         7           Rated Load (SAE J1197 - 50% FTSTL)         kg         3           Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)         kg         4           Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         kg         6           Bated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         kg         6           Maximum Overall Length         mm         6           A Reach with Forks at Ground Level         mm         6	1219 48.0 9004 19846 7769 17123 3884 8561 4661 10274 6215 13698 9829 387.0 1164
Static Tipping Load - Straight (Forks Level)   kg   kg   kg   kg   kg   kg   kg   k	9004 19846 7769 17123 3884 8561 4661 10274 6215 13698 9829 387.0 1164
Static Tripping Load - Straight (Forks Level)   Ibs	19846 7769 17123 3884 8561 4661 10274 6215 13698 9829 387.0 1164
Static Tipping Load - Articulated (Forks Level)   los   1	7769 17123 3884 8561 4661 10274 6215 13698 9829 387.0 1164
Rated Load (SAE J1197 - 50% FTSTL)   kg   Skg   Skg	17123 3884 8561 4661 10274 6215 13698 9829 387.0 1164
Rated Load (SAE J1197 - 50% FTSTL)   kg   5   lbs   8   kg   5   lbs   1   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   kg   4   lbs   1   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   kg   6   lbs   1   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   kg   kg   5   lbs   1   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   kg   kg   kg   kg   kg   kg   k	3884 8561 4661 10274 6215 13698 9829 387.0 1164
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated	4661 10274 6215 13698 9829 387.0 1164
Rated Load (CEN EN 474-3 Rough Terrain - 00% FTSTL)   Ibs   1	10274 6215 13698 9829 387.0 1164
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	6215 13698 9829 387.0 1164
1   1   1   1   1   1   1   1   1   1	13698 9829 387.0 1164
3 Maximum Overall Length mm 5 in 3	9829 387.0 1164
3 Maximum Overall Length in 3 4 Reach with Forks at Ground Level mm	387.0 1164
4 Reach with Forks at Ground Level mm 1	1164
in 4	45.8
	-83
In .	-3.3
	1692 66.6
	955
	37.6
	1873
<u> </u>	73.8
	3834
no no	<u>151.0</u> 5345
	210.4
	1805
in in	71.1
12 Max Discharge Angle from Horizontal deg	46
	2470
in s	97.3
	1601 63.0
mm (	2366
	93.1
16 Outside Tine Width (min spread) mm 1	1002
` ' ' ' IN ',	39.4
Tine Width (single tine) mm 1	180.0 7.1
mm (	90.0
	3.5
lea 1	10100
	22260
	19422
Operating Weight lbs 4	12807



\*Negative values indicate below grade

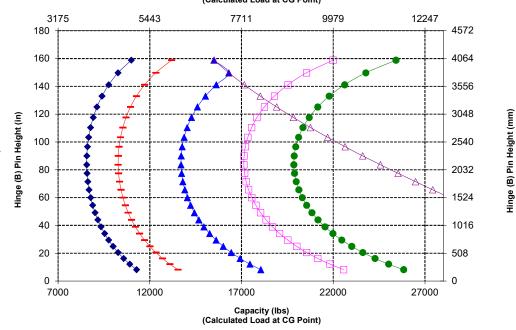
#### Capacity (kg) (Calculated Load at CG Point)



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



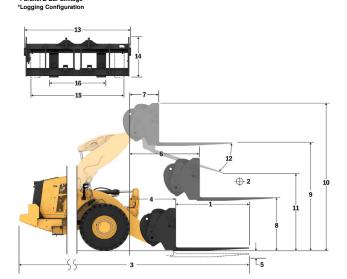


### **Fork Specifications**

#### **Fork Specifications**

10	ik opecilications		
1	Tine Length	mm in	2438 96.0
_		mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8484
	Static ripping Load - Straight (Forks Level)	lbs	18699
	Static Tipping Load - Articulated (Forks Level)	kg	7279
		lbs	16042
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3639 8021
	<u> </u>	kg	4367
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9625
	Detect Lead (OEN EN 474 O Firm and Level Convert 2001) FTOTI \	ka	5823
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12834
3	Maximum Overall Length	mm	9922
	Maximum Overali Lengui	in	390.6
4	Reach with Forks at Ground Level	mm	1257
	Trouble Main onto at Oroana 20101	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
	<del></del>	in	-3.2
6	Reach with Arms Horizontal and Forks Level	mm	1787
		in	70.3
7	Reach with Fork at Maximum Height	mm in	1049 41.3
		mm	1875
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.8
_	Oncome data Toronat Time at Marrison and United and Foods Level	mm	3836
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5347
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.5
11	Clearance at Full Lift and Max Dump	mm	1614
	Olouranoo at i an Elit ana max bamp	in	63.6
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm in	2176 85.7
		mm	1601
14	Overall Carriage Height	in	63.0
4-	O 1 11 T W/ W / D	mm	2084
15	Outside Tine Width (max spread)	in	82.0
16	Outside Tine Width (min spread)	mm	1002
10	Outside Title Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	Time Triadir (emigle and)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	10100
	· · · · · · · · · · · · · · · · · · ·	lbs	22260
	Operating Weight	kg lbs	19905 43871
		ibs	430/1





Hinge (B) Pin Height (mm)

#### ...g---- - ..... g----

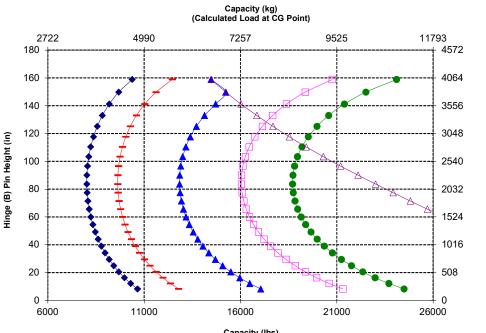


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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



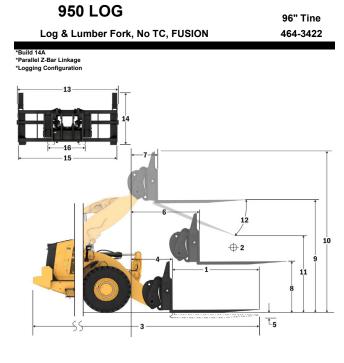
Capacity (lbs) (Calculated Load at CG Point)



<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
_	Land Control	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8386
	Otatio Tipping Load - Otalight (Folio Level)	lbs	18483
	Static Tipping Load - Articulated (Forks Level)	kg	7189
	· · · · · · · · · · · · · · · · · · ·	lbs	15844
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3594 7922
_		kg	4313
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9507
	Detail and (OFN FN 474 & Firm and Lavel Occurs 1, 200/, FTCTL)	ka	5751
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	1267
3	Maximum Overall Length	mm	9954
<u>.</u>	Waximum Overali Lengui	in	391.9
4	Reach with Forks at Ground Level	mm	1289
_	Treath with one at Ground Ecver	in	50.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-89
_	<del></del>	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1813
_		in	71.4
7	Reach with Fork at Maximum Height	mm in	1076 42.3
_		mm	1867
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.5
_	Construction of Time of Manifestory United and Foots Level	mm	3828
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.7
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5262
10	Overall Height of Fork at Full Lift (top of carnage to ground)	in	207.2
11	Clearance at Full Lift and Max Dump	mm	1782
• •	Oldarando at Fair Ent and Max Bamp	in	70.2
12	Max Discharge Angle from Horizontal	deg	44
	<u> </u>		0040
13	Overall Carriage Width	mm in	2812 110.7
		mm	1524
14	Overall Carriage Height	in	60.0
		mm	2697
15	Outside Tine Width (max spread)	in	106.2
40	Outside Ties (Midtle (esia seesed))	mm	1002
10	Outside Tine Width (min spread)	in	39.4
	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	10100
	- 1 7	lbs	22260
	Operating Weight	kg	19956
		lbs	43984



\*Negative values indicate below grade

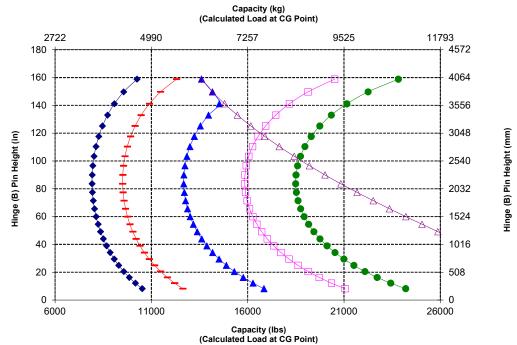


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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



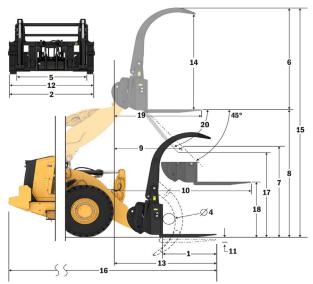


### **Fork Specifications**

#### **Fork Specifications**

1	Tine length	mm	1219
1	Tine length	in	48.0
2	Fork width	mm	1893
_	FOIK WIGHT	in	74.5
	End area	m2	1.45
	Liid alea	ft2	16
3	Inside Height	mm	0
<u> </u>	(only applies to double top clamp)	in	0
4	Min. opening	mm	325
_	(only applies to millyard forks)	in	13
	Operating Weight	kg	20468
	Operating Weight	lbs	45124
5	Distance inside of tine tips	mm	1409
_	·	in	55
	Static tipping load, articulated	kg	8058
	Fork level	lbs	17763.
	Static tipping load, straight	kg	9467
	Fork level	lbs	20871.
6	Max. height of fork	mm	2932
_	(w/clamp open if applicable)	in	115.4
7	Clearance w/full lift, 45 deg dump	mm	2535
_	(if max. dump <> 45)	in	99.8
8	Clearance @ full lift fork level	mm	3732
		in	146.9
9	Reach w/full lift, 45 deg dump	mm	1640
_	(if max. dump <> 45)	in	64.6
10	Reach w/lift arm horizontal and fork level	mm	3125
		in	123.0
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-96
		in	-3.8
12	Width over tines	mm	1769
		in	69.6
13	Reach @ ground level	mm	2595
		in	102
14	Max. opening across tine and clamp	mm	2635
	Overall height of fork @ full lift and	in	103.7
15	Overall height of fork @ full lift and	mm	6664
	clamp open Overall length	in	262.3
16	Tip of tine to rear of machine	mm	8822
	Clearance @ full lift and max. dump	in	347.3
17	Discharge (if <> 45)	mm	2348 92.5
	Clearance w/horizontal lift arms and	in mm	1770.0
18	fork level		
_		in	69.7
19	Reach @ full lift and fork level	mm	2387.
		in	94.0
20	Max. discharge angle from horizontal	deg	57
_		rad kg	1.0
	Tine Capacity	lbs	31076
	*Negative values indicate below grade	0	0.07





Hinge (B) Pin Height (mm)

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.

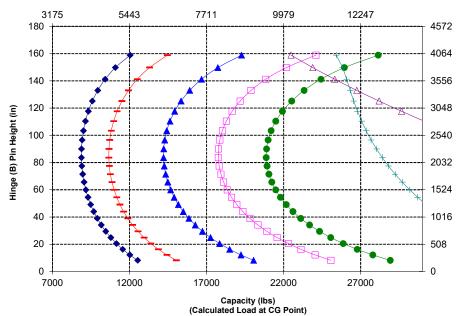
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load or some static tipping load or hydraulic limit.

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

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

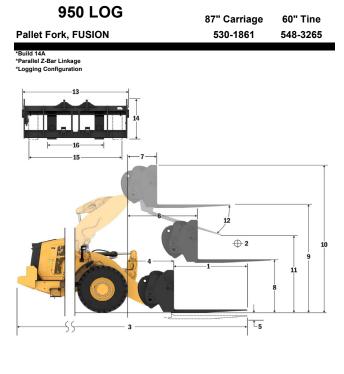




<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

	oposinounono		
1	Tine Length	mm in	1524 60.0
_	1 10 1	mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	10212
	Static ripping Load - Straight (Forks Level)	lbs	22506
	Static Tipping Load - Articulated (Forks Level)	kg	8830
		lbs	19461
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4415 9730
		lbs kg	5298
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11676
	D + 11	ka	7064
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15568
3	Maximum Overall Length	mm	9009
3	Maximum Overali Lengin	in	354.7
4	Reach with Forks at Ground Level	mm	1258
_	Treach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-160
_	Cround to Dottom of Timo at Miniman Trought and Tont 2010	in	-6.3
6	Reach with Arms Horizontal and Forks Level	mm	1752
_		in	69.0
7	Reach with Fork at Maximum Height	mm	1014
	<u> </u>	in mm	39.9 1772
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	69.7
_		mm	3733
9	Ground to Top of Tine at Maximum Height and Fork Level	in	147.0
	0	mm	4508
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	177.5
11	Clearance at Full Lift and Max Dump	mm	2365
• • •	Clearance at Full Lift and Max Dump	in	93.1
12	Max Discharge Angle from Horizontal	deg	46
	Max Disoriarge 7 trigle from Fronzontal		
13	Overall Carriage Width	mm	2217
	g	in	87.3
14	Overall Carriage Height	mm	840
_	<u> </u>	in mm	33.1 2070
15	Outside Tine Width (max spread)	in	81.5
		mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine (Midth (single tine)	mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
	THE THICKNESS	in	2.6
	Tine Capacity	kg	6300
		lbs	13885
	Operating Weight	kg	19410
	-r	lbs	42780



\*Negative values indicate below grade

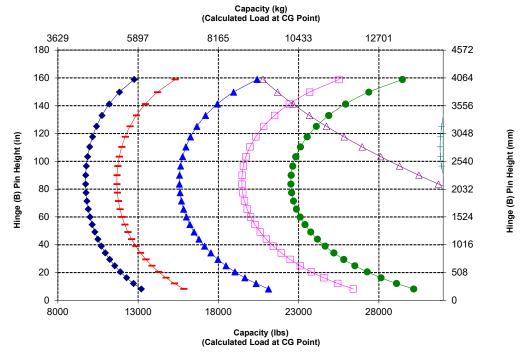


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

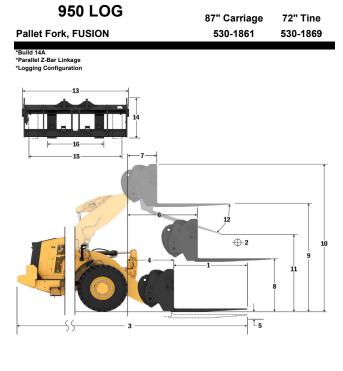




### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Ceriter	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9720 21422
		kg	8398
	Static Tipping Load - Articulated (Forks Level)	lbs	18509
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4199
	Nated Load (SAE 31197 - 30 % F131L)	lbs	9255
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5039
		lbs	11106
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	6718 14808
		mm	9315
3	Maximum Overall Length	in	366.7
4	Reach with Forks at Ground Level	mm	1258
	Trouble Will Folks at Ground Edvor	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-160
		in mm	-6.3 1752
6	Reach with Arms Horizontal and Forks Level	in	69.0
7	Described for the Mandage of Mand	mm	1014
,	Reach with Fork at Maximum Height	in	39.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
		in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3733 147.0
	0	mm	4508
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	177.5
11	Clearance at Full Lift and Max Dump	mm	2145
	Oldarando at Fair Lint and Max Barrip	in	84.5
12	Max Discharge Angle from Horizontal	deg	46
13	Overall Carriage Width	mm in	2217 87.3
	0 10 : 11:11	mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
-13	Outside Title Width (Max spread)	in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
		mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
	THE THORIESS	in	2.6
	Tine Capacity	kg	5246
	· ,	lbs	11562
	Operating Weight	kg lbs	19457 42884
		เมอ	72004



\*Negative values indicate below grade

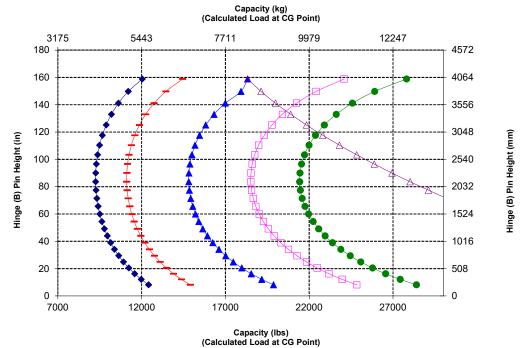


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

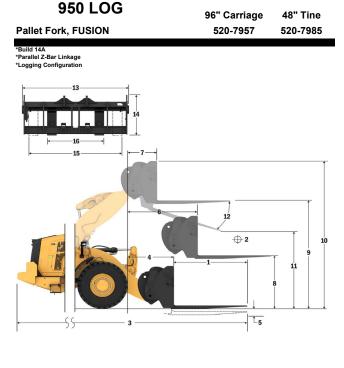
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

nk opecifications		
Tine Length	mm	1219 48.0
Load Center	mm	610
Load Ceriter	in	24.0
Static Tipping Load - Straight (Forks Level)		10487
		23112 9035
Static Tipping Load - Articulated (Forks Level)	lbs	19913
Poted Load (CAE 11107 FOW FTSTL)	kg	4518
Rated Load (SAE J1197 - 50% F151L)	lbs	9957
Rated Load (CEN EN 474-3 Rough Terrain - 60% ETSTL)	kg	5421
Tracou Louis (OLIT LIT II TO Trought Tolliam OO 70 TOTE)		11948
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		7228
<u> </u>		15931 8659
Maximum Overall Length		340.9
D 1 31 E 1 10 11 1		1212
Reach with Forks at Ground Level	in	47.7
*Cround to Pottom of Tino at Minimum Height and Early Lavel	mm	-79
Ground to Bottom of Time at William Height and Pork Level	in	-3.1
Reach with Arms Horizontal and Forks Level	mm	1744
		68.6
Reach with Fork at Maximum Height		1006 39.6
		1877
Ground to Top of Tine with Arms Horizontal and Fork Level		73.9
Oncomed to Ton of Time at Manifestory United and Foots Level	mm	3838
Ground to Top of Tine at Maximum Height and Fork Level	in	151.1
Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
Overall freight of Fork at Full Lift (top of carriage to ground)	in	192.1
Clearance at Full Lift and Max Dump		2550
<u> </u>	ın	100.4
Max Discharge Angle from Horizontal	deg	52
Overall Carriage Width	mm	2528
		99.5
Overall Carriage Height		1130
		44.5 2178
Outside Tine Width (max spread)		85.7
Outside Time Milate (sein seussal)	mm	576
Outside Tine Width (min spread)	in	22.7
Tine Width (single tine)	mm	180.0
This Trial (Single this)	in	7.1
Tine Thickness	mm	90.0
		3.5
Tine Capacity		22200 48929
		19719
Operating Weight		43461
	Tine Length  Load Center  Static Tipping Load - Straight (Forks Level)  Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Maximum Overall Length  Reach with Forks at Ground Level  *Ground to Bottom of Tine at Minimum Height and Fork 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)  Tine Width (single tine)  Tine Thickness	Tine Length mm in In Load Center mm in Static Tipping Load - Straight (Forks Level) kg lbs Static Tipping Load - Articulated (Forks Level) kg Rated Load (SAE J1197 - 50% FTSTL) kg Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) kg Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg Rated Load (CEN EN 474-3 Firm and Level Ground



\*Negative values indicate below grade

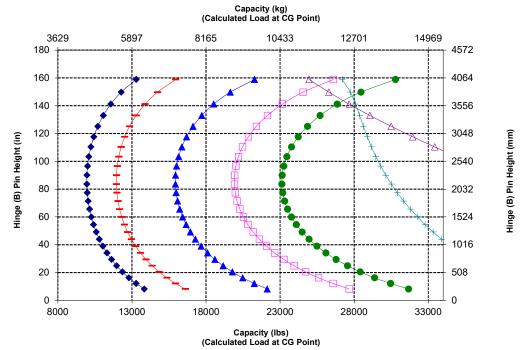


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

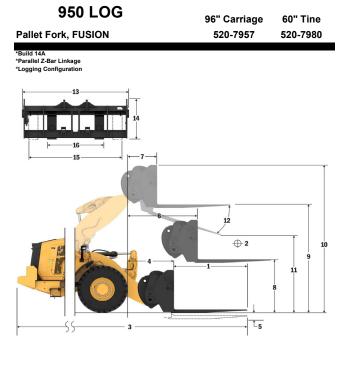




# **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1524 60.0
_	1 10 1	mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9944
	Static ripping Load - Straight (Forks Level)	lbs	21916
	Static Tipping Load - Articulated (Forks Level)	kg	8558
	11 3 ( )	lbs	18862
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4279 9431
	, ,	kg	5135
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11317
	Detect Lond (OEN EN 474 O Firm and Lovel Convert 2001/ FTOTI )	ka	6846
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15089
3	Maximum Overall Length	mm	8964
	Waxiinum Overali Lengui	in	352.9
4	Reach with Forks at Ground Level	mm	1213
_	Trouble Main onto at Oroana 2010	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
_	<u> </u>	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm in	1744 68.7
		mm	1007
7	Reach with Fork at Maximum Height	in	39.6
_		mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3838
9	Ground to Top of Time at Maximum Height and Fork Level	in	151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
	Overall Height of Fork at Fall Lift (top of barriage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm	2309
	<u>'</u>	in	90.9
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2528
	Overall Garriage vitati	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
	Tin - Militale (-in-el- 4in-e)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	17800
	Timo Supusity	lbs	39231
	Operating Weight	kg	19785
	-r	lbs	43607



\*Negative values indicate below grade

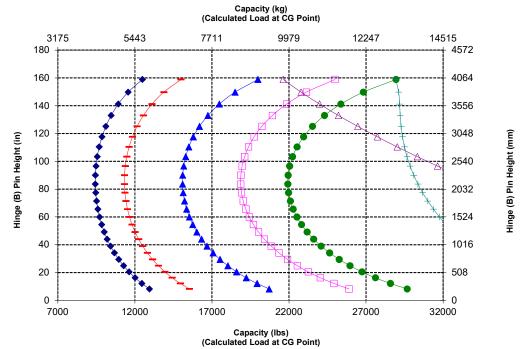


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

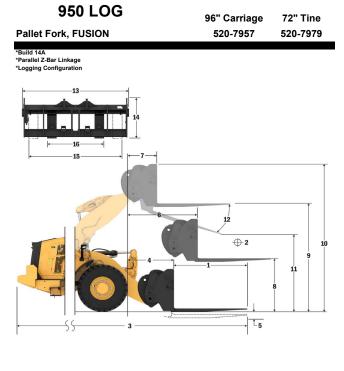
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

% FTSTL)	mm in mm in kg lbs kg lbs	1829 72.0 915 36.0 9446 20819 8121 17898 4060 8949
	mm in kg lbs kg lbs kg lbs kg	915 36.0 9446 20819 8121 17898 4060
	in kg lbs kg lbs kg lbs	36.0 9446 20819 8121 17898 4060
	lbs kg lbs kg lbs kg	20819 8121 17898 4060
	kg Ibs kg Ibs kg	8121 17898 4060
	lbs kg lbs kg	17898 4060
	kg Ibs kg	4060
	lbs kg	
	kg	
		4872
ind 90% ETSTI	lbs	10739
	kg	6496
and 00701 1012)	lbs	14318
	mm	9269
		364.9
		1213 47.7
		-79
d Fork Level		-3.1
	mm	1744
	in	68.7
	mm	1007
	in	39.6
Fork Level	mm	1877
		73.9
ork Level		3838 151.1
		4878
to ground)		192.1
	mm	2068
	in	81.4
	dea	52
		2528
		99.5 1130
		44.5
		2178
		85.7
	mm	576
	in	22.7
	mm	180.0
	in	7.1
	mm	
	mm	90.0
	in	3.5
	in kg	3.5 14800
	in	
	d Fork Level  Fork Level  ork Level  to ground)	in mm in in in mm in i



\*Negative values indicate below grade

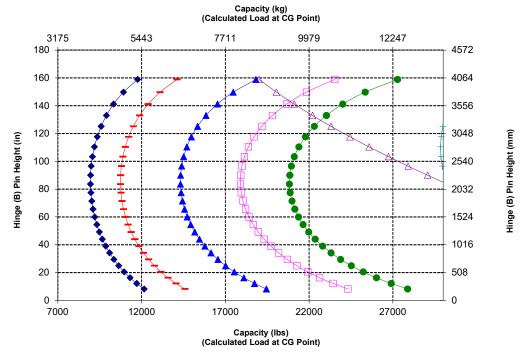


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

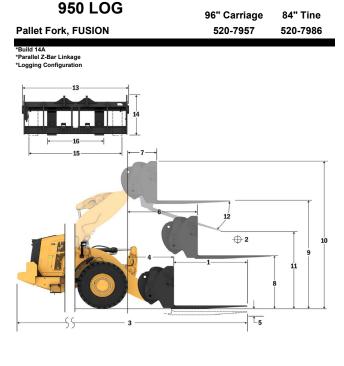




# **Fork Specifications**

#### **Fork Specifications**

	k opecifications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Certier	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8983
		lbs	19799
	Static Tipping Load - Articulated (Forks Level)	kg lbs	7713 17000
		kg	3857
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8500
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4628
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	10200
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6170
	Trace Load (OEIV EIV 474 OT IIII and Level Glound - 00% 1 1012)	lbs	13600
3	Maximum Overall Length	ḿш	9574
		in	376.9 1213
4	Reach with Forks at Ground Level	mm in	47.7
_		mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
0	Reach with Affils Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1007
•	Treadil Will Fork at Maximum Floight	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_	·	in	73.9 3838
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	151.1
		mm	4878
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm	1827
11	Clearance at Full Lift and Max Dump	in	71.9
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2528
		in mm	99.5 1130
14	Overall Carriage Height	in	44.5
		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
	···- ··· (-···g···-/	in	7.1
	Tine Thickness	mm	90.0
		in	3.5 12700
	Tine Capacity	kg lbs	27991
		kg	19909
	Operating Weight	lbs	43880



\*Negative values indicate below grade



Static Tipping Load - Articulater
Static Tipping Load - Straight
Hudraulic Tilt Canacity

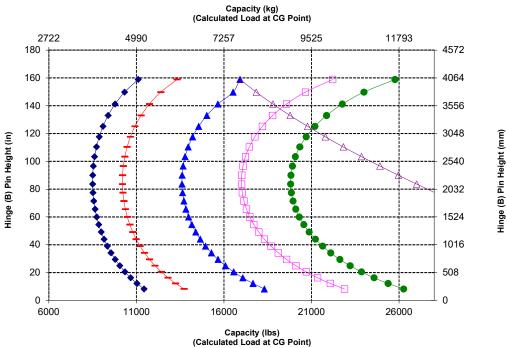
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

--- Hydraulic Lift Capacity

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.

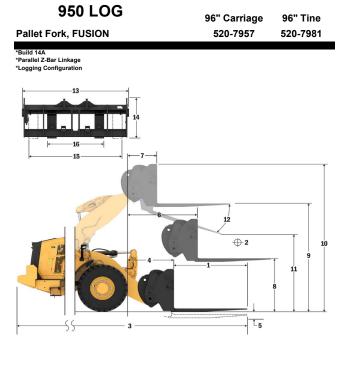
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



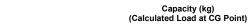


#### **Fork Specifications**

	openious		
1	Tine Length	mm in	2438 96.0
_	Land Control	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8555
	Otatio Tipping Load - Otalight (Folio Level)	lbs	18855
	Static Tipping Load - Articulated (Forks Level)	kg	7336
_	· · · · · · · · · · · · · · · · · · ·	lbs	16168
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3668 8084
		kg	4401
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9701
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5868
	Nated Load (CEN EN 474-3 Film and Level Glound - 60% F131L)	lbs	12934
3	Maximum Overall Length	mm	9878
_	Maximum Overall Length	in	388.9
4	Reach with Forks at Ground Level	mm	1213
	·	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
		in mm	-3.1 1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
_		mm	1007
7	Reach with Fork at Maximum Height	in	39.6
8	Occupated to Top of Tip or with Association and Foots Lovel	mm	1877
ŏ	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3838
_	Ground to Top of Time at Maximum Troight and Tork Ecver	in	151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
		in	192.1
11	Clearance at Full Lift and Max Dump	mm	1587 62.5
_	· · · · · · · · · · · · · · · · · · ·	in	
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2528
	Overall Garriage vildar	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
	Tin - Militale (-in-el- 4in-e)	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 Supusity	lbs	2490
	Operating Weight	kg	1997
	-r	lbs	44017



\*Negative values indicate below grade



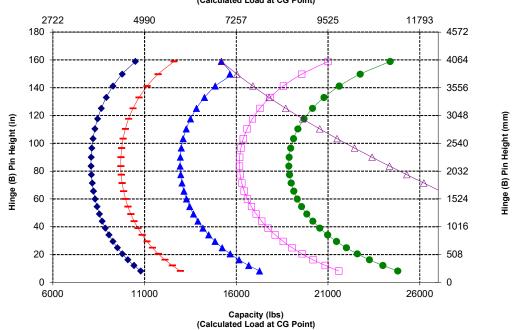


Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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. tipping load on firm and level ground or hydraulic limit.

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

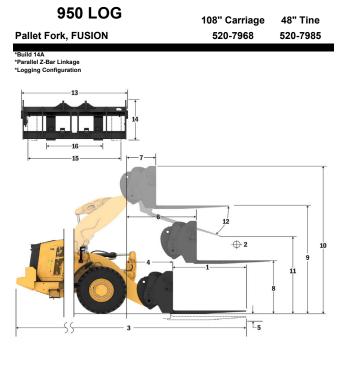




# **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Load Center	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	10446
	11 0 0 0	lbs	23023
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8995 19824
		kg	4497
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9912
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5397
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	11894
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7196
		lbs	15859
3	Maximum Overall Length	mm	8659
		in	340.9 1212
4	Reach with Forks at Ground Level	mm in	47.7
_		mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
_	Reach with Arms Horizontal and Forks Level	mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.6
7	Reach with Fork at Maximum Height	mm	1006
	Troubit with Fork at Maximum Floight	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
-	<u> </u>	in	73.9 3838
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	151.1
		mm	4878
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm	2550
11	Clearance at Full Lift and Max Durnp	in	100.4
12	Max Discharge Angle from Horizontal	deg	52
	max 2.00 nargo / trigio nom riorizona.		
13	Overall Carriage Width	mm	2833
		in mm	111.5 1130
14	Overall Carriage Height	in	44.5
		mm	2493
15	Outside Tine Width (max spread)	in	98.1
16	Outside Tine Width (min spread)	mm	590
10	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	This Trial (ongle the)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	22200
	· · ·	lbs kg	48929 19772
	Operating Weight	lbs	43578
		เมธ	+3310



\*Negative values indicate below grade

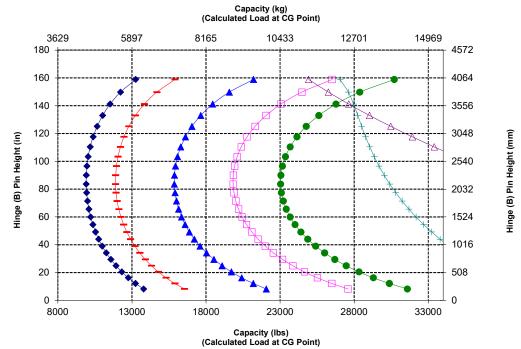


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

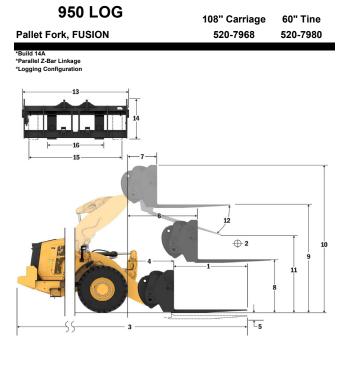
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

mmm in mm in kg lbs kg lbs kg lbs statut	1524 60.0 762 30.0 9909 21839 8523 18784 4261 9392 5114 11271 6818 15028
mm in kg lbs mmm	762 30.0 9909 21839 8523 18784 4261 9392 5114 11271 6818
in kg lbs kg lbs kg lbs kg lbs Kg lbs lfs lfs lbs restriction for the first lbs from mm	30.0 9909 21839 8523 18784 4261 9392 5114 11271 6818
	21839 8523 18784 4261 9392 5114 11271 6818
kg   lbs   kg   lbs   kg   lbs   kg   lbs   kg   lbs   TSTL)   ka   lbs   mm	8523 18784 4261 9392 5114 11271 6818
	18784 4261 9392 5114 11271 6818
kg   lbs   kg   lbs   kg   lbs   kg   lbs   kg   lbs   mm	4261 9392 5114 11271 6818
	9392 5114 11271 6818
kg   lbs     Kq     kq     kq   lbs   mm	5114 11271 6818
TSTL) kg lbs mm	6818
lbs mm	
, IDS mm	15028
	8964
	352.9
mm in	1213 47.7
mm	-79
	-3.1
mm	1744
in	68.7
mm	1007
in	39.6
mm	1877
	73.9
	3838 151.1
	4878
	192.1
	2309
in	90.9
den	52
	2833
	111.5 1130
	44.5
	2483
	97.8
mm	590
in	23.2
mm	180.0
in	7.1
mm	90.0
mm in	3.5
mm in kg	3.5 17800
mm in	3.5
	in mm in in mm



\*Negative values indicate below grade

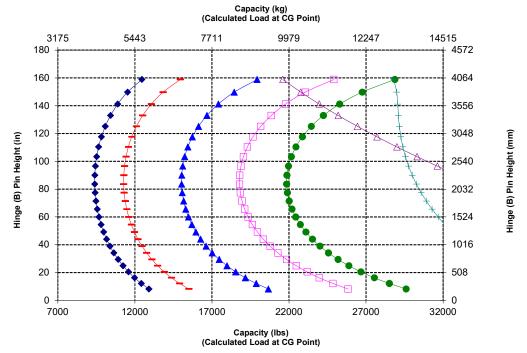


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

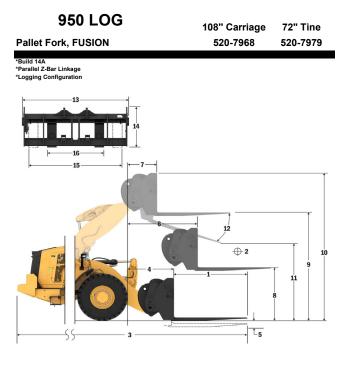




# **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
_	Land Contra	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9412
	Otatio Tipping Load - Otraight (Folio Lovel)	lbs	20743
	Static Tipping Load - Articulated (Forks Level)	kg	8086
	· · · · · · · · · · · · · · · · · · ·	lbs	17822
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4043 8911
		kg	4852
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10693
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	6469
	Rated Load (CEN EN 474-3 Film and Level Ground - 60% F131L)	lbs	14257
3	Maximum Overall Length	mm	9269
_	Maximum Overall Length	in	364.9
4	Reach with Forks at Ground Level	mm	1213
	·	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
		in mm	-3.1 1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
_		mm	1007
7	Reach with Fork at Maximum Height	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
•	Ground to Top of Time with Arms Honzontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3838
_	Ordana to Top of Timo at maximum Troight and Tom 2010	in	151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
-	· · · · · · · · · · · · · · · · · · ·	in	192.1
11	Clearance at Full Lift and Max Dump	mm in	2068 81.4
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
_	<u> </u>	in mm	44.5 2483
15	Outside Tine Width (max spread)	in	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
	THE THORNESS	in	3.5
	Tine Capacity	kg	14800
	* 1 - 7	lbs	32619
	Operating Weight	kg	19896
		lbs	43851



\*Negative values indicate below grade

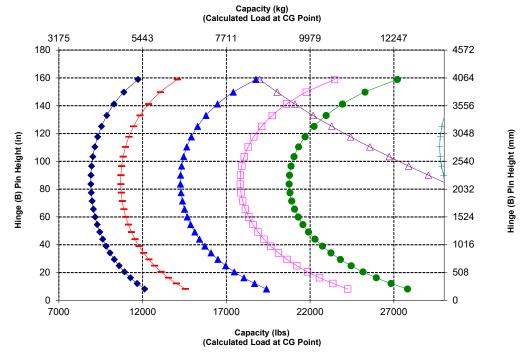


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

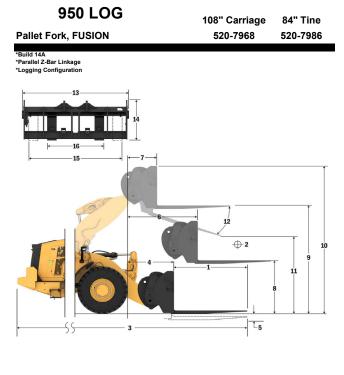
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	nk opcomeditions		
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	8951
	, , , , , , , , , , , , , , , , , , ,	lbs kg	19728 7681
	Static Tipping Load - Articulated (Forks Level)	lbs	16929
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3840
	Raieu Loau (SAE 31197 - 50% F151L)	lbs	8464
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4609
	, , ,	lbs	10157
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	6145 13543
_		mm	9574
3	Maximum Overall Length	in	376.9
4	Reach with Forks at Ground Level	mm	1213
_	Trouble Mari Forms at Growing 20101	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79 -3.1
	<del>-</del>	in mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1007
′	Reach with Fork at Maximum neight	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_	Croana to rop or time marrame riorizontal and ronk zoro.	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3838 151.1
		mm	4878
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm	1827
	Clearance at Full Lift and Wax Dump	in	71.9
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2833
		in mm	111.5 1130
14	Overall Carriage Height	in	44.5
45	O. 4-1-1- Ti \Mi-dat- (	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm in	180.0
		mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12700
	ппе Сараску	lbs	27991
	Operating Weight	kg	19958
	opolating reagin.	lbs	43988



\*Negative values indicate below grade

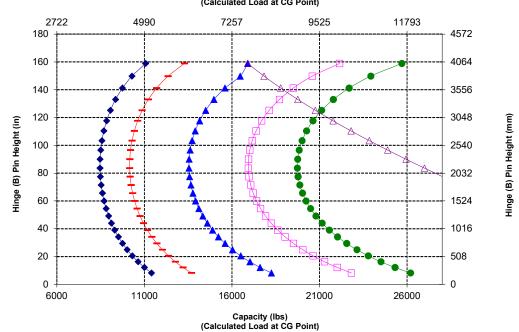




Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

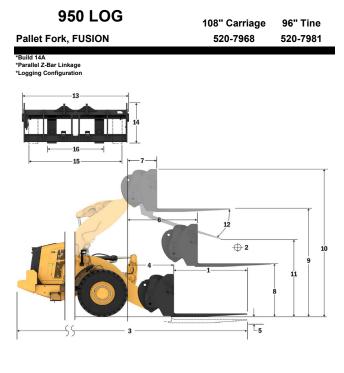




# **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
_	1404	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8523
	Otatio Tipping Load - Ottaight (Forks Lovel)	lbs	18785
	Static Tipping Load - Articulated (Forks Level)	kg	7304
	11 3 ( )	lbs	16097
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3652 8049
	<u> </u>	kg	4382
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9658
	D + 11	ka	5843
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12878
3	Maximum Overall Length	mm	9878
3	Maximum Overali Lengin	in	388.9
4	Reach with Forks at Ground Level	mm	1213
_	Troubly Will Forto at Ground Edver	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
_	Croana to Bottom or time at himminan rioignit and ronk 2010	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in	68.7
7	Reach with Fork at Maximum Height	mm in	1007 39.6
_		mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
_	Construction of Time at Manipular Height and Ford Lavel	mm	3838
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
10	Overall freight of Fork at Full Lift (top of carriage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm	1587
	Oldaranoo at r an Ent and max bump	in	62.5
12	Max Discharge Angle from Horizontal	deg	52
		mm	2833
13	Overall Carriage Width	in	111.5
	O	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	590
	<del></del>	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm in	90.0 3.5
		kg	11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	20021



\*Negative values indicate below grade



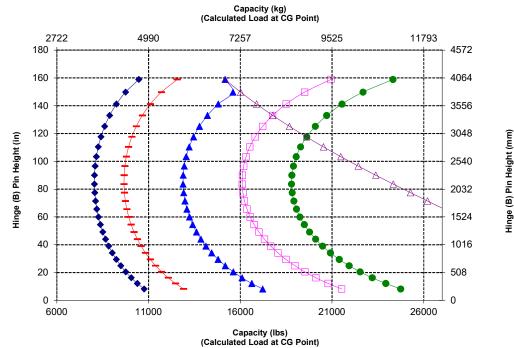
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

--- Hydraulic Lift Capacity

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.

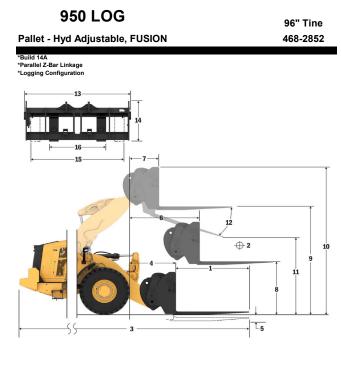
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
_	1	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8244
	otatio ripping Load - otraight (Folio Level)	lbs	18170
	Static Tipping Load - Articulated (Forks Level)	kg	7056
		lbs kg	15551 3528
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7775
	Detect   cod (CEN EN 474 C Decemb Terrois COO) (FTCT)	kg	4233
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9331
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5645
	Traise Essa (SETTER TO TIME and Estat Stoand Stoan Total)	lbs	12441
3	Maximum Overall Length	mm	9984
	· •	in	393.1 1319
4	Reach with Forks at Ground Level	mm in	51.9
_		mm	-90
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
	Reach with Arms Horizontal and Forks Level	mm	1843
6	Reach with Arms Honzontal and Porks Level	in	72.6
7	Reach with Fork at Maximum Height	mm	1106
	Trouble Marie on at maximum rioignt	in	43.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1867
	<u>'</u>	in mm	73.5 3828
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.7
		mm	4896
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	192.7
11	Clearance at Full Lift and Max Dump	mm	1513
•••	Clearance at 1 dir Lint and Wax Dump	in	59.6
12	Max Discharge Angle from Horizontal	deg	52
	3 0		2542
13	Overall Carriage Width	mm in	100.1
		mm	1158
14	Overall Carriage Height	in	45.6
45	O. 4-i-l- Ti \M(:-141- (	mm	2312
15	Outside Tine Width (max spread)	in	91.0
16	Outside Tine Width (min spread)	mm	896
	Outside Title Width (Hill Spread)	in	35.3
	Tine Width (single tine)	mm	180.0
	· · · ·	in	7.1 90.0
	Tine Thickness	mm in	3.5
	T 0 1	kg	10100
	Tine Capacity	lbs	22260
	Operating Weight	kg	20070
	Operating weight	lbs	44235



\*Negative values indicate below grade

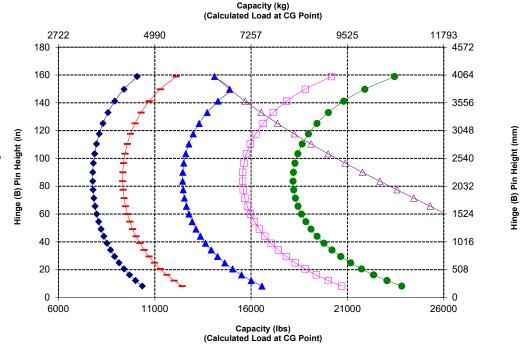


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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: 60% of full turn static tipping load on firm and level ground or hydraulic limit.

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





# **Material Handling Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
M 17 11 15 11B 14400450	mm	2,282	2,421	2,560	2,698	2,837	2,976
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)		7' 5"	7' 11"	8' 4"	8' 10"	9' 3"	9' 9"
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	mm	6,870	7,141	7,412	7,684	7,955	8,226
max Liit - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	22' 6"	23' 5"	24' 3"	25' 2"	26' 1"	26' 11"
		4,610	4,915	5,220	5,525	5,829	6,134
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	15' 1"	16' 1"	17' 1"	18' 1"	19' 1"	20' 1"
Level Healt Frield Height (10)	mm	1,842	1,842	1,842	1,842	1,842	1,842
Level - Hook Eyelet Height (19)	ft, in	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	mm	2,416	2,596	2,777	2,957	3,137	3,318
	ft, in	7' 11"	8' 6"	9' 1"	9' 8"	10' 3"	10' 10"
Min Life Hands Fundak Hainbe (20, 27, 20, 20, 20, 24)	mm	(2,593)	(2,839)	(3,085)	(3,330)	(3,576)	(3,822)
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-8' 5"	-9' 8"	-10' 10"	-10' 0"	-11' 3"	-12' 5"
Static Tipping Load, Straight	kg	6,336	5,992	5,683	5,403	5,149	4,916
Static Tipping Load, Straight	lb	13,965	13,207	12,525	11,908	11,348	10,836
Chatter Timeine Lond Antiquipment	kg	5,491	5,192	4,923	4,680	4,458	4,256
Static Tipping Load, Articulated	lb	12,102	11,443	10,850	10,314	9,826	9,381
Operating Weight	kg	19,168	19,168	19,168	19,168	19,168	19,168
Operating weight	lb	42,247	42,247	42,247	42,247	42,247	42,247

950 LOG

289-9885

Hinge (B) Pin Height (mm)



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.

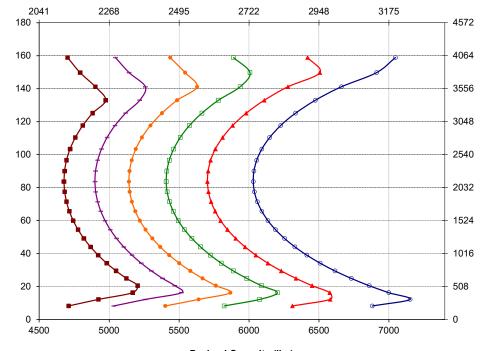
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1 Hinge (B) Pin Height (in)

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

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





# **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.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with diesel particulate filter (DPF), and diesel exhaust fluid (DEF) tank and pump.
- 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.
- 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

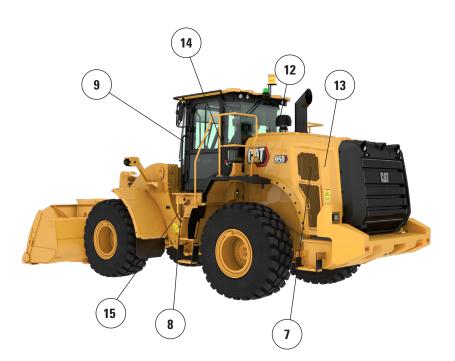
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) 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 seat-mounted electro-hydraulic joystick steering system provides precision control and dramatically reduces arm fatigue, resulting in excellent comfort and accuracy. Standard in North America and optional in all other regions.
- The hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. Standard in all regions except North America. Limited optional availability for North America, consult your Cat dealer.

# **950 Corrosion Resistant Specifications**

### **950 Corrosion Resistant Features**

- 1. 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
- 6. 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.

© 2025 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, VisionLink, their respective logos, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEXQ4425-00 (11-2025) Build Number: 14C (N Am, Europe, Türkiye, Japan, Korea, Chile, Colombia)

