

## 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	2
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 Guide
Hydraulic System	Operating Specifications – Buckets
Sound	Fork/Material Handling Arm Specifications
Standard and Optional Equipment	
950 Environmental Declaration	85
950 Waste & Scrap Handler Configuration	
Key Features and Benefits.86Tire Options.88	Operating Specifications – Buckets
950 Forestry Machine Configuration	
Key Features and Benefits101	Fork Specifications
Tire Options	Material Handling Specifications148
Operating Specifications – Buckets	
950 Corrosion Resistant Configuration	149
Key Features and Benefits 1/19	



Engine – U.S. EPA Tier 4 Final,	EU Stage \	/	
Engine Model	Cat® C7.1		
Meets U.S. EPA Tier 4 Final, EU Stage	V, and Japar	n 2014 emission	
standards.			
Engine Power @ 2,100 rpm	186 kW	249 hp	
ISO 14396:2002			
ISO 14396:2002 (DIN)	253 hp (met	ric)	
Gross Power @ 2,100 rpm	188 kW	253 hp	
SAE J1995:2014			
SAE J1995:2014 (DIN)	257 hp (metric)		
Net Power @ 2,100 rpm	172 kW	231 hp	
ISO 9249:2007, SAE J1349:2011			
ISO 9249:2007, SAE J1349:2011 (DIN	235 hp (met	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		

- Advertised power is tested per the specified standard in effect at the time of manufacture.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lowercarbon 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.

\* Engines with no aftertreatment devices can use higher blends, up to 30% biodiesel, where mandated.

# 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).

## 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					
ISO 14396:2002 (DIN)	253 hp (met	ric)			
Gross Power @ 2,100 rpm	191 kW	256 hp			
SAE J1995:2014					
SAE J1995:2014 (DIN)	260 hp (met	ric)			
Net Power @ 2,100 rpm	172 kW	231 hp			
ISO 9249:2007, SAE J1349:2011					
ISO 9249:2007, SAE J1349:2011 (DIX	N) 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				

- Advertised power is tested per the specified standard in effect at the time of manufacture.
- 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 lower-carbon intensity fuels up to:
  - 100% biodiesel FAME (fatty acid methyl ester)\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

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

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 (Global Warming Potential = 1430). The system contains 1.6 kg (3.5 lb) of refrigerant which has a CO<sub>2</sub> equivalent 2.288 metric tonnes (2.522 tons).

Hydraulic System		
Implement Pump Type	plement Pump Type Variable Displacemen Piston, Load Sensing	
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 at Work Tool	240 L/min	63 gal/min
Optional 3 <sup>rd</sup> Function Maximum Pressure at Work Tool	20 684 kPa	3,000 psi
Optional 4 <sup>th</sup> Function Maximum Flow at Work Tool	240 L/min	63 gal/min
Optional 4 <sup>th</sup> Function Maximum Pressure at Work Tool	20 684 kPa	3,000 psi
Hydraulic Cycle Time with Rated Paylo	oad:	
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 Capacities		
Fuel Tank	259.5 L	68.6 gal
Diesel Exhaust Fluid (DEF) Tank (Tier 4 only)	15 L	4.0 gal
Cooling System (Tier 4)	54 L	14.3 gal
Cooling System (Tier 3)	54 L	14.3 gal
Crankcase	21 L	5.5 gal
Transmission	43 L	11.4 gal
Differentials and Final Drives – Front	43 L	11.4 gal
Differentials and Final Drives – Rear	43 L	11.4 gal
Hydraulic Tank	97 L	25.6 gal
Brakes		
Brakes Brakes meet ISC	3450:2011	standards

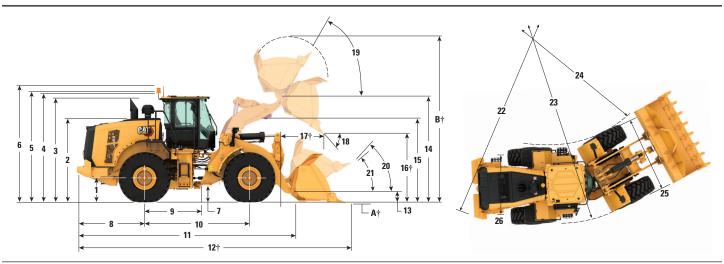
Brakes	Brakes meet ISO 3450:2011 standards
Axles	
Front	Fixed
Rear	Oscillating ±13 degrees

#### Cab

Rollover Protective Structure/Falling Objects Protective Structure (ROPS/FOPS) ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards

#### **Dimensions**

All dimensions are approximate.



	Standard Lift		High	Lift
Height to Axle Centerline	734 mm	2'4"	734 mm	2'4"
Height to Top of Hood	2695 mm	8'10"	2695 mm	8'10"
Height to Top of Exhaust Pipe	3408 mm	11'2"	3408 mm	11'2"
Height to Top of ROPS	3456 mm	11'4"	3456 mm	11'4"
Height to Top of Product Link Antenna	3463 mm	11'4"	3463 mm	11'4"
Height to Top of Warning Beacon	3736 mm	12'3"	3735 mm	12'3"
Ground Clearance	354 mm	1'1"	354 mm	1'1"
Centerline of Rear Axle to Edge of Counterweight	2063 mm	6'9"	2077 mm	6'9"
Centerline of Rear Axle to Hitch	1675 mm	5'5"	1675 mm	5'5"
Wheelbase	3350 mm	10'11"	3350 mm	10'11"
Overall Length (without bucket)	7024 mm	23'1"	7490 mm	24'7"
Shipping Length (with bucket level on ground)*†	8314 mm	27'4"	8795 mm	28'11"
Hinge Pin Height at Carry Height	623 mm	2'0"	775 mm	2'6"
Hinge Pin Height at Maximum Lift	4009 mm	13'1"	4514 mm	14'9"
Lift Arm Clearance at Maximum Lift	3255 mm	10'8"	3615 mm	11'10"
Dump Clearance at Maximum Lift and 45° Discharge*†	2864 mm	9'4"	3370 mm	11'0"
Reach at Maximum Lift and 45° Discharge*†	1436 mm	4'8"	1471 mm	4'9"
Dump Angle at Maximum Lift and Dump (on stops)*	51 deg	rees	48 degrees	
	59 degrees		56 degrees	
Rack Back at Maximum Lift*	59 deg	rees	56 deg	rees
Rack Back at Maximum Lift*  Rack Back at Carry Height*	59 deg 49 deg		56 deg 49 deg	
		rees		rees
Rack Back at Carry Height*	49 deg	rees	49 deg	rees
Rack Back at Carry Height*  Rack Back at Ground*	49 deg 39 deg	rees	49 deg 43 deg	rees
Rack Back at Carry Height* Rack Back at Ground* Clearance Circle (dia) to Counterweight	49 deg 39 deg 12 050 mm	rees rees 39'7"	49 deg 43 deg 12 044 mm	rees rees 39'7"
Rack Back at Carry Height*  Rack Back at Ground*  Clearance Circle (dia) to Counterweight  Clearance Circle (dia) to Outside of Tires	49 deg 39 deg 12 050 mm 12 028 mm	rees 39'7" 39'6"	49 deg 43 deg 12 044 mm 12 028 mm	rees 39'7" 39'6"
Rack Back at Carry Height*  Rack Back at Ground*  Clearance Circle (dia) to Counterweight  Clearance Circle (dia) to Outside of Tires  Clearance Circle (dia) to Inside of Tires	49 deg 39 deg 12 050 mm 12 028 mm 6380 mm	rees 39'7" 39'6" 25'0"	49 deg 43 deg 12 044 mm 12 028 mm 6380 mm	rees 39'7" 39'6" 25'0"
	Overall Length (without bucket)  Shipping Length (with bucket level on ground)*†  Hinge Pin Height at Carry Height  Hinge Pin Height at Maximum Lift  Lift Arm Clearance at Maximum Lift  Dump Clearance at Maximum Lift and 45° Discharge*†  Reach at Maximum Lift and 45° Discharge*†  Dump Angle at Maximum Lift and Dump (on stops)*	Height to Axle Centerline  Height to Top of Hood  2695 mm  Height to Top of Exhaust Pipe  3408 mm  Height to Top of ROPS  3456 mm  Height to Top of Product Link Antenna  3463 mm  Height to Top of Warning Beacon  Ground Clearance  354 mm  Centerline of Rear Axle to Edge of Counterweight  Centerline of Rear Axle to Hitch  1675 mm  Wheelbase  3350 mm  Overall Length (without bucket)  7024 mm  Shipping Length (with bucket level on ground)*†  8314 mm  Hinge Pin Height at Carry Height  Lift Arm Clearance at Maximum Lift  4009 mm  Lift Arm Clearance at Maximum Lift and 45° Discharge*†  Reach at Maximum Lift and 45° Discharge*†  1436 mm  Dump Angle at Maximum Lift and Dump (on stops)*  51 deg	Height to Axle Centerline         734 mm         2'4"           Height to Top of Hood         2695 mm         8'10"           Height to Top of Exhaust Pipe         3408 mm         11'2"           Height to Top of ROPS         3456 mm         11'4"           Height to Top of Product Link Antenna         3463 mm         11'4"           Height to Top of Warning Beacon         3736 mm         12'3"           Ground Clearance         354 mm         1'1"           Centerline of Rear Axle to Edge of Counterweight         2063 mm         6'9"           Centerline of Rear Axle to Hitch         1675 mm         5'5"           Wheelbase         3350 mm         10'11"           Overall Length (without bucket)         7024 mm         23'1"           Shipping Length (with bucket level on ground)*†         8314 mm         27'4"           Hinge Pin Height at Carry Height         623 mm         20"           Hinge Pin Height at Maximum Lift         4009 mm         13'1"           Lift Arm Clearance at Maximum Lift and 45° Discharge*†         2864 mm         9'4"           Reach at Maximum Lift and 45° Discharge*†         1436 mm         4'8"           Dump Angle at Maximum Lift and Dump (on stops)*         51 degrees	Height to Axle Centerline         734 mm         2'4"         734 mm           Height to Top of Hood         2695 mm         8'10"         2695 mm           Height to Top of Exhaust Pipe         3408 mm         11'2"         3408 mm           Height to Top of ROPS         3456 mm         11'4"         3456 mm           Height to Top of Product Link Antenna         3463 mm         11'4"         3463 mm           Height to Top of Warning Beacon         3736 mm         12'3"         3735 mm           Ground Clearance         354 mm         1'1"         354 mm           Centerline of Rear Axle to Edge of Counterweight         2063 mm         6'9"         2077 mm           Centerline of Rear Axle to Hitch         1675 mm         5'5"         1675 mm           Wheelbase         3350 mm         10'11"         3350 mm           Overall Length (without bucket)         7024 mm         23'1"         7490 mm           Shipping Length (with bucket level on ground)*†         8314 mm         27'4"         8795 mm           Hinge Pin Height at Carry Height         623 mm         2'0"         775 mm           Hinge Pin Height at Maximum Lift         4009 mm         13'1"         4514 mm           Lift Arm Clearance at Maximum Lift and 45° Discharge*†         2864 mm </th

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	23.5R25
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"	-1"	0.2"	0"	0.2"
Change in Clearance Circle to Inside of Tires	-128 mm	24 mm	-5 mm	0 mm	-4 mm
	-5"	1"	-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	23.5R25	23.5R25	23.5X25	23.5X25
Tread Type	L-5	L-3	L-4		
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"	-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"	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"

 $<sup>\</sup>mbox{\ensuremath{\mbox{\sc *}}}\mbox{\sc Width}$  over tire bulge and includes tire growth.

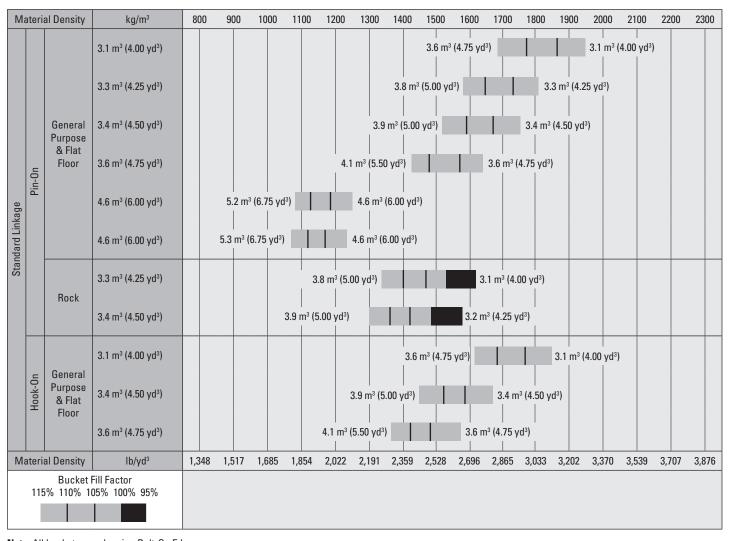
#### **Bucket Fill Factors and Selection Guide**

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

Loose Material		Fill Factor (%)*	<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.



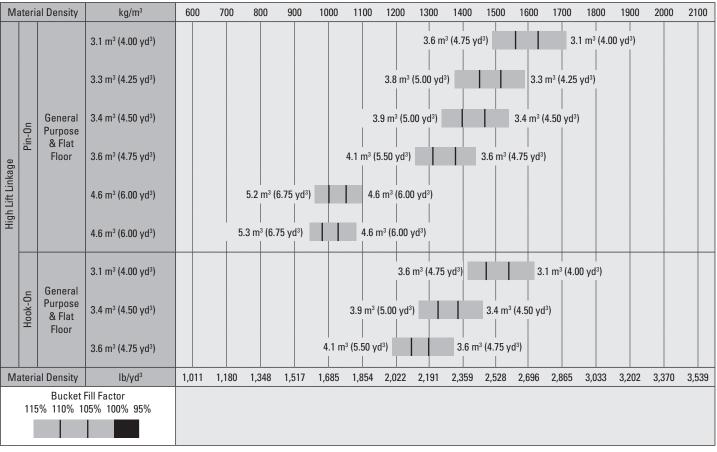
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Loose Material		Fill Factor (%)*	<b>Material Density</b>
Earth/Clay		115	1.5-1.7
Sand and Gravel		115	1.5-1.7
Aggregate:	25-76 mm (1 to 3 in)	110	1.6-1.7
	19 mm (0.75 in) and smaller	105	1.8
Rock:	76 mm (3 in) and larger	100	1.6

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

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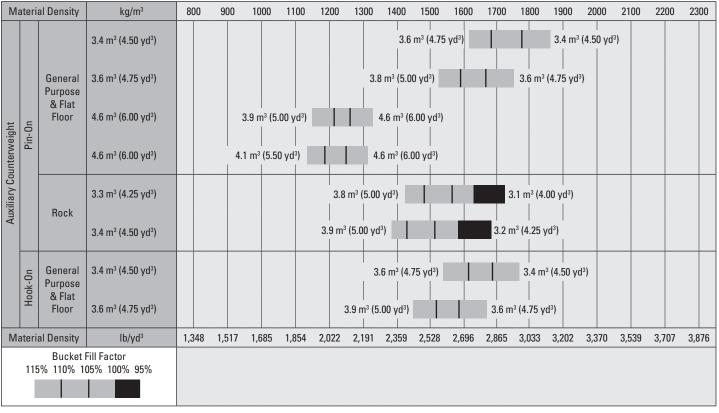
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Loose Material		Fill Factor (%)*	Material Density
Earth/Clay		115	1.5-1.7
Sand and Gravel		115	1.5-1.7
Aggregate:	25-76 mm (1 to 3 in)	110	1.6-1.7
	19 mm (0.75 in) and smaller	105	1.8
Rock:	76 mm (3 in) and larger	100	1.6

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



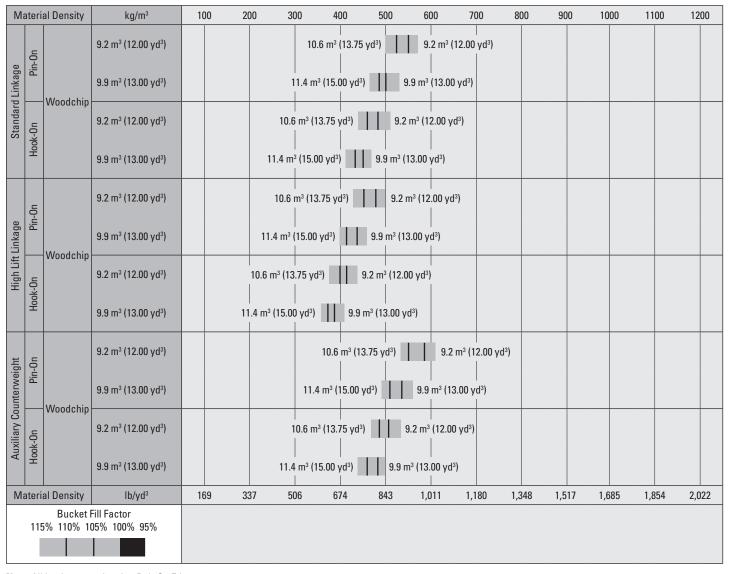
#### **Bucket Fill Factors and Selection Guide**

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.



#### **Operating Specifications – Buckets**

Linkage					Sta	andard Link	age			
Bucket Type					Genera	al Purpose –	Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m <sup>3</sup>	3.10	3.10	2.90	3.30	3.30	3.10	3.40	3.40	3.20
	$yd^3$	4.00	4.00	3.75	4.25	4.25	4.00	4.50	4.50	4.25
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.20	3.60	3.60	3.40	3.70	3.70	3.50
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50	4.75	4.75	4.50
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
16† Dump Clearance at Maximum Lift	mm	2864	2746	2746	2826	2707	2707	2807	2688	2688
and 45° Discharge	ft/in	9'4"	9'0"	9'0"	9'3"	8'10"	8'10"	9'2"	8'9"	8'9"
17† Reach at Maximum Lift and	mm	1435	1546	1546	1464	1574	1574	1479	1588	1588
45° Discharge	ft/in	4'8"	5'0"	5'0"	4'9"	5'1"	5'1"	4'10"	5'2"	5'2"
Reach at Level Lift Arm and	mm	2694	2855	2855	2743	2904	2904	2767	2928	2928
Bucket Level	ft/in	8'10"	9'4"	9'4"	9'0"	9'6"	9'6"	9'0"	9'7"	9'7"
A† Digging Depth	mm	102	102	72	102	102	72	102	102	72
	in	4"	4"	2.8"	4"	4"	2.8"	4"	4"	2.8"
12† Overall Length	mm	8314	8487	8487	8363	8536	8536	8387	8560	8560
	ft/in	27'4"	27'11"	27'11"	27'6"	28'1"	28'1"	27'7"	28'1"	28'1"
<b>B</b> † Overall Height with Bucket at	mm	5513	5513	5513	5559	5559	5559	5585	5585	5585
Maximum Lift	ft/in	18' 2"	18' 2"	18'2"	18'3"	18'3"	18'3"	18'4"	18'4"	18'4"
Loader Clearance Circle Radius	mm	6735	6821	6821	6750	6836	6836	6757	6844	6844
with Bucket at Carry Position	ft/in	22'2"	22'5"	22' 5"	22'2"	22'6"	22'6"	22'3"	22'6"	22'6"
Static Tipping Load, Straight	kg	12 991	12 850	13 136	12 869	12 728	13 012	12 826	12 684	12 964
(With tire deflection)	lb	28,640	28,330	28,960	28,372	28,060	28,686	28,276	27,963	28,582
Static Tipping Load, Straight	kg	13 743	13 601	13 894	13 624	13 481	13 772	13 581	13 438	13 726
(No tire deflection)	lb	30,300	29,986	30,632	30,036	29,720	30,363	29,943	29,626	30,260
Static Tipping Load,	kg	11 200	11 059	11 327	11 084	10 942	11 208	11 042	10 900	11 163
Articulated (With tire deflection)	lb	24,693	24,383	24,972	24,436	24,124	24,710	24,344	24,031	24,610
Static Tipping Load, Articulated	kg	11 960	11 818	12 092	11 846	11 702	11 975	11 805	11 661	11 930
(No tire deflection)	lb	26,368	26,054	26,659	26,116	25,800	26,401	26,026	25,709	26,303
Breakout Force(§)	kN	181	179	196	173	172	188	170	169	184
	lbf	40,689	40,400	44,194	39,063	38,777	42,300	38,316	38,030	41,434
Operating Weight*	kg	19 261	19 369	19 212	19 330	19 438	19 281	19 354	19 462	19 305
	lb	42,462	42,700	42,354	42,615	42,853	42,507	42,668	42,906	42,560

<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, standard counterweight, ride control, cold start, roading fenders, Product Link™, 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.

Linkage Standard Linkage							
Bucket Type		Gener	al Purpose – Pi	n-On	General Purp	ose – Hook-On	– Fusion™
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	3.10	3.10	2.90
	$yd^3$	4.75	4.75	4.50	4.00	4.00	3.75
Capacity – Rated at 110% Fill Factor	$m^3$	4.00	4.00	3.70	3.40	3.40	3.20
	$yd^3$	5.25	5.25	4.75	4.50	4.50	4.25
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	2781	2661	2661	2825	2706	2706
and 45° Discharge	ft/in	9'1"	8'8"	8'8"	9'3"	8'10"	8'10"
17† Reach at Maximum Lift and	mm	1501	1610	1610	1481	1591	1591
45° Discharge	ft/in	4'11"	5'3"	5'3"	4'10"	5'2"	5'2"
Reach at Level Lift Arm and	mm	2802	2963	2963	2754	2915	2915
Bucket Level	ft/in	9'2"	9'8"	9'8"	9'0"	9'6"	9'6"
A† Digging Depth	mm	102	102	72	102	102	72
	in	4"	4"	2.8"	4"	4"	2.8"
12† Overall Length	mm	8422	8595	8595	8374	8547	8547
-	ft/in	27'8"	28'3"	28'3"	27'6"	28'1"	28'1"
<b>B</b> † Overall Height with Bucket at	mm	5618	5618	5618	5546	5546	5546
Maximum Lift	ft/in	18'6"	18'6"	18'6"	18'3"	18'3"	18'3"
Loader Clearance Circle Radius	mm	6768	6854	6854	6749	6836	6836
with Bucket at Carry Position	ft/in	22'3"	22'6"	22'6"	22'2"	22'6"	22'6"
Static Tipping Load, Straight	kg	12 755	12 612	12 889	12 402	12 262	12 594
(With tire deflection)	lb	28,120	27,805	28,416	27,342	27,033	27,765
Static Tipping Load, Straight	kg	13 512	13 368	13 652	13 143	13 001	13 346
(No tire deflection)	lb	29,790	29,471	30,098	28,976	28,663	29,423
Static Tipping Load,	kg	10 975	10 832	11 091	10 638	10 498	10 812
Articulated (With tire deflection)	lb	24,195	23,881	24,453	23,454	23,144	23,836
Static Tipping Load, Articulated	kg	11 739	11 595	11 860	11 387	11 245	11 571
(No tire deflection)	lb	25,881	25,563	26,148	25,105	24,792	25,511
Breakout Force(§)	kN	165	164	178	172	171	186
	lbf	37,271	36,987	40,226	38,737	38,451	41,920
Operating Weight*	kg	19 390	19 498	19 341	19 730	19 838	19 681
	lb	42,748	42,986	42,640	43,498	43,736	43,390

<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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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				Standa	rd Linkage		
Bucket Type			Ge	neral Purpose	e – Hook-On – Fusio	n	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	$m^3$	3.40	3.40	3.20	3.60	3.60	3.40
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70	3.50	4.00	4.00	3.70
	$yd^3$	4.75	4.75	4.50	5.25	5.25	4.75
Width	mm	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
16† Dump Clearance at Maximum Lift	mm	2767	2648	2648	2741	2621	2621
and 45° Discharge	ft/in	9'0"	8'8"	8'8"	8'11"	8'7"	8'7"
17† Reach at Maximum Lift and	mm	1524	1633	1633	1545	1654	1654
45° Discharge	ft/in	5'0"	5'4"	5'4"	5'0"	5'5"	5'5"
Reach at Level Lift Arm and	mm	2827	2988	2988	2862	3023	3023
Bucket Level	ft/in	9'3"	9'9"	9'9"	9'4"	9'11"	9'11"
A† Digging Depth	mm	102	102	72	102	102	72
	in	4"	4"	2.8"	4"	4"	2.8"
2† Overall Length	mm	8447	8620	8620	8482	8655	8655
	ft/in	27'9"	28'4"	28'4"	27'10"	28'5"	28'5"
<b>B</b> † Overall Height with Bucket at	mm	5618	5618	5618	5652	5652	5652
Maximum Lift	ft/in	18'6"	18'6"	18'6"	18'7"	18'7"	18'7"
Loader Clearance Circle Radius	mm	6772	6859	6859	6783	6870	6870
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'7"	22'4"	22'7"	22'7"
Static Tipping Load, Straight	kg	12 268	12 127	12 457	12 202	12 060	12 389
(With tire deflection)	lb	27,048	26,736	27,463	26,902	26,589	27,314
Static Tipping Load, Straight	kg	13 013	12 870	13 212	12 949	12 805	13 146
(No tire deflection)	lb	28,689	28,373	29,128	28,547	28,230	28,983
Static Tipping Load,	kg	10 511	10 370	10 682	10 449	10 307	10 618
Articulated (With tire deflection)	lb	23,174	22,862	23,550	23,036	22,723	23,409
Static Tipping Load, Articulated	kg	11 263	11 120	11 445	11 203	11 059	11 382
(No tire deflection)	lb	24,832	24,517	25,232	24,698	24,381	25,094
Breakout Force(§)	kN	162	161	175	158	157	170
	lbf	36,582	36,299	39,430	35,623	35,340	38,329
Operating Weight*	kg	19 800	19 908	19 751	19 834	19 942	19 785
	lb	43,652	43,890	43,544	43,727	43,965	43,619

<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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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.

Linkage					Sta	ndard Link	age			
Bucket Type					Fla	t Floor – Pin	-On		-	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m <sup>3</sup>	3.30	3.30	3.10	3.40	3.40	3.20	3.60	3.60	3.40
	$yd^3$	4.25	4.25	4.00	4.50	4.50	4.25	4.75	4.75	4.50
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.60	3.60	3.40	3.70	3.70	3.50	4.00	4.00	3.70
	$yd^3$	4.75	4.75	4.50	4.75	4.75	4.50	5.25	5.25	4.75
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
16† Dump Clearance at Maximum Lift	mm	2777	2652	2652	2749	2624	2624	2717	2592	2592
and 45° Discharge	ft/in	9'1"	8'8"	8'8"	9'0"	8'7"	8'7"	8'11"	8'6"	8'6"
17† Reach at Maximum Lift and	mm	1384	1486	1486	1412	1514	1514	1444	1546	1546
45° Discharge	ft/in	4'6"	4'10"	4'10"	4'7"	4'11"	4'11"	4'8"	5'0"	5'0"
Reach at Level Lift Arm and	mm	2737	2898	2898	2777	2938	2938	2822	2983	2983
Bucket Level	ft/in	8'11"	9'6"	9'6"	9'1"	9'7"	9'7"	9'3"	9'9"	9'9"
A† Digging Depth	mm	102	102	72	102	102	72	102	102	72
	in	4"	4"	2.8"	4"	4"	2.8"	4"	4"	2.8"
12† Overall Length	mm	8357	8530	8530	8397	8570	8570	8442	8615	8615
	ft/in	27'6"	28'0"	28'0"	27'7"	28'2"	28'2"	27'9"	28'4"	28'4"
<b>B</b> † Overall Height with Bucket at	mm	5515	5515	5515	5554	5554	5554	5602	5602	5602
Maximum Lift	ft/in	18'2"	18'2"	18'2"	18'3"	18'3"	18'3"	18'5"	18'5"	18'5"
Loader Clearance Circle Radius	mm	6748	6834	6834	6760	6847	6847	6774	6861	6861
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'6"	22'3"	22'6"	22'6"	22'3"	22'7"	22'7"
Static Tipping Load, Straight	kg	12 751	12 611	12 888	12 672	12 531	12 804	12 584	12 442	12 711
(With tire deflection)	lb	28,112	27,803	28,413	27,938	27,627	28,230	27,743	27,431	28,024
Static Tipping Load, Straight	kg	13 486	13 344	13 627	13 408	13 266	13 545	13 322	13 179	13 454
(No tire deflection)	lb	29,732	29,420	30,043	29,561	29,247	29,863	29,371	29,055	29,661
Static Tipping Load,	kg	10 984	10 844	11 104	10 909	10 768	11 025	10 825	10 684	10 936
Articulated (With tire deflection)	lb	24,217	23,908	24,481	24,051	23,741	24,306	23,866	23,554	24,111
Static Tipping Load, Articulated	kg	11 727	11 585	11 851	11 653	11 511	11 773	11 572	11 428	11 686
(No tire deflection)	lb	25,854	25,542	26,127	25,692	25,378	25,955	25,511	25,196	25,764
Breakout Force(§)	kN	174	173	189	169	167	182	163	162	176
	lbf	39,241	38,955	42,509	38,002	37,717	41,071	36,690	36,407	39,557
Operating Weight*	kg	19 316	19 424	19 267	19 356	19 464	19 307	19 400	19 508	19 351
	lb	42,584	42,822	42,475	42,672	42,910	42,564	42,769	43,007	42,661

<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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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 Linkag	e	
Bucket Type		Flat Flo	oor – Pin-On – BGE	– FMT	Flat Floor – Pin-O	n – Light Material
Edge Type		Teeth and Segments	Tips	Tips	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	$m^3$	3.50	3.30	3.60	4.60	4.60
	$yd^3$	4.50	4.25	4.75	6.00	6.00
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.80	3.60	4.00	5.00	5.00
	$yd^3$	5.00	4.75	5.25	6.50	6.50
Width	mm	2994	2994	2995	3059	3338
	ft/in	9'9"	9'9"	9'9"	10'0"	10'11"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2643	2643	2574	2617	2622
and 45° Discharge	ft/in	8'8"	8'8"	8'5"	8'7"	8'7"
17† Reach at Maximum Lift and	mm	1542	1542	1618	1537	1553
45° Discharge	ft/in	5'0"	5'0"	5'3"	5'0"	5'1"
Reach at Level Lift Arm and	mm	2944	2944	3046	2959	2967
Bucket Level	ft/in	9'7"	9'7"	9'11"	9'8"	9'8"
A† Digging Depth	mm	108	80	75	72	92
	in	4.2"	3.1"	2.9"	2.8"	3.6"
12† Overall Length	mm	8552	8552	8650	8583	8580
	ft/in	28'1"	28'1"	28'5"	28'2"	28'2"
<b>B</b> † Overall Height with Bucket at	mm	5568	5568	5650	5786	5502
Maximum Lift	ft/in	18'4"	18'4"	18'7"	19'0"	18'1"
Loader Clearance Circle Radius	mm	6835	6835	6866	6877	6999
with Bucket at Carry Position	ft/in	22'6"	22'6"	22'7"	22'7"	23'0"
Static Tipping Load, Straight	kg	12 168	12 590	12 353	12 176	12 269
(With tire deflection)	lb	26,827	27,757	27,233	26,845	27,048
Static Tipping Load, Straight	kg	12 902	13 333	13 092	12 925	12 988
(No tire deflection)	lb	28,444	29,395	28,863	28,495	28,635
Static Tipping Load,	kg	10 400	10 810	10 592	10 430	10 542
Articulated (With tire deflection)	lb	22,928	23,833	23,353	22,994	23,242
Static Tipping Load, Articulated	kg	11 141	11 561	11 339	11 186	11 271
(No tire deflection)	lb	24,561	25,488	24,999	24,661	24,848
Breakout Force(§)	kN	169	180	166	155	147
	lbf	38,052	40,525	37,346	35,049	33,132
Operating Weight*	kg	19 811	19 546	19 627	19 683	19 480
	lb	43,674	43,090	43,269	43,393	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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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		Fla	t Floor – Hook-On – Fusion	l	Flat Floor – Hook-On Fusion – BGE – FMT				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Tips				
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.20	3.40				
	$yd^3$	4.50	4.50	4.25	4.50				
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.70	3.50	3.70				
	$yd^3$	4.75	4.75	4.50	4.75				
Width	mm	2927	2994	2994	2995				
	ft/in	9'7"	9'9"	9'9"	9'9"				
16† Dump Clearance at Maximum Lift	mm	2707	2581	2581	2459				
and 45° Discharge	ft/in	8'10"	8'5"	8'5"	8'0"				
17† Reach at Maximum Lift and	mm	1455	1557	1557	1620				
45° Discharge	ft/in	4'9"	5'1"	5'1"	5'3"				
Reach at Level Lift Arm and	mm	2837	2998	2998	3129				
Bucket Level	ft/in	9'3"	9'10"	9'10"	10'3"				
A† Digging Depth	mm	102	102	72	75				
	in	4"	4"	2.8"	2.9"				
12† Overall Length	mm	8457	8630	8630	8791				
	ft/in	27'9"	28'4"	28'4"	28'11"				
<b>B</b> † Overall Height with Bucket at	mm	5588	5588	5588	5632				
Maximum Lift	ft/in	18'4"	18'4"	18'4"	18'6"				
Loader Clearance Circle Radius	mm	6775	6862	6862	6922				
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'7"	22'9"				
Static Tipping Load, Straight	kg	12 124	11 983	12 302	11 788				
(With tire deflection)	lb	26,729	26,419	27,122	25,988				
Static Tipping Load, Straight	kg	12 850	12 708	13 037	12 511				
(No tire deflection)	lb	28,330	28,017	28,743	27,583				
Static Tipping Load,	kg	10 386	10 246	10 548	10 053				
Articulated (With tire deflection)	lb	22,898	22,589	23,256	22,164				
Static Tipping Load, Articulated	kg	11 121	10 979	11 292	10 785				
(No tire deflection)	lb	24,518	24,205	24,895	23,778				
Breakout Force(§)	kN	161	160	173	162				
	lbf	36,293	36,010	39,099	36,489				
Operating Weight*	kg	19 803	19 911	19 754	20 100				
	lb	43,657	43,895	43,549	44,311				

<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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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.

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

Linkage		Standard Linkage							
Bucket Type		Fla	t Floor – Hook-On – Fusion		Flat Floor – Hook-On Fusion – BGE – FMT				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Tips				
Capacity – Rated	m <sup>3</sup>	3.60	3.60	3.40	3.80				
	$yd^3$	4.75	4.75	4.50	5.00				
Capacity – Rated at 110% Fill Factor	$m^3$	4.00	4.00	3.70	4.20				
	$yd^3$	5.25	5.25	4.75	5.50				
Width	mm	2927	2994	2994	2995				
	ft/in	9'7"	9'9"	9'9"	9'9"				
<b>16</b> † Dump Clearance at Maximum Lift	mm	2675	2549	2549	2385				
and 45° Discharge	ft/in	8'9"	8'4"	8'4"	7'9"				
17† Reach at Maximum Lift and	mm	1486	1589	1589	1694				
45° Discharge	ft/in	4'10"	5'2"	5'2"	5'6"				
Reach at Level Lift Arm and	mm	2882	3043	3043	3234				
Bucket Level	ft/in	9'5"	9'11"	9'11"	10'7"				
A† Digging Depth	mm	102	102	72	75				
	in	4"	4"	2.8"	2.9"				
12† Overall Length	mm	8502	8675	8675	8896				
	ft/in	27'11"	28'6"	28'6"	29'3"				
B† Overall Height with Bucket at	mm	5631	5631	5631	5736				
Maximum Lift	ft/in	18'6"	18'6"	18'6"	18'10"				
Loader Clearance Circle Radius	mm	6789	6877	6877	6956				
with Bucket at Carry Position	ft/in	22'4"	22'7"	22'7"	22'10"				
Static Tipping Load, Straight	kg	12 041	11 900	12 219	11 573				
(With tire deflection)	lb	26,546	26,235	26,938	25,514				
Static Tipping Load, Straight	kg	12 768	12 626	12 956	12 299				
(No tire deflection)	lb	28,150	27,835	28,564	27,115				
Static Tipping Load,	kg	10 308	10 167	10 470	9848				
Articulated (With tire deflection)	lb	22,726	22,415	23,082	21,711				
Static Tipping Load, Articulated	kg	11 044	10 901	11 215	10 582				
(No tire deflection)	lb	24,349	24,034	24,726	23,331				
Breakout Force(§)	kN	156	154	167	150				
	lbf	35,090	34,809	37,719	33,911				
Operating Weight*	kg	19 843	19 951	19 794	20 223				
	lb	43,745	43,983	43,637	44,583				

<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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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.

Linkage		Standard Linkage								
Bucket Type		Multi	i-Purpose – Pin	-On	Multi-Purp	ose – Hook-On	– Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips			
Capacity – Rated	$m^3$	2.90	2.90	2.70	2.90	2.90	2.70			
	$yd^3$	3.75	3.75	3.50	3.75	3.75	3.50			
Capacity – Rated at 110% Fill Factor	$m^3$	3.20	3.20	3.00	3.20	3.20	3.00			
	$yd^3$	4.25	4.25	4.00	4.25	4.25	4.00			
Width	mm	2943	3020	3020	3007	3000	3000			
	ft/in	9'7"	9'10"	9'10"	9'10"	9'10"	9'10"			
6† Dump Clearance at Maximum Lift	mm	3003	2877	2877	2964	2854	2854			
and 45° Discharge	ft/in	9'10"	9'5"	9'5"	9'8"	9'4"	9'4"			
7† Reach at Maximum Lift and	mm	1448	1574	1574	1537	1657	1657			
45° Discharge	ft/in	4'9"	5'1"	5'1"	5'0"	5'5"	5'5"			
Reach at Level Lift Arm and	mm	2590	2766	2766	2685	2846	2846			
Bucket Level	ft/in	8'5"	9'0"	9'0"	8'9"	9'4"	9'4"			
A† Digging Depth	mm	103	103	103	82	82	52			
	in	4"	4"	4"	3.2"	3.2"	2"			
2† Overall Length	mm	8211	8407	8407	8290	8465	8465			
	ft/in	27'0"	27'7"	27'7"	27'3"	27'10"	27'10"			
B† Overall Height with Bucket at	mm	5321	5321	5321	5393	5393	5393			
Maximum Lift	ft/in	17'6"	17'6"	17'6"	17'9"	17'9"	17'9"			
Loader Clearance Circle Radius	mm	6712	6811	6811	6756	6810	6810			
with Bucket at Carry Position	ft/in	22'1"	22'5"	22'5"	22'2"	22'5"	22'5"			
Static Tipping Load, Straight	kg	12 596	12 423	12 749	11 895	11 766	12 071			
(With tire deflection)	lb	27,771	27,389	28,108	26,224	25,940	26,613			
Static Tipping Load, Straight	kg	13 334	13 159	13 499	12 629	12 498	12 817			
(No tire deflection)	lb	29,397	29,010	29,760	27,842	27,554	28,257			
Static Tipping Load,	kg	10 820	10 647	10 954	10 148	10 019	10 306			
Articulated (With tire deflection)	lb	23,855	23,473	24,151	22,373	22,088	22,721			
Static Tipping Load, Articulated	kg	11 565	11 390	11 711	10 890	10 759	11 059			
(No tire deflection)	lb	25,497	25,111	25,818	24,009	23,721	24,383			
Breakout Force(§)	kN	196	194	196	180	178	195			
<u>~</u>	lbf	44,133	43,733	44,048	40,511	40,222	44,002			
Operating Weight*	kg	19 605	19 740	19 587	20 160	20 260	20 118			
	lb	43,221	43,518	43,181	44,445	44,664	44,351			

<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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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			High Dum	p – Pin-On		High Dump – Pin-On – Abrasion
Edge Type		Bolt-On Cutting Edges				
Capacity – Rated	$m^3$	5.10	6.10	7.60	9.20	8.20
	$yd^3$	6.75	8.00	10.00	12.00	10.75
Capacity – Rated at 110% Fill Factor	$m^3$	5.60	6.70	8.40	10.10	9.00
	$yd^3$	7.25	8.75	11.00	13.25	11.75
Width	mm	3029	2910	3350	3350	3205
	ft/in	9'11"	9'6"	10'11"	10'11"	10'6"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2451	2325	2254	2112	2251
and 45° Discharge	ft/in	8'0"	7'7"	7'4"	6'11"	7'4"
17† Reach at Maximum Lift and	mm	1721	1742	1908	2049	1911
45° Discharge	ft/in	5'7"	5'8"	6'3"	6'8"	6'3"
Reach at Level Lift Arm and	mm	3207	3311	3478	3678	3482
Bucket Level	ft/in	10'6"	10'10"	11'4"	12'0"	11'5"
A† Digging Depth	mm	94	168	72	72	101
	in	3.7"	6.6"	2.8"	2.8"	4"
12† Overall Length	mm	8821	8978	9098	9298	9102
	ft/in	29'0"	29'6"	29'11"	30'7"	29'11"
B† Overall Height with Bucket at	mm	6066	6074	6049	6250	6477
Maximum Lift	ft/in	19'11"	20'0"	19'11"	20'7"	21'3"
Loader Clearance Circle Radius	mm	6938	6947	7171	7239	7109
with Bucket at Carry Position	ft/in	22'10"	22'10"	23'7"	23'9"	23'4"
Static Tipping Load, Straight	kg	11 226	10 289	10 698	10 371	9875
(With tire deflection)	lb	24,749	22,684	23,585	22,866	21,771
Static Tipping Load, Straight	kg	11 958	11 007	11 463	11 140	10 613
(No tire deflection)	lb	26,365	24,267	25,272	24,561	23,399
Static Tipping Load,	kg	9544	8640	9009	8700	8214
Articulated (With tire deflection)	lb	21,041	19,048	19,861	19,180	18,109
Static Tipping Load, Articulated	kg	10 285	9366	9781	9476	8960
(No tire deflection)	lb	22,675	20,649	21,564	20,892	19,755
Breakout Force(§)	kN	123	114	108	96	100
	lbf	27,694	25,628	24,436	21,789	22,553
Operating Weight*	kg	20 108	20 870	20 669	20 842	21 262
	lb	44,329	46,009	45,566	45,948	46,874

<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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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.

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 Lift	mm	2279	2208	2066				
and 45° Discharge	ft/in	7'5"	7'2"	6'9"				
7† Reach at Maximum Lift and	mm	1882	1954	2095				
45° Discharge	ft/in	6'2"	6'4"	6'10"				
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† Overall Height with Bucket at	mm	6023	6089	6290				
Maximum Lift	ft/in	19'10"	20'0"	20'8"				
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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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		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)	1b	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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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.

Linkage		Standard Linkage								
Bucket Type		Rock, Spade – Pin-On***	Rock, Straight – Pin-On***	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"					
16† 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† 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)	lb	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					
	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, standard counterweight, ride control, cold start, roading fenders, Product Link, 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.

Linkage					Hi	gh Lift Linka	ige			
Bucket Type					Genera	I Purpose –	Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	$m^3$	3.10	3.10	2.90	3.30	3.30	3.10	3.40	3.40	3.20
	$yd^3$	4.00	4.00	3.75	4.25	4.25	4.00	4.50	4.50	4.25
Capacity - Rated at 110% Fill Factor	$m^3$	3.40	3.40	3.20	3.60	3.60	3.40	3.70	3.70	3.50
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50	4.75	4.75	4.50
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	3369	3251	3251	3331	3212	3212	3313	3193	3193
and 45° Discharge	ft/in	11'0"	10'8"	10'8"	10'11"	10'6"	10'6"	10'10"	10'5"	10'5"
17† Reach at Maximum Lift and	mm	1471	1581	1581	1499	1609	1609	1514	1624	1624
45° Discharge	ft/in	4'9"	5'2"	5'2"	4'11"	5'3"	5'3"	4'11"	5'3"	5'3"
Reach at Level Lift Arm and	mm	3069	3230	3230	3118	3279	3279	3142	3303	3303
Bucket Level	ft/in	10'0"	10'7"	10'7"	10'2"	10'9"	10'9"	10'3"	10'10"	10'10"
A† Digging Depth	mm	106	106	76	106	106	76	106	106	76
	in	4.1"	4.1"	3"	4.1"	4.1"	3"	4.1"	4.1"	3"
12† Overall Length	mm	8795	8966	8966	8844	9015	9015	8868	9039	9039
	ft/in	28'11"	29'5"	29'5"	29'1"	29'7"	29'7"	29'2"	29'8"	29'8"
<b>B</b> † Overall Height with Bucket at	mm	6018	6018	6018	6064	6064	6064	6090	6090	6090
Maximum Lift	ft/in	19'9"	19'9"	19'9"	19'11"	19'11"	19'11"	20'0"	20'0"	20'0"
Loader Clearance Circle Radius	mm	6937	7027	7027	6953	7043	7043	6960	7051	7051
with Bucket at Carry Position	ft/in	22'10"	23'1"	23'1"	22'10"	23'2"	23'2"	22'11"	23'2"	23'2"
Static Tipping Load, Straight	kg	11 512	11 376	11 634	11 399	11 262	11 519	11 358	11 220	11 475
(With tire deflection)	lb	25,381	25,080	25,650	25,131	24,828	25,395	25,041	24,737	25,298
Static Tipping Load, Straight	kg	12 099	11 961	12 224	11 987	11 849	12 110	11 947	11 808	12 067
(No tire deflection)	lb	26,674	26,371	26,950	26,427	26,122	26,698	26,339	26,033	26,603
Static Tipping Load,	kg	9851	9714	9958	9742	9605	9847	9702	9565	9805
Articulated (With tire deflection)	lb	21,718	21,417	21,954	21,478	21,175	21,709	21,391	21,087	21,616
Static Tipping Load, Articulated	kg	10 455	10 317	10 564	10 347	10 209	10 455	10 309	10 170	10 413
(No tire deflection)	lb	23,049	22,746	23,291	22,812	22,507	23,049	22,727	22,421	22,958
Breakout Force(§)	kN	172	171	187	165	164	179	162	160	175
	lbf	38,686	38,433	42,059	37,134	36,882	40,250	36,421	36,169	39,423
Operating Weight*	kg	19 921	20 029	19 872	19 991	20 099	19 942	20 015	20 123	19 966
	lb	43,918	44,156	43,810	44,071	44,309	43,963	44,124	44,362	44,016

<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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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		Gener	al Purpose – Pi	n-On	General Pu	rpose – Hook-O	n – Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips			
Capacity – Rated	$m^3$	3.60	3.60	3.40	3.10	3.10	2.90			
	$yd^3$	4.75	4.75	4.50	4.00	4.00	3.75			
Capacity – Rated at 110% Fill Factor	$m^3$	4.00	4.00	3.70	3.40	3.40	3.20			
	yd <sup>3</sup>	5.25	5.25	4.75	4.50	4.50	4.25			
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	3286	3167	3167	3330	3212	3212			
and 45° Discharge	ft/in	10'9"	10'4"	10'4"	10'11"	10'6"	10'6"			
7† Reach at Maximum Lift and	mm	1536	1645	1645	1516	1627	1627			
45° Discharge	ft/in	5'0"	5'4"	5'4"	4'11"	5'4"	5'4"			
Reach at Level Lift Arm and	mm	3177	3338	3338	3129	3290	3290			
Bucket Level	ft/in	10'5"	10'11"	10'11"	10'3"	10'9"	10'9"			
A† Digging Depth	mm	106	106	76	106	106	76			
	in	4.1"	4.1"	3"	4.1"	4.1"	3"			
12† Overall Length	mm	8903	9074	9074	8855	9026	9026			
	ft/in	29'3"	29'10"	29'10"	29'1"	29'8"	29'8"			
<b>B</b> † Overall Height with Bucket at	mm	6124	6124	6124	6051	6051	6051			
Maximum Lift	ft/in	20'2"	20'2"	20'2"	19'11"	19'11"	19'11"			
Loader Clearance Circle Radius	mm	6972	7063	7063	6946	7037	7037			
with Bucket at Carry Position	ft/in	22'11"	23'3"	23'3"	22'10"	23'2"	23'2"			
Static Tipping Load, Straight	kg	11 292	11 154	11 405	10 956	10 820	11 118			
(With tire deflection)	lb	24,895	24,591	25,145	24,154	23,854	24,511			
Static Tipping Load, Straight	kg	11 882	11 743	11 998	11 535	11 398	11 704			
(No tire deflection)	lb	26,196	25,889	26,452	25,431	25,129	25,804			
Static Tipping Load,	kg	9640	9501	9739	9317	9180	9463			
Articulated (With tire deflection)	lb	21,253	20,948	21,471	20,540	20,240	20,864			
Static Tipping Load, Articulated	kg	10 247	10 108	10 348	9913	9776	10 067			
(No tire deflection)	lb	22,592	22,285	22,815	21,856	21,554	22,195			
Breakout Force(§)	kN	157	156	170	163	162	177			
w/	lbf	35,424	35,172	38,270	36,824	36,572	39,889			
Operating Weight*	kg	20 051	20 159	20 002	20 391	20 499	20 342			
	lb	44,204	44,442	44,096	44,954	45,192	44,846			

<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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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 L	ift Linkage		
Bucket Type			Ge	neral Purpose	e – Hook-On – Fusio	n	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	$m^3$	3.40	3.40	3.20	3.60	3.60	3.40
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.70	3.50	4.00	4.00	3.70
	$yd^3$	4.75	4.75	4.50	5.25	5.25	4.75
Width	mm	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
6† Dump Clearance at Maximum Lift	mm	3273	3154	3154	3246	3127	3127
and 45° Discharge	ft/in	10'8"	10'4"	10'4"	10'7"	10'3"	10'3"
7† Reach at Maximum Lift and	mm	1559	1669	1669	1581	1690	1690
45° Discharge	ft/in	5'1"	5'5"	5'5"	5'2"	5'6"	5'6"
Reach at Level Lift Arm and	mm	3202	3363	3363	3237	3398	3398
Bucket Level	ft/in	10'6"	11'0"	11'0"	10'7"	11'1"	11'1"
A† Digging Depth	mm	106	106	76	106	106	76
	in	4.1"	4.1"	3"	4.1"	4.1"	3"
2† Overall Length	mm	8928	9099	9099	8963	9134	9134
· -	ft/in	29'4"	29'11"	29'11"	29'5"	30'0"	30'0"
B† Overall Height with Bucket at	mm	6123	6123	6123	6157	6157	6157
Maximum Lift	ft/in	20'2"	20'2"	20'2"	20'3"	20'3"	20'3"
Loader Clearance Circle Radius	mm	6970	7061	7061	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	10 832	10 694	10 991	10 770	10 633	10 928
(With tire deflection)	lb	23,880	23,578	24,231	23,745	23,441	24,093
Static Tipping Load, Straight	kg	11 414	11 275	11 580	11 354	11 215	11 518
(No tire deflection)	lb	25,163	24,858	25,529	25,031	24,725	25,394
Static Tipping Load,	kg	9198	9061	9343	9140	9002	9283
Articulated (With tire deflection)	lb	20,279	19,976	20,597	20,151	19,847	20,467
Static Tipping Load, Articulated	kg	9798	9659	9949	9741	9602	9891
(No tire deflection)	lb	21,601	21,296	21,934	21,475	21,169	21,806
Breakout Force(§)	kN	154	153	166	150	149	162
	lbf	34,767	34,516	37,511	33,852	33,600	36,459
Operating Weight*	kg	20 461	20 569	20 412	20 495	20 603	20 446
	lb	45,108	45,346	45,000	45,183	45,421	45,075

<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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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.

Linkage					Hi	gh Lift Linka	ige			
Bucket Type					Fla	t Floor – Pin	-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	$m^3$	3.30	3.30	3.10	3.40	3.40	3.20	3.60	3.60	3.40
	$yd^3$	4.25	4.25	4.00	4.50	4.50	4.25	4.75	4.75	4.50
Capacity – Rated at 110% Fill Factor	$m^3$	3.60	3.60	3.40	3.70	3.70	3.50	4.00	4.00	3.70
	$yd^3$	4.75	4.75	4.50	4.75	4.75	4.50	5.25	5.25	4.75
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	3283	3157	3157	3255	3129	3129	3223	3097	3097
and 45° Discharge	ft/in	10'9"	10'4"	10'4"	10'8"	10'3"	10'3"	10'6"	10'1"	10'1"
17† Reach at Maximum Lift and	mm	1419	1522	1522	1448	1550	1550	1479	1582	1582
45° Discharge	ft/in	4'7"	4'11"	4'11"	4'9"	5'1"	5'1"	4'10"	5'2"	5'2"
Reach at Level Lift Arm and	mm	3112	3273	3273	3152	3313	3313	3197	3358	3358
Bucket Level	ft/in	10'2"	10'8"	10'8"	10'4"	10'10"	10'10"	10'5"	11'0"	11'0"
A† Digging Depth	mm	106	106	76	106	106	76	106	106	76
	in	4.1"	4.1"	3"	4.1"	4.1"	3"	4.1"	4.1"	3"
12† Overall Length	mm	8838	9009	9009	8878	9049	9049	8923	9094	9094
	ft/in	29'0"	29'7"	29'7"	29'2"	29'9"	29'9"	29'4"	29'11"	29'11"
<b>B</b> † Overall Height with Bucket at	mm	6020	6020	6020	6059	6059	6059	6108	6108	6108
Maximum Lift	ft/in	19'9"	19'9"	19'9"	19'11"	19'11"	19'11"	20'1"	20'1"	20'1"
Loader Clearance Circle Radius	mm	6951	7042	7042	6964	7055	7055	6978	7070	7070
with Bucket at Carry Position	ft/in	22'10"	23'2"	23'2"	22'11"	23'2"	23'2"	22'11"	23'3"	23'3"
Static Tipping Load, Straight	kg	11 313	11 177	11 430	11 240	11 103	11 353	11 158	11 021	11 267
(With tire deflection)	lb	24,942	24,643	25,198	24,781	24,480	25,029	24,600	24,298	24,840
Static Tipping Load, Straight	kg	11 888	11 751	12 007	11 816	11 679	11 931	11 736	11 598	11 847
(No tire deflection)	lb	26,209	25,908	26,471	26,051	25,747	26,304	25,874	25,569	26,118
Static Tipping Load,	kg	9671	9535	9773	9601	9464	9700	9523	9386	9618
Articulated (With tire deflection)	lb	21,321	21,021	21,547	21,167	20,866	21,385	20,996	20,693	21,205
Static Tipping Load, Articulated	kg	10 263	10 126	10 367	10 195	10 057	10 296	10 119	9980	10 215
(No tire deflection)	lb	22,627	22,325	22,857	22,476	22,173	22,698	22,308	22,003	22,522
Breakout Force(§)	kN	165	164	179	160	159	173	155	154	167
	lbf	37,304	37,051	40,449	36,121	35,869	39,076	34,869	34,618	37,631
Operating Weight*	kg	19 976	20 084	19 927	20 016	20 124	19 967	20 060	20 168	20 011
	lb	44,040	44,278	43,931	44,128	44,366	44,020	44,225	44,463	44,117

<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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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		Flat Flo	oor – Pin-On – BGE	– FMT	Flat Floor – Pin-0	n – Light Material				
Edge Type		Teeth and Segments	Tips	Tips	Bolt-On Cutting Edges	Bolt-On Cutting Edges				
Capacity – Rated	$m^3$	3.50	3.30	3.60	4.60	4.60				
	$yd^3$	4.50	4.25	4.75	6.00	6.00				
Capacity – Rated at 110% Fill Factor	$m^3$	3.80	3.60	4.00	5.00	5.00				
	$yd^3$	5.00	4.75	5.25	6.50	6.50				
Width	mm	2994	2994	2995	3059	3338				
	ft/in	9'9"	9'9"	9'9"	10'0"	10'11"				
<b>16</b> † Dump Clearance at Maximum Lift	mm	3148	3148	3079	3122	3127				
and 45° Discharge	ft/in	10'3"	10'3"	10'1"	10'2"	10'3"				
17† Reach at Maximum Lift and	mm	1577	1577	1653	1573	1589				
45° Discharge	ft/in	5'2"	5'2"	5'5"	5'1"	5'2"				
Reach at Level Lift Arm and	mm	3319	3319	3421	3334	3342				
Bucket Level	ft/in	10'10"	10'10"	11'2"	10'11"	10'11"				
A† Digging Depth	mm	113	84	79	76	96				
	in	4.4"	3.3"	3.1"	3"	3.8"				
12† Overall Length	mm	9035	9035	9134	9063	9062				
	ft/in	29'8"	29'8"	30'0"	29'9"	29'9"				
<b>B</b> † Overall Height with Bucket at	mm	6073	6073	6155	6291	6007				
Maximum Lift	ft/in	20'0"	20'0"	20'3"	20'8"	19'9"				
Loader Clearance Circle Radius	mm	7037	7037	7069	7083	7198				
with Bucket at Carry Position	ft/in	23'2"	23'2"	23'3"	23'3"	23'8"				
Static Tipping Load, Straight	kg	10 740	11 134	10 926	10 766	10 893				
(With tire deflection)	lb	23,678	24,548	24,089	23,736	24,015				
Static Tipping Load, Straight	kg	11 314	11 715	11 504	11 352	11 459				
(No tire deflection)	lb	24,943	25,827	25,363	25,026	25,263				
Static Tipping Load,	kg	9096	9482	9290	9142	9284				
Articulated (With tire deflection)	lb	20,054	20,904	20,481	20,155	20,468				
Static Tipping Load, Articulated	kg	9687	10 079	9886	9745	9868				
(No tire deflection)	lb	21,358	22,222	21,795	21,484	21,755				
Breakout Force(§)	kN	160	171	157	148	140				
	lbf	36,103	38,479	35,441	33,292	31,463				
Operating Weight*	kg	20 471	20 206	20 287	20 344	20 140				
- r	lb	45,130	44,546	44,725	44,849	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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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.

Linkage			High Lift Li	nkage	
Bucket Type	Fla	Flat Floor – Hook-On Fusion – BGE – FM1			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Tips
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.20	3.40
	$yd^3$	4.50	4.50	4.25	4.50
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.70	3.50	3.70
	$yd^3$	4.75	4.75	4.50	4.75
Width	mm	2927	2994	2994	2995
	ft/in	9'7"	9'9"	9'9"	9'9"
16† Dump Clearance at Maximum Lift	mm	3212	3087	3087	2964
and 45° Discharge	ft/in	10'6"	10'1"	10'1"	9'8"
17† Reach at Maximum Lift and	mm	1490	1592	1592	1655
45° Discharge	ft/in	4'10"	5'2"	5'2"	5'5"
Reach at Level Lift Arm and	mm	3212	3373	3373	3504
Bucket Level	ft/in	10'6"	11'0"	11'0"	11'5"
A† Digging Depth	mm	106	106	76	79
	in	4.1"	4.1"	3"	3.1"
12† Overall Length	mm	8938	9109	9109	9266
	ft/in	29'4"	29'11"	29'11"	30'5"
B† Overall Height with Bucket at	mm	6094	6094	6094	6137
Maximum Lift	ft/in	20'0"	20'0"	20'0"	20'2"
Loader Clearance Circle Radius	mm	6973	7065	7065	7134
with Bucket at Carry Position	ft/in	22'11"	23'3"	23'3"	23'5"
Static Tipping Load, Straight	kg	10 721	10 584	10 872	10 391
(With tire deflection)	lb	23,635	23,335	23,970	22,909
Static Tipping Load, Straight	kg	11 290	11 153	11 448	10 959
(No tire deflection)	lb	24,891	24,589	25,239	24,162
Static Tipping Load,	kg	9103	8966	9241	8776
Articulated (With tire deflection)	lb	20,069	19,768	20,373	19,348
Static Tipping Load, Articulated	kg	9690	9553	9835	9362
(No tire deflection)	lb	21,364	21,062	21,682	20,640
Breakout Force(§)	kN	153	152	165	154
	lbf	34,491	34,239	37,194	34,774
Operating Weight*	kg	20 463	20 571	20 414	20 760
- 5 5	lb	45,113	45,351	45,005	45,767

<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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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			Flat Floor – Hook-On – Fusion						
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips					
Capacity – Rated	m <sup>3</sup>	3.60	3.60	3.40					
	$yd^3$	4.75	4.75	4.50					
Capacity – Rated at 110% Fill Factor	$m^3$	4.00	4.00	3.70					
	$yd^3$	5.25	5.25	4.75					
Width	mm	2927	2994	2994					
	ft/in	9'7"	9'9"	9'9"					
16† Dump Clearance at Maximum Lift	mm	3180	3055	3055					
and 45° Discharge	ft/in	10'5"	10'0"	10'0"					
17† Reach at Maximum Lift and	mm	1522	1624	1624					
45° Discharge	ft/in	4'11"	5'3"	5'3"					
Reach at Level Lift Arm and	mm	3257	3418	3418					
Bucket Level	ft/in	10'8"	11'2"	11'2"					
A† Digging Depth	mm	106	106	76					
	in	4.1"	4.1"	3"					
12† Overall Length	mm	8983	9154	9154					
	ft/in	29'6"	30'1"	30'1"					
<b>B</b> † Overall Height with Bucket at	mm	6137	6137	6137					
Maximum Lift	ft/in	20'2"	20'2"	20'2"					
Loader Clearance Circle Radius	mm	6988	7080	7080					
with Bucket at Carry Position	ft/in	23'0"	23'3"	23'3"					
Static Tipping Load, Straight	kg	10 644	10 507	10 796					
(With tire deflection)	lb	23,467	23,165	23,801					
Static Tipping Load, Straight	kg	11 215	11 077	11 373					
(No tire deflection)	lb	24,725	24,421	25,073					
Static Tipping Load,	kg	9030	8893	9168					
Articulated (With tire deflection)	lb	19,909	19,607	20,213					
Static Tipping Load, Articulated	kg	9619	9481	9763					
(No tire deflection)	lb	21,207	20,903	21,525					
Breakout Force(§)	kN	148	147	159					
	lbf	33,343	33,092	35,877					
Operating Weight*	kg	20 503	20 611	20 454					
	lb	45,201	45,439	45,093					

<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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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		High Dump – Pin-On – Abrasion
Edge Type		Bolt-On Cutting Edges				
Capacity – Rated	m <sup>3</sup>	5.10	6.10	7.60	9.20	8.20
	$yd^3$	6.75	8.00	10.00	12.00	10.75
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.60	6.70	8.40	10.10	9.00
	yd³	7.25	8.75	11.00	13.25	11.75
Width	mm	3029	2910	3350	3350	3205
	ft/in	9'11"	9'6"	10'11"	10'11"	10'6"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2956	2830	2759	2617	2756
and 45° Discharge	ft/in	9'8"	9'3"	9'0"	8'7"	9'0"
17† Reach at Maximum Lift and	mm	1757	1778	1943	2085	1946
45° Discharge	ft/in	5'9"	5'10"	6'4"	6'10"	6'4"
Reach at Level Lift Arm and	mm	3582	3686	3853	4053	3857
Bucket Level	ft/in	11'9"	12'1"	12'7"	13'3"	12'7"
A† Digging Depth	mm	99	173	76	76	106
	in	3.9"	6.8"	3"	3"	4.1"
12† Overall Length	mm	9303	9452	9579	9779	9583
	ft/in	30'7"	31'1"	31'6"	32'1"	31'6"
<b>B</b> † Overall Height with Bucket at	mm	6571	6580	6554	6755	6983
Maximum Lift	ft/in	21'7"	21'8"	21'7"	22'2"	22'11"
Loader Clearance Circle Radius	mm	7146	7165	7380	7450	7320
with Bucket at Carry Position	ft/in	23'6"	23'7"	24'3"	24'6"	24'1"
Static Tipping Load, Straight	kg	9911	9014	9362	9058	8587
(With tire deflection)	lb	21,851	19,874	20,640	19,970	18,932
Static Tipping Load, Straight	kg	10487	9581	9961	9660	9168
(No tire deflection)	lb	23,121	21,123	21,960	21,297	20,213
Static Tipping Load,	kg	8342	7474	7788	7500	7037
Articulated (With tire deflection)	lb	18,391	16,477	17,171	16,535	15,515
Static Tipping Load, Articulated	kg	8936	8057	8405	8120	7636
(No tire deflection)	lb	19,702	17,764	18,531	17,902	16,835
Breakout Force(§)	kN	116	108	102	91	94
W/	lbf	26,251	24,376	23,126	20,601	21,310
Operating Weight*	kg	20 768	21 530	21 329	21 502	21 922
	lb	45,785	47,465	47,022	47,404	48,330

<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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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		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 <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 Lift	mm	2784	2713	2572					
and 45° Discharge	ft/in	9'1"	8'10"	8'5"					
7† Reach at Maximum Lift and	mm	1918	1989	2131					
45° Discharge	ft/in	6'3"	6'6"	6'11"					
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 with Bucket at	mm	6529	6594	6795					
Maximum Lift	ft/in	21'6"	21'8"	22'4"					
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)	lb	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					
- 5 5	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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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.

Linkage			High Lift	Linkage			
Bucket Type		Woodchi	p — Pin-On	Woodchip – Hook-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	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>B</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, high lift counterweight, ride control, cold start, roading fenders, Product Link, 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		,			Auxili	ary Counter	weight			
Bucket Type					Genera		Pin-On		-	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	$m^3$	3.10	3.10	2.90	3.30	3.30	3.10	3.40	3.40	3.20
	$yd^3$	4.00	4.00	3.75	4.25	4.25	4.00	4.50	4.50	4.25
Capacity – Rated at 110% Fill Factor	$m^3$	3.40	3.40	3.20	3.60	3.60	3.40	3.70	3.70	3.50
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50	4.75	4.75	4.50
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
16† Dump Clearance at Maximum Lift	mm	2864	2746	2746	2826	2707	2707	2807	2688	2688
and 45° Discharge	ft/in	9'4"	9'0"	9'0"	9'3"	8'10"	8'10"	9'2"	8'9"	8'9"
17† Reach at Maximum Lift and	mm	1435	1546	1546	1464	1574	1574	1479	1588	1588
45° Discharge	ft/in	4'8"	5'0"	5'0"	4'9"	5'1"	5'1"	4'10"	5'2"	5'2"
Reach at Level Lift Arm and	mm	2694	2855	2855	2743	2904	2904	2767	2928	2928
Bucket Level	ft/in	8'10"	9'4"	9'4"	9' 0"	9'6"	9'6"	9'0"	9'7"	9'7"
A† Digging Depth	mm	102	102	72	102	102	72	102	102	72
	in	4"	4"	2.8"	4"	4"	2.8"	4"	4"	2.8"
12† Overall Length	mm	8343	8516	8516	8392	8565	8565	8416	8589	8589
	ft/in	27'5"	28'0"	28'0"	27'7"	28'2"	28'2"	27'8"	28'3"	28'3"
<b>B</b> † Overall Height with Bucket at	mm	5513	5513	5513	5559	5559	5559	5585	5585	5585
Maximum Lift	ft/in	18'2"	18'2"	18'2"	18'3"	18'3"	18'3"	18'4"	18'4"	18'4"
Loader Clearance Circle Radius	mm	6735	6821	6821	6750	6836	6836	6757	6844	6844
with Bucket at Carry Position	ft/in	22'2"	22'5"	22'5"	22'2"	22'6"	22'6"	22'3"	22'6"	22'6"
Static Tipping Load, Straight	kg	13 823	13 682	13 976	13 698	13 557	13 849	13 654	13 512	13 801
(With tire deflection)	lb	30,474	30,164	30,813	30,200	29,888	30,533	30,102	29,789	30,426
Static Tipping Load, Straight	kg	14 637	14 495	14 797	14 515	14 371	14 672	14 471	14 328	14 625
(No tire deflection)	lb	32,269	31,956	32,622	32,000	31,684	32,348	31,905	31,588	32,243
Static Tipping Load,	kg	11 889	11 748	12 023	11 770	11 628	11 902	11 727	11 585	11 855
Articulated (With tire deflection)	lb	26,211	25,901	26,507	25,949	25,637	26,239	25,855	25,542	26,137
Static Tipping Load, Articulated	kg	12 713	12 571	12 853	12 596	12 453	12 734	12 555	12 411	12 688
(No tire deflection)	lb	28,028	27,714	28,336	27,771	27,455	28,074	27,680	27,363	27,974
Breakout Force(§)	kN	181	179	196	173	172	188	170	169	184
	lbf	40,689	40,400	44,194	39,063	38,777	42,300	38,316	38,030	41,434
Operating Weight*	kg	19 671	19 779	19 622	19 740	19 848	19 691	19 764	19 872	19 715
	lb	43,366	43,604	43,258	43,519	43,757	43,411	43,572	43,810	43,464

<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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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 Counterweight									
Bucket Type		Gener	al Purpose – Pi	n-On	General Purpose – Hook-On – Fusion						
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips				
Capacity – Rated	$m^3$	3.60	3.60	3.40	3.10	3.10	2.90				
	$yd^3$	4.75	4.75	4.50	4.00	4.00	3.75				
Capacity – Rated at 110% Fill Factor	$m^3$	4.00	4.00	3.70	3.40	3.40	3.20				
	yd <sup>3</sup>	5.25	5.25	4.75	4.50	4.50	4.25				
Width	mm	2927	2994	2994	2927	2994	2994				
	mm         2927         2994         2994         2927           ft/in         9'7"         9'9"         9'9"         9'7"           mm         2781         2661         2661         2825           ft/in         9'1"         8'8"         8'8"         9'3"           mm         1501         1610         1610         1481           ft/in         4'11"         5'3"         5'3"         4'10"           mm         2802         2963         2963         2754           ft/in         9'2"         9'8"         9'8"         9'0"           mm         102         102         72         102           in         4"         4"         2.8"         4"           mm         8451         8624         8624         8403           ft/in         27'9"         28'4"         28'4"         27'7"	9'9"	9'9"								
6† Dump Clearance at Maximum Lift	mm	2781	2661	2661	2825	General Purpose – Hook-On -Bolt-On Cutting Edges         Teeth and Segments           3.10         3.10           4.00         4.00           3.40         4.50           4.50         2927           294         9'7"           9'9"         2825           9'3"         8'10"           1481         1591           4'10"         5'2"           2754         2915           9'0"         9'6"           102         102           4"         4"           8403         8576           27'7"         28'2"           5546         5546           18'3"         18'3"           6749         6836           22'2"         22'6"           13 221         13 081           29,147         28,838           14 023         13 881           30,915         30,602           11 316         11 176           24,948         24,639           12 128         11 987           26,739         26,426	2706				
and 45° Discharge	ft/in	9'1"	8'8"	8'8"	9'3"	8'10"	8'10"				
7† Reach at Maximum Lift and	mm	1501	1610	1610	1481	1591	1591				
45° Discharge	ft/in	4'11"	5'3"	5'3"	4'10"	5'2"	5'2"				
Reach at Level Lift Arm and	mm	2802	2963	2963	2754	2915	2915				
Bucket Level	ft/in				<u> </u>		9'6"				
A† Digging Depth	mm	102	102	72	102	102	72				
	in	4"	4"	2.8"	4"	4"	2.8"				
2† Overall Length	mm	8451	8624	8624	8403	8576	8576				
	ft/in				;		28'2"				
<b>B</b> † Overall Height with Bucket at	mm	5618	5618	5618	5546	5546	5546				
Maximum Lift	ft/in	18'6"	18'6"	18'6"	<u> </u>		18'3"				
Loader Clearance Circle Radius	mm	6768	6854	6854	6749		6836				
with Bucket at Carry Position	ft/in	22'3"	22'6"	22'6"	÷		22'6"				
Static Tipping Load, Straight	kg	13 581	13 438	13 724	13 221	13 081	13 421				
(With tire deflection)	lb	29,941	29,626	30,256	;		29,589				
Static Tipping Load, Straight	kg	14 400	14 256	14 549	<del></del>		14 235				
(No tire deflection)	lb	31,748	31,429	32,076	30,915	30,602	31,383				
Static Tipping Load,	kg	11 658	11 515	11 782			11 497				
Articulated (With tire deflection)	lb	25,702	25,388	25,975	÷		25,346				
Static Tipping Load, Articulated	kg	12 488	12 343	12 617	<del>- i</del>		12 321				
(No tire deflection)	lb	27,531	27,213	27,816	÷		27,163				
Breakout Force(§)	kN	165	164	178	172	171	186				
w/	lbf	37,271	36,987	40,226	38,737	38,451	41,920				
Operating Weight*	kg	19 800	19 908	19 751	20 140	20 248	20 091				
	lb	43,652	43,890	43,544	44,402	44,640	44,293				

<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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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)**

inkage Auxiliary Counterweight										
Bucket Type		General Purpose – Hook-On – Fusion								
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips			
Capacity – Rated	$m^3$	3.40	3.40	3.20	3.60	3.60	3.40			
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50			
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.70	3.50	4.00	4.00	3.70			
	$yd^3$	4.75	4.75	4.50	5.25	5.25	4.75			
Width	mm	2927	2994	2994	2927	2994	2994			
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"			
6† Dump Clearance at Maximum Lift	mm	2767	2648	2648	2741	2621	2621			
and 45° Discharge	ft/in	9'0"	8'8"	8'8"	8'11"	8'7"	8'7"			
7† Reach at Maximum Lift and	mm	1524	1633	1633	1545	1654	1654			
45° Discharge	ft/in	5'0"	5'4"	5'4"	5'0"	5'5"	5'5"			
Reach at Level Lift Arm and	mm	2827	2988	2988	2862	3023	3023			
Bucket Level	ft/in	9'3"	9'9"	9'9"	9'4"	9'11"	9'11"			
A† Digging Depth	mm	102	102	72	102	102	72			
	in	4"	4"	2.8"	4"	4"	2.8"			
2† Overall Length	mm	8476	8649	8649	8511	8684	8684			
	ft/in	27'10"	28'5"	28'5"	28'0"	28'6"	28'6"			
<b>3</b> † Overall Height with Bucket at	mm	5618	5618	5618	5652	5652	5652			
Maximum Lift	ft/in	18'6"	18'6"	18'6"	18'7"	18'7"	18'7"			
Loader Clearance Circle Radius	mm	6772	6859	6859	6783	6870	6870			
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'7"	22'4"	22'7"	22'7"			
Static Tipping Load, Straight	kg	13 084	12 942	13 280	13 016	12 874	13 211			
(With tire deflection)	lb	28,845	28,533	29,278	28,696	28,382	29,125			
Static Tipping Load, Straight	kg	13 889	13 746	14 098	13 823	13 679	14 030			
(No tire deflection)	lb	30,621	30,305	31,080	30,476	30,159	30,931			
Static Tipping Load,	kg	11 186	11 044	11 363	11 122	10 979	11 298			
Articulated (With tire deflection)	lb	24,661	24,349	25,052	24,520	24,206	24,908			
Static Tipping Load, Articulated	kg	12 002	11 859	12 191	11 940	11 796	12 127			
(No tire deflection)	lb	26,461	26,145	26,877	26,323	26,006	26,736			
Breakout Force(§)	kN	162	161	175	158	157	170			
	lbf	36,582	36,299	39,430	35,623	35,340	38,329			
Operating Weight*	kg	20 210	20 318	20 161	20 244	20 352	20 195			
- r	5		-0210	_0 101			-0 170			

<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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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.

Linkage		,			Auxili	ary Counter	weight			
Bucket Type					Fla	t Floor – Pin	-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	$m^3$	3.30	3.30	3.10	3.40	3.40	3.20	3.60	3.60	3.40
	$yd^3$	4.25	4.25	4.00	4.50	4.50	4.25	4.75	4.75	4.50
Capacity – Rated at 110% Fill Factor	$m^3$	3.60	3.60	3.40	3.70	3.70	3.50	4.00	4.00	3.70
	$yd^3$	4.75	4.75	4.50	4.75	4.75	4.50	5.25	5.25	4.75
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2777	2652	2652	2749	2624	2624	2717	2592	2592
and 45° Discharge	ft/in	9'1"	8'8"	8'8"	9'0"	8'7"	8'7"	8'11"	8'6"	8'6"
17† Reach at Maximum Lift and	mm	1384	1486	1486	1412	1514	1514	1444	1546	1546
45° Discharge	ft/in	4'6"	4'10"	4'10"	4'7"	4'11"	4'11"	4'8"	5'0"	5'0"
Reach at Level Lift Arm and	mm	2737	2898	2898	2777	2938	2938	2822	2983	2983
Bucket Level	ft/in	8'11"	9'6"	9'6"	9'1"	9'7"	9'7"	9'3"	9'9"	9'9"
A† Digging Depth	mm	102	102	72	102	102	72	102	102	72
	in	4"	4"	2.8"	4"	4"	2.8"	4"	4"	2.8"
12† Overall Length	mm	8386	8559	8559	8426	8599	8599	8471	8644	8644
	ft/in	27'7"	28'1"	28'1"	27'8"	28'3"	28'3"	27'10"	28'5"	28'5"
<b>B</b> † Overall Height with Bucket at	mm	5515	5515	5515	5554	5554	5554	5602	5602	5602
Maximum Lift	ft/in	18'2"	18'2"	18'2"	18'3"	18'3"	18'3"	18'5"	18'5"	18'5"
Loader Clearance Circle Radius	mm	6748	6834	6834	6760	6847	6847	6774	6861	6861
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'6"	22'3"	22'6"	22'6"	22'3"	22'7"	22'7"
Static Tipping Load, Straight	kg	13 573	13 432	13 717	13 491	13 350	13 632	13 400	13 259	13 536
(With tire deflection)	lb	29,923	29,614	30,242	29,743	29,433	30,053	29,543	29,231	29,842
Static Tipping Load, Straight	kg	14 367	14 226	14 517	14 288	14 145	14 433	14 199	14 056	14 340
(No tire deflection)	lb	31,675	31,363	32,005	31,500	31,186	31,821	31,304	30,988	31,614
Static Tipping Load,	kg	11 664	11 524	11 791	11 587	11 446	11 710	11 501	11 359	11 619
Articulated (With tire deflection)	lb	25,715	25,406	25,995	25,545	25,235	25,816	25,356	25,044	25,616
Static Tipping Load, Articulated	kg	12 469	12 328	12 601	12 394	12 252	12 521	12 311	12 167	12 433
(No tire deflection)	lb	27,491	27,179	27,780	27,326	27,012	27,605	27,141	26,825	27,410
Breakout Force(§)	kN	174	173	189	169	167	182	163	162	176
	lbf	39,241	38,955	42,509	38,002	37,717	41,071	36,690	36,407	39,557
Operating Weight*	kg	19 726	19 834	19 677	19 766	19 874	19 717	19 810	19 918	19 761
	lb	43,487	43,725	43,379	43,576	43,814	43,468	43,673	43,911	43,564
		•	-	-	•	-	-	•	•	-

<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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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			Au	ıxiliary Counterw	eight	
Bucket Type		Flat Flo	or – Pin-On – BGI	– Pin-On – BGE – FMT Flat Floor – Pin-O		
Edge Type		Teeth and Segments	Tips	Tips	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	$m^3$	3.50	3.30	3.60	4.60	4.60
	$yd^3$	4.50	4.25	4.75	6.00	6.00
Capacity – Rated at 110% Fill Factor	$m^3$	3.80	3.60	4.00	5.00	5.00
	$yd^3$	5.00	4.75	5.25	6.50	6.50
Width	mm	2994	2994	2995	3059	3338
	ft/in	9'9"	9'9"	9'9"	10'0"	10'11"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2643	2643	2574	2617	2622
and 45° Discharge	ft/in	8'8"	8'8"	8'5"	8'7"	8'7"
17† Reach at Maximum Lift and	mm	1542	1542	1618	1537	1553
45° Discharge	ft/in	5'0"	5'0"	5'3"	5'0"	5'1"
Reach at Level Lift Arm and	mm	2944	2944	3046	2959	2967
Bucket Level	ft/in	9'7"	9'7"	9'11"	9'8"	9'8"
A† Digging Depth	mm	108	80	75	72	92
	in	4.2"	3.1"	2.9"	2.8"	3.6"
12† Overall Length	mm	8581	8581	8679	8612	8609
	ft/in	28'2"	28'2"	28'6"	28'4"	28'3"
<b>B</b> † Overall Height with Bucket at	mm	5568	5568	5650	5786	5502
Maximum Lift	ft/in	18'4"	18'4"	18'7"	19'0"	18'1"
Loader Clearance Circle Radius	mm	6835	6835	6866	6877	6999
with Bucket at Carry Position	ft/in	22'6"	22'6"	22'7"	22'7"	23'0"
Static Tipping Load, Straight	kg	12 990	13 417	13 170	12 986	13 070
(With tire deflection)	lb	28,639	29,580	29,035	28,629	28,816
Static Tipping Load, Straight	kg	13 784	14 221	13 970	13 796	13 849
(No tire deflection)	lb	30,389	31,352	30,798	30,416	30,533
Static Tipping Load,	kg	11 080	11 495	11 269	11 099	11 205
Articulated (With tire deflection)	lb	24,427	25,342	24,843	24,470	24,704
Static Tipping Load, Articulated	kg	11 884	12 309	12 079	11 920	11 996
(No tire deflection)	lb	26,201	27,138	26,631	26,280	26,447
Breakout Force(§)	kN	169	180	166	155	147
(0)	lbf	38,052	40,525	37,346	35,049	33,132
Operating Weight*	kg	20 221	19 956	20 037	20 093	19 890
r	lb	44,578	43,994	44,173	44,297	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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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	Fla	Flat Floor – Hook-On Fusion – BGE – FM					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Tips		
Capacity – Rated	$m^3$	3.40	3.40	3.20	3.40		
	$yd^3$	4.50	4.50	4.25	4.50		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70	3.50	3.70		
	$yd^3$	4.75	4.75	4.50	4.75		
Width	mm	2927	2994	2994	2995		
	ft/in	9'7"	9'9"	9'9"	9'9"		
16† Dump Clearance at Maximum Lift	mm	2707	2581	2581	2459		
and 45° Discharge	ft/in	8'10"	8'5"	8'5"	8'0"		
17† Reach at Maximum Lift and	mm	1455	1557	1557	1620		
45° Discharge	ft/in	4'9"	5'1"	5'1"	5'3"		
Reach at Level Lift Arm and	mm	2837	2998	2998	3129		
Bucket Level	ft/in	9'3"	9'10"	9'10"	10'3"		
A† Digging Depth	mm	102	102	72	75		
	in	4"	4"	2.8"	2.9"		
12† Overall Length	mm	8486	8659	8659	8820		
	ft/in	27'11"	28'5"	28'5"	29'0"		
<b>B</b> † Overall Height with Bucket at	mm	5588	5588	5588	5632		
Maximum Lift	ft/in	18'4"	18'4"	18'4"	18'6"		
Loader Clearance Circle Radius	mm	6775	6862	6862	6922		
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'7"	22'9"		
Static Tipping Load, Straight	kg	12 930	12 790	13 116	12 593		
(With tire deflection)	lb	28,507	28,198	28,917	27,763		
Static Tipping Load, Straight	kg	13 716	13 574	13 912	13 376		
(No tire deflection)	lb	30,239	29,927	30,671	29,490		
Static Tipping Load,	kg	11 054	10 914	11 222	10 719		
Articulated (With tire deflection)	lb	24,370	24,061	24,741	23,633		
Static Tipping Load, Articulated	kg	11 851	11 709	12 029	11 514		
(No tire deflection)	lb	26,128	25,815	26,520	25,385		
Breakout Force(§)	kN	161	160	173	162		
	lbf	36,293	36,010	39,099	36,489		
Operating Weight*	kg	20 213	20 321	20 164	20 510		
	lb	44,561	44,799	44,452	45,215		

<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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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.

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

Linkage		Auxiliary Counterweight					
Bucket Type		Fla	Flat Floor – Hook-On Fusion – BGE – FMT				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Tips		
Capacity – Rated	m <sup>3</sup>	3.60	3.60	3.40	3.80		
	$yd^3$	4.75	4.75	4.50	5.00		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.00	4.00	3.70	4.20		
	$yd^3$	5.25	5.25	4.75	5.50		
Width	mm	2927	2994	2994	2995		
	ft/in	9'7"	9'9"	9'9"	9'9"		
<b>16</b> † Dump Clearance at Maximum Lift	mm	2675	2549	2549	2385		
and 45° Discharge	ft/in	8'9"	8'4"	8'4"	7'9"		
17† Reach at Maximum Lift and	mm	1486	1589	1589	1694		
45° Discharge	ft/in	4'10"	5'2"	5'2"	5'6"		
Reach at Level Lift Arm and	mm	2882	3043	3043	3234		
Bucket Level	ft/in	9'5"	9'11"	9'11"	10'7"		
A† Digging Depth	mm	102	102	72	75		
	in	4"	4"	2.8"	2.9"		
12† Overall Length	mm	8531	8704	8704	8925		
	ft/in	28'0"	28'7"	28'7"	29'4"		
B† Overall Height with Bucket at	mm	5631	5631	5631	5736		
Maximum Lift	ft/in	18'6"	18'6"	18'6"	18'10"		
Loader Clearance Circle Radius	mm	6789	6877	6877	6956		
with Bucket at Carry Position	ft/in	22'4"	22'7"	22'7"	22'10"		
Static Tipping Load, Straight	kg	12 845	12 704	13 031	12 373		
(With tire deflection)	lb	28,318	28,008	28,728	27,277		
Static Tipping Load, Straight	kg	13 632	13 489	13 828	13 159		
(No tire deflection)	lb	30,054	29,740	30,487	29,011		
Static Tipping Load,	kg	10 973	10 832	11 141	10 510		
Articulated (With tire deflection)	lb	24,192	23,881	24,563	23,170		
Static Tipping Load, Articulated	kg	11 772	11 629	11 950	11 307		
(No tire deflection)	lb	25,954	25,639	26,346	24,929		
Breakout Force(§)	kN	156	154	167	150		
	lbf	35,090	34,809	37,719	33,911		
Operating Weight*	kg	20 253	20 361	20 204	20 633		
	lb	44,649	44,887	44,541	45,486		

<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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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.

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

Linkage Auxiliary Counterweight						
Bucket Type			High Dump — Pin-On — Abrasion			
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m <sup>3</sup>	5.10	6.10	7.60	9.20	8.20
	$yd^3$	6.75	8.00	10.00	12.00	10.75
Capacity – Rated at 110% Fill Factor	$m^3$	5.60	6.70	8.40	10.10	9.00
	$yd^3$	7.25	8.75	11.00	13.25	11.75
Width	mm	3029	2910	3350	3350	3205
	ft/in	9'11"	9'6"	10'11"	10'11"	10'6"
16† Dump Clearance at Maximum Lift	mm	2451	2325	2208	2066	2251
and 45° Discharge	ft/in	8'0"	7'7"	7'2"	6'9"	7'4"
17† Reach at Maximum Lift and	mm	1721	1742	1954	2095	1911
45° Discharge	ft/in	5'7"	5'8"	6'4"	6'10"	6'3"
Reach at Level Lift Arm and	mm	3207	3311	3543	3743	3482
Bucket Level	ft/in	10'6"	10'10"	11'7"	12'3"	11'5"
A† Digging Depth	mm	94	168	72	72	101
	in	3.7"	6.6"	2.8"	2.8"	4"
12† Overall Length	mm	8850	9007	9192	9392	9131
,	ft/in	29'1"	29'7"	30'2"	30'10"	30'0"
B† Overall Height with Bucket at	mm	6066	6074	6089	6290	6477
Maximum Lift	ft/in	19'11"	20'0"	20'0"	20'8"	21'3"
Loader Clearance Circle Radius	mm	6938	6947	7193	7262	7109
with Bucket at Carry Position	ft/in	22'10"	22'10"	23'8"	23'10"	23'4"
Static Tipping Load, Straight	kg	12 003	11 050	10 824	10 497	10 640
(With tire deflection)	lb	26,463	24,362	23,863	23,143	23,458
Static Tipping Load, Straight	kg	12 797	11 829	11 636	11 313	11 441
(No tire deflection)	lb	28,213	26,080	25,652	24,941	25,225
Static Tipping Load,	kg	10 186	9269	9026	8718	8845
Articulated (With tire deflection)	lb	22,457	20,435	19,901	19,221	19,502
Static Tipping Load, Articulated	kg	10 992	10 059	9850	9545	9658
(No tire deflection)	lb	24,233	22,177	21,715	21,044	21,294
Breakout Force(§)	kN	123	114	104	93	100
107	lbf	27,694	25,628	23,412	20,922	22,553
Operating Weight*	kg	20 518	21 280	21 646	21 818	21 672
1 5 6 .	lb	45,233	46,913	47,720	48,099	47,778

<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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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			<b>Auxiliary Counterweight</b>				
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 Lift	mm	2279	2208	2066			
and 45° Discharge	ft/in	7'5"	7'2"	6'9"			
7† Reach at Maximum Lift and	mm	1882	1954	2095			
45° Discharge	ft/in	6'2"	6'4"	6'10"			
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	9091	9192	9392			
	ft/in	29'10"	30'2"	30'10"			
<b>B</b> † Overall Height with Bucket at	mm	6023	6089	6290			
Maximum Lift	ft/in	19'10"	20'0"	20'8"			
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	10 698	10 824	10 497			
(With tire deflection)	lb	23,585	23,863	23,143			
Static Tipping Load, Straight	kg	11 451	11 636	11 313			
(No tire deflection)	lb	25,245	25,652	24,941			
Static Tipping Load,	kg	8961	9026	8718			
Articulated (With tire deflection)	lb	19,757	19,901	19,221			
Static Tipping Load, Articulated	kg	9728	9850	9545			
(No tire deflection)	lb	21,447	21,715	21,044			
Breakout Force(§)	kN	105	104	93			
•	lbf	23,767	23,412	20,922			
Operating Weight*	kg	21 427	21 646	21 818			
	lb	47,237	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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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	ounterweight		
Bucket Type		Woodchi	p — Pin-On	Woodchip – Hook-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	9152	9258	9284	9290	
	ft/in	30'1"	30'5"	30'6"	30'6"	
<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	12 243	12 170	10 929	10 981	
(With tire deflection)	lb	26,993	26,831	24,096	24,211	
Static Tipping Load, Straight	kg	13 102	13 039	11 682	11 744	
(No tire deflection)	lb	28,887	28,748	25,756	25,892	
Static Tipping Load,	kg	10 406	10 326	9217	9263	
Articulated (With tire deflection)	lb	22,942	22,764	20,321	20,423	
Static Tipping Load, Articulated	kg	11 275	11 205	9984	10 039	
(No tire deflection)	lb	24,858	24,703	22,012	22,134	
Breakout Force(§)	kN	104	98	97	96	
	lbf	23,478	22,134	21,897	21,762	
Operating Weight*	kg	20 352	20 444	20 987	20 948	
	lb	44,867	45,070	46,267	46,181	

<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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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		Auxiliary Counterweight						
Bucket Type		Rock, Spade – Pin-On***	Rock, Straight – Pin-On***	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 <sup>3</sup>	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>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	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			
	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, auxiliary counterweight, ride control, cold start, roading fenders, Product Link, 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.

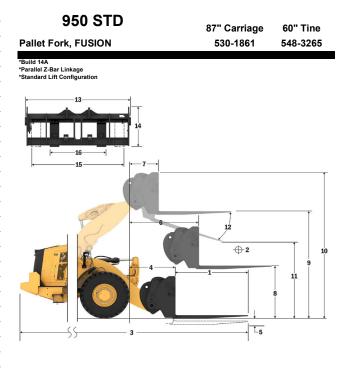
<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<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.

## **Fork Specifications**

#### **Fork Specifications**

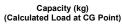
	ik Opecinications		
1	Tine Length	mm	1524 60.0
		in mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9625
	Static ripping Load - Straight (Forks Level)	lbs	21213
	Static Tipping Load - Articulated (Forks Level)	kg	8341
	Otatio Tipping Load - 7 titodiated (1 onto Level)	lbs	18383
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4170
	, , , , , , , , , , , , , , , , , , , ,	lbs	9191
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5004 11030
	· · · · · · · · · · · · · · · · · · ·	kg	6673
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14706
_		mm	8980
3	Maximum Overall Length	in	353.5
	Barak with Fadar at Consult and	mm	1258
4	Reach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-160
э	Ground to bottom of Time at William Height and Fork Level	in	-6.3
6	Reach with Arms Horizontal and Forks Level	mm	1752
	Neach With Arms Honzontal and Forks Level	in	69.0
7	Reach with Fork at Maximum Height	mm	1037
	Trought Mari on at maximum riolgit	in	40.8
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	3707
		in mm	145.9 4482
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	176.4
		mm	2327
11	Clearance at Full Lift and Max Dump	in	91.6
	M B: 1 A 1 C 11 : 11		
12	Max Discharge Angle from Horizontal	deg	47
12	Overall Carriage Width	mm	2217
-13	Overall Carriage Width	in	87.3
14	Overall Carriage Height	mm	840
	Overall Garriage Floight	in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in	81.5
16	Outside Tine Width (min spread)	mm	470
	<u> </u>	in mm	18.5 150.0
	Tine Width (single tine)	in	5.9
_		mm	65.0
	Tine Thickness	in	2.6
	Ti Oit	ka	6300
	Tine Capacity	lbs	13885
	Operating Weight	kg	18950
	Operating weight	lbs	41766

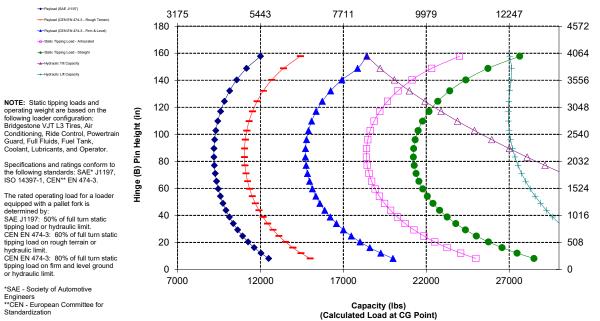


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Coolant, Lubricants, and Operator.





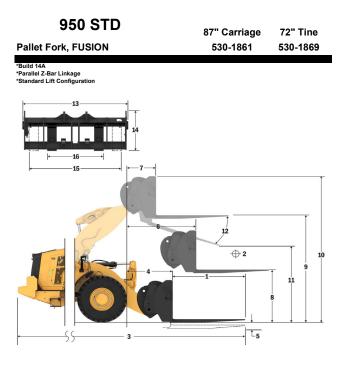


or hydraulic limit.

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

#### **Fork Specifications**

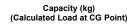
	ik Opcomoduons		
1	Tine Length	mm	1830 72.0
2	Load Center	in mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9158
	otatio ripping zoda otaligni (ronio zovor)	lbs	20184
	Static Tipping Load - Articulated (Forks Level)	kg	7930 17477
	· · · · · · · · · · · · · · · · · · ·	lbs 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
	Waxiinum Overali Lengui	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

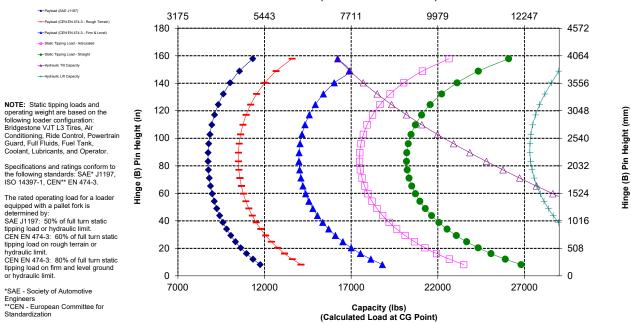


\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator





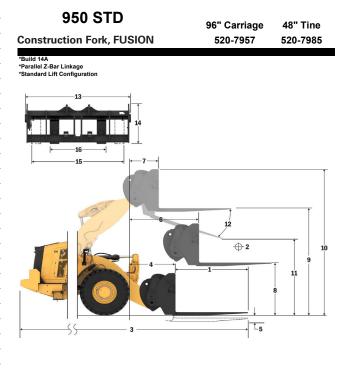


\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

### **Fork Specifications**

#### **Fork Specifications**

2	Tine Length  Load Center  Static Tipping Load - Straight (Forks Level)  Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)	mm in mm in kg lbs kg lbs	1219 48.0 610 24.0 9871 21756 8523 18784
2	Static Tipping Load - Straight (Forks Level) Static Tipping Load - Articulated (Forks Level)	mm in kg lbs kg lbs	610 24.0 9871 21756 8523
	Static Tipping Load - Straight (Forks Level) Static Tipping Load - Articulated (Forks Level)	in kg lbs kg lbs	24.0 9871 21756 8523
	Static Tipping Load - Articulated (Forks Level)	lbs kg lbs kg	9871 21756 8523
	Static Tipping Load - Articulated (Forks Level)	kg lbs kg	8523
_	, ,	lbs kg	
	, ,	kg	18784
	Rated Load (SAE J1197 - 50% FTSTL)		
	- Tallou 2000 (0/12 0/10/ 00/0/ 10/2)		4261
		lbs	9392
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5114
		lbs	11270
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6818
	<u> </u>	lbs mm	15027 8630
3	Maximum Overall Length	in	339.7
_		mm	1212
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
_	Beach with Asses Herinantal and Faster Lavel	mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.6
7	Reach with Fork at Maximum Height	mm	1029
′	Reach with Fork at Maximum Fielght	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_	Ordana to Top of Time Mary anno Frenzentar and Tom Zever	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
_	· ' '	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
		in	191.0 2516
11	Clearance at Full Lift and Max Dump		99.0
12	Max Discharge Angle from Horizontal	deg	53
	0 110 : 147:141	mm	2528
13	Overali Carriage Width	in	99.5
11	Overall Carriage Height	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (may spread)	mm	2178
	Outside Tille Width (max spread)		85.7
	Outside Tine Width (min spread)	mm	576
16		in	22.7
16			
16	Tine Width (single tine)	mm	
16	, ,	in	7.1
16	Tine Width (single tine) Tine Thickness	in mm	7.1 90.0
16	Tine Thickness	in mm in	7.1 90.0 3.5
16	, ,	in mm in kg	7.1 90.0 3.5 22200
16	Tine Thickness	in mm in	90.0
12 13 14 15	Clearance at Full Lift and Max Dump  Max Discharge Angle from Horizontal  Overall Carriage Width  Overall Carriage Height  Outside Tine Width (max spread)  Outside Tine Width (min spread)	r	mm in mm in mm in



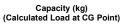
Hinge (B) Pin Height (mm)

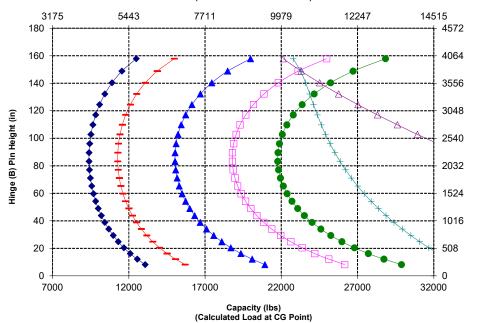
Payload (CEN EN 474-3 - Firm & Level

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, Coalant Livicants and Operator.

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

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







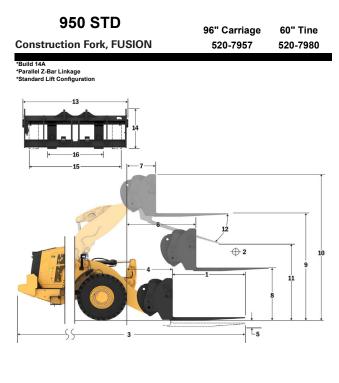
or hydraulic limit.

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

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

#### **Fork Specifications**

1	Tine Length	mm in	1524 60.0
•	Load Contar	mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9356
	otatio ripping 2000 otaligni (1 onto 2010)	lbs	20620
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8068 17782
		kg	4034
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8891
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4841
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	10669
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6454
	Traica Eda (OEIT EIT 174 OT IIII and Edvar Ground - 00701 101E)	lbs	14226
3	Maximum Overall Length	mm	8935
_		in	351.8
4	Reach with Forks at Ground Level	mm in	1213 47.7
		mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
_	B 1 31 A 11 : 11 15 1 1 1	mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
<u>'</u>	Reach with Fork at Maximum Height	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_		in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
	<u>-</u>	in mm	150.1 4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
		mm	2272
11	Clearance at Full Lift and Max Dump	in	89.5
12	Max Discharge Angle from Horizontal	doa	53
12	Max Discharge Angle Iron Horizontal	deg	
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
	O 1 : 1 T 14/: W1 / : 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
	1005 1005000555	in	3.5
	Tine Capacity	kq	17800
	· ,	lbs	39231
	Operating Weight	ka Ibs	19325 42593
_		IDS	42593



\*Negative values indicate below grade



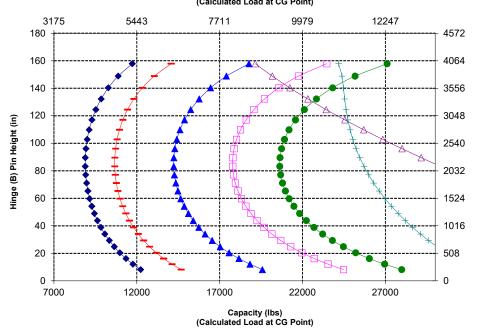


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator Coolant, Lubricants, and Operator

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



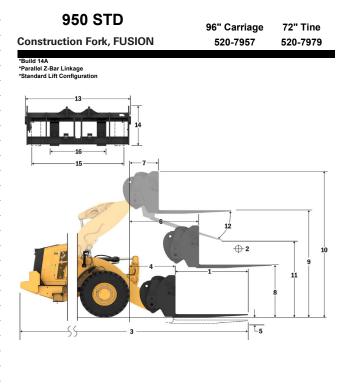


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

#### **Fork Specifications**

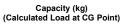
	nk opecinications		
1	Tine Length	mm in	1829 72.0
	1 1 0	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8883
	Otatic ripping Load - Otatignt (Forks Level)	lbs	19579
	Static Tipping Load - Articulated (Forks Level)	kg	7652
	(	lbs	16864
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3826 8432
		kg	4591
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10118
	D	kg	6121
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13491
3	Maximum Overall Length	mm	9240
	Maximum Overali Length	in	363.8
4	Reach with Forks at Ground Level	mm	1213
	Trouble Will Forto at Ground Edvor	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	<del></del>	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
_		mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Cround to Tan of Tine at Maximum Unight and Fark Lavel	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 Ent (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	2029
	Olouranoo at i an Ent ana max Bamp	in	79.9
12	Max Discharge Angle from Horizontal	deg	53
			2528
13	Overall Carriage Width	mm in	99.5
		mm	1130
14	Overall Carriage Height	in	44.5
	O 1 11 T 14/111/	mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
-10	Outside Title Width (Inith Spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	(	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka	14800
	·	lbs ka	32619 19386
	Operating Weight	lbs	42727
		เมช	44141

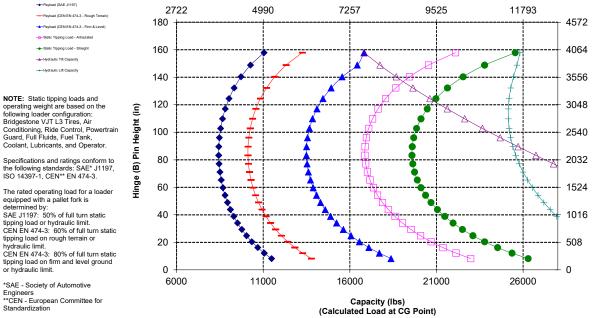


Hinge (B) Pin Height (mm)

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

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.







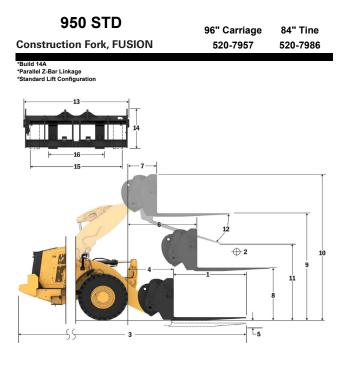
or hydraulic limit.

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

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

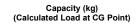
#### **Fork Specifications**

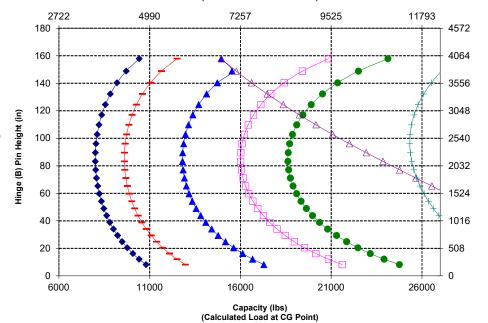
	ik opecinications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8443
	11 0 0 1 7	lbs ka	18609 7263
	Static Tipping Load - Articulated (Forks Level)	lbs	16008
	D + 11	kg	3631
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8004
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4358
	Trated Load (OLIV EIV 474-5 Trough Terrain - 00 % 1 TOTE)	lbs	9605
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5810
		lbs	12806
3	Maximum Overall Length	mm in	9545 375.8
	<del>-</del>	mm	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
О	Reach with Arms nonzontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	Treach with Fork at Maximum Fleight	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	3812 150.1
		in mm	4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
	0	mm	1786
11	Clearance at Full Lift and Max Dump	in	70.3
12	Max Discharge Angle from Horizontal	dog	53
12	Max Discharge Angle Irom Horizontal	deg	
13	Overall Carriage Width	mm	2528
		in	99.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2178
15	Outside Tine Width (max spread)	in	85.7
	O L I L MIN / I N	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
	1110 1110111000	in	3.5
	Tine Capacity	ka	12700
	· ·	lbs	27991
	Operating Weight	ka	19449 42866
	<u> </u>	lbs	42800



\*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

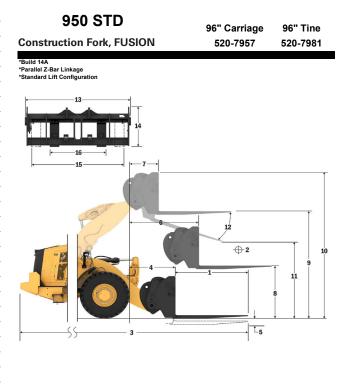


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

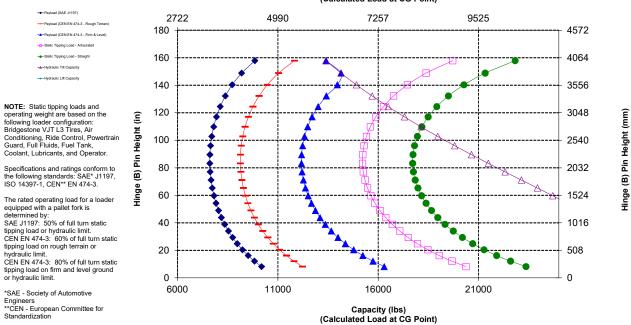
#### **Fork Specifications**

	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
		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
	Croana 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



Coolant, Lubricants, and Operator.

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





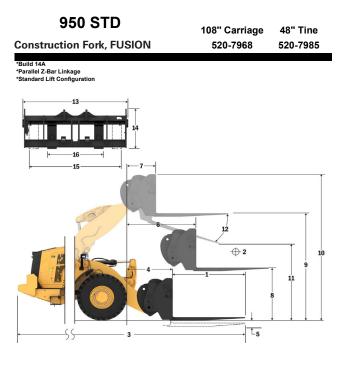
or hydraulic limit.

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

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

#### **Fork Specifications**

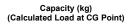
. •	nk opcomounding		
1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Load Certici	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	9831 21667
		kg	8482
	Static Tipping Load - Articulated (Forks Level)	lbs	18695
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4241
	Nated Load (SAE 31197 - 30 % F131L)	lbs	9347
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5089
	((	lbs	11217
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6786 14956
_		mm	8630
3	Maximum Overall Length	in	339.7
4	Reach with Forks at Ground Level	mm	1212
-	Reacti with Forks at Glound Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	<del></del>	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in mm	68.6 1029
7	Reach with Fork at Maximum Height	in	40.5
_	One and to Top of Tip a with Association and Found Found 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 Floight and Fork Ecver	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
		in	191.0 2516
11	Clearance at Full Lift and Max Dump	mm in	99.0
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2493
15	Outside Tine Width (max spread)	in	98.1
		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
	***************************************	in	3.5
	Tine Capacity	kg	22200
	<u> </u>	lbs ka	48929 19312
	Operating Weight	lbs	42564
		IDS	42304

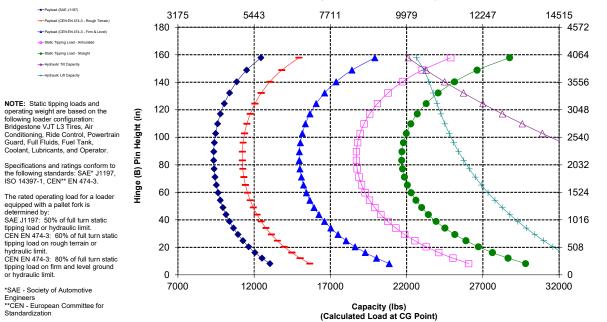


\*Negative values indicate below grade

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.







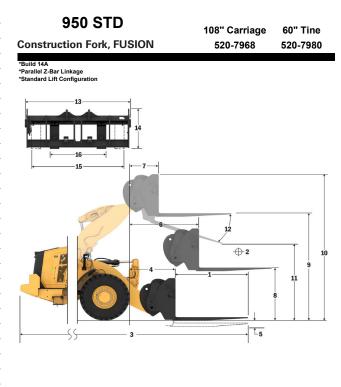
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

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

## **Fork Specifications**

#### **Fork Specifications**

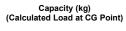
	nk opecinications		
1	Tine Length	mm	1524 60.0
		in mm	762
2	Load Center	in	30.0
	Otatia Timpia a Land Otaniak (Fodes Land)	kg	9321
	Static Tipping Load - Straight (Forks Level)	lbs	20543
	Static Tipping Load - Articulated (Forks Level)	kg	8033
	Static ripping Load - Articulated (Forks Level)	lbs	17705
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4017
	Traica Edad (G/IE 01101 - 00/01 101E)	lbs	8852
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4820
	Traited Edda (OETT ETT TO Trought Tottam CONT TOTE)	<u>lbs</u>	10623
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6426
		lbs	14164
3	Maximum Overall Length	mm	8935
	· •	in	351.8
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
	<u> </u>	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
		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	150.1
	<u> </u>	in mm	4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
		mm	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
		mm	1130
14	Overall Carriage Height	in	44.5
	0.111 = 140.017	mm	2483
15	Outside Tine Width (max spread)	in	97.8
40	Outside Time Wields (sein seems d)	mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine (Midth (single tine)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	17800
	ппе барабіў	lbs	39231
	Operating Weight	kg	19374
	Operating Weight	lbs	42701

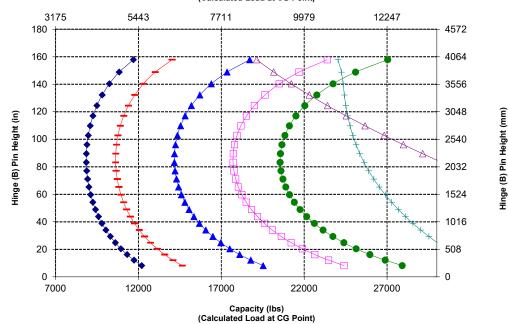


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

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.







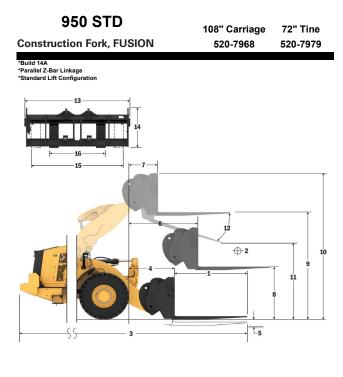
or hydraulic limit.

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

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

#### **Fork Specifications**

. •	nk opecifications		
1	Tine Length	mm in	1829 72.0
_	1 10 1	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8849
	Static Tipping Load - Straight (Forks Lever)	lbs	19502
	Static Tipping Load - Articulated (Forks Level)	kg	7617
	otatio ripping 25aa - / iiioalatoa (i onto 2575)	lbs	16788
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3808
	,	lbs	8394 4570
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	10073
		kg	6094
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13430
_		mm	9240
3	Maximum Overall Length	in	363.8
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 of Time at Minimum Fleight and Fork Eever	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
		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
	0	mm	4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
44	Oleanna at Full Life and Mary Down	mm	2029
11	Clearance at Full Lift and Max Dump	in	79.9
12	Max Discharge Angle from Horizontal	deg	53
12	Max Discharge Angle Iron Fronzontal		
13	Overall Carriage Width	mm	2833
	O Toran Carrago Trian	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
	T MCH ( 1 C )	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	14800
	тиго Оприону	lbs	32619
	Operating Weight	ka	19436
	- F	lbs	42838

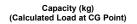


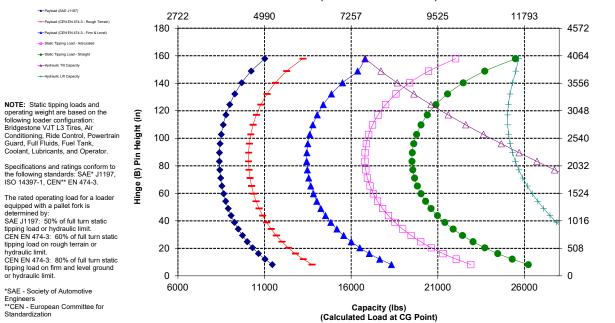
\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

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





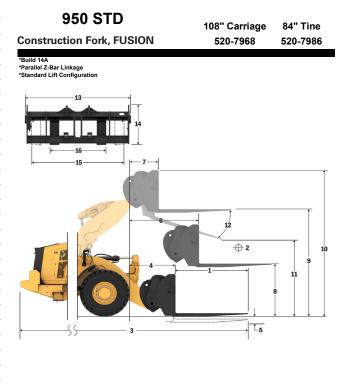


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

#### **Fork Specifications**

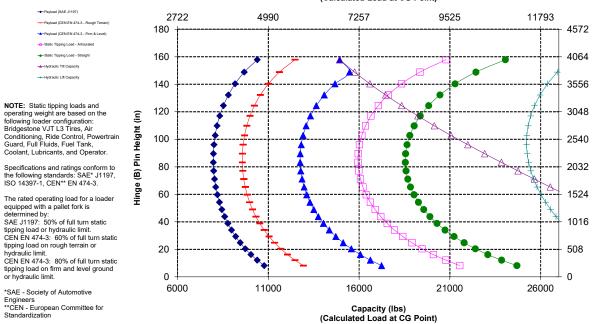
	nk opecinications		
1	Tine Length	mm	2134 84.0
		in mm	1067
2	Load Center	in	42.0
	O. C. T O	kg	8411
	Static Tipping Load - Straight (Forks Level)	lbs	18538
	Static Tinning Load Articulated (Forks Level)	kg	7231
	Static Tipping Load - Articulated (Forks Level)	lbs	15937
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3615
	Nated Load (SAE 31197 - 30 % F131L)	lbs	7968
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4338
	Trated Load (OLIV LIV 474-5 Rought Terrain - 00 70 T TOTE)	lbs	9562
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5785
	Trated Load (OLIV LIV 474-51 IIIII alid Level Glodiid - 00701 151L)	lbs	12749
3	Maximum Overall Length	mm	9545
	Waximam Overali Lengar	in	375.8
4	Reach with Forks at Ground Level	mm	1213
	Trought Will T onto at Ground Ecver	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	Ground to Bottom of Time at William Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
	Treasif Will 7 time Fronzental and Forke Eever	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	Trodon with Fork at Maximum Floight	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	Ordana to Top of Time Mary anio Florizonia ana Font Zovor	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
		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	1786
		in	70.3
12	Max Discharge Angle from Horizontal	deg	53
	3 0		0000
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5 2483
15	Outside Tine Width (max spread)	mm in	97.8
			590
16	Outside Tine Width (min spread)	mm in	23.2
		mm	180.0
	Tine Width (single tine)	in	7.1
			90.0
	Tine Thickness	mm	3.5
		in ka	12700
	Tine Capacity	lbs	27991
		ka	19498
	Operating Weight	lbs	42974
		เมธ	+2314



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.





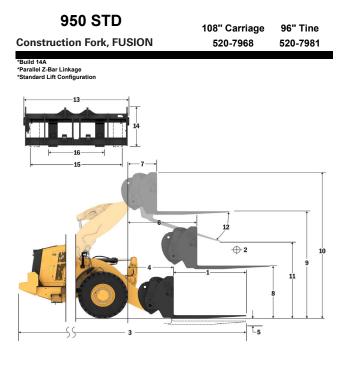


or hydraulic limit.

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

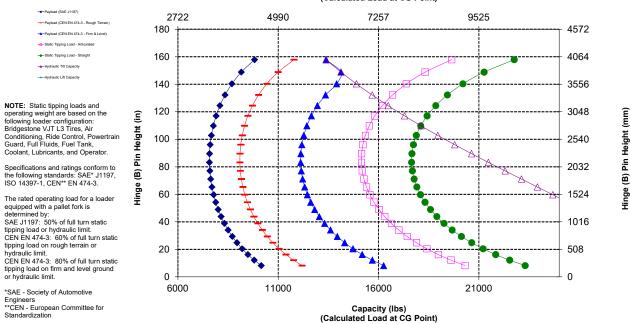
<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**



\*Negative values indicate below grade

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

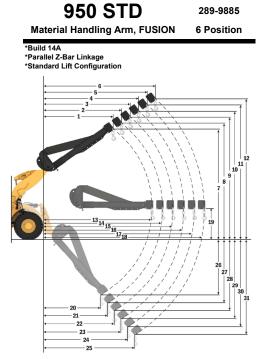




\*SAE - Society of Automotive

## **Material Handling Arm Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
	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
wax Litt - 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
Level - Hook Eyelet Reach (13, 14, 13, 16, 17, 16)	ft, in	15' 1"	16' 1"	17' 1"	18' 1"	19' 1"	20' 1"
Lavel Harle Evelet Height (40)	mm	1,842	1,842	1,842	1,842	1,842	1,842
Level - Hook Eyelet Height (19)		6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"
NE 1/2 11 1 5 1 1 5 1 1 60 01 00 00 01 05	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"
Min Life   Hands Fred At Hainba (OC 07 00 00 00 04)	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	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		11,425	10,801	10,240	9,733	9,272	8,851
Otin Weight	kg	18,708	18,708	18,708	18,708	18,708	18,708
Operating Weight		41,233	41,233	41,233	41,233	41,233	41,233





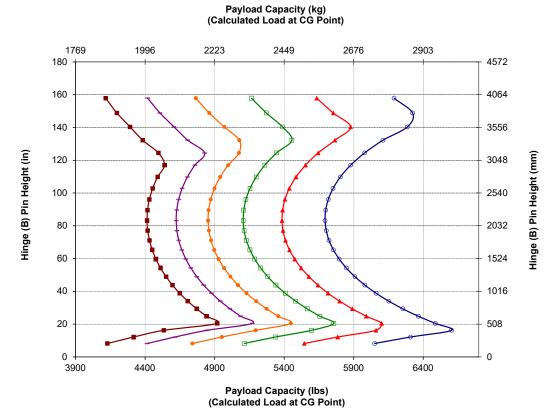
NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone VJT L3Tires, Air
Conditioning, Ride Control, Powertrain
Guard, Full Fluids, Fuel Tank, Coolant,
Lubricants, and Operator.

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:

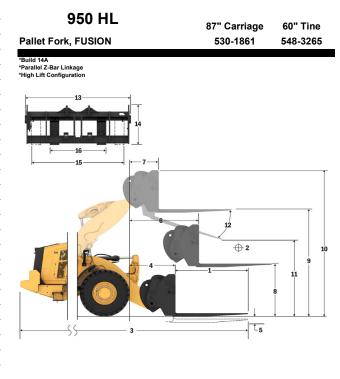
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

\*SAE - Society of Automotive Engineers

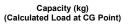


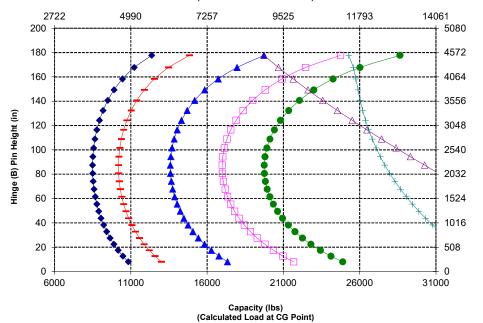
#### **Fork Specifications**

	ik opecinications		
1	Tine Length	mm	1524 60.0
	<u> </u>	in mm	762
2	Load Center	in	30.0
		kg	8954
	Static Tipping Load - Straight (Forks Level)	lbs	19734
	Chatic Timeir at and Anticulated (Forder Level)	kg	7704
	Static Tipping Load - Articulated (Forks Level)	lbs	16980
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3852
	Nated Load (SAE 31197 - 30 % F131L)	lbs	8490
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4623
	Nated Load (OLIV LIV 474-5 Nough Terrain - 00 /0 1 151L)	lbs	10188
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6163
	Traica Edad (OETT ETT 474 OT HITT and Edver Ground - 60% T TOTE)	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 in	1072 42.2
_		mm	1772
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	69.7
_		mm	4212
9	Ground to Top of Tine at Maximum Height and Fork Level	in	165.8
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4987
10	Overall height of Fork at Full Lift (top of carnage to ground)	in	196.3
44	Clearance at Full Lift and Max Dump	mm	2887
11	Clearance at Full Lift and Max Dump	in	113.6
12	Max Discharge Angle from Horizontal	deg	44
12	Max Discharge Angle Iron Honzontal	ueg	
13	Overall Carriage Width	mm	2217
	Ororan Garriago Triadi	in	87.3
14	Overall Carriage Height	mm	840
		in	33.1
15	Outside Tine Width (max spread)	mm	2070
	- ' ' '	in	81.5
16	Outside Tine Width (min spread)	mm	470
	<u> </u>	in mm	18.5 150.0
	Tine Width (single tine)	in	5.9
		mm	65.0
	Tine Thickness	in	2.6
		ka	6300
	Tine Capacity	lbs	13885
	0	ka	19611
	Operating Weight	lbs	43222
		103	7022



\*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 firm and level ground or hydraulic limit.

or hydraulic limit.

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

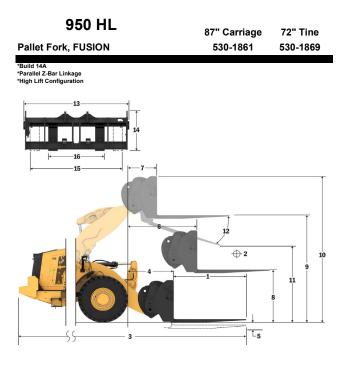


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

-	or	ĸ	Sp	ec	ITIC	cat	ıor	ıs

	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



Hinge (B) Pin Height (mm)

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

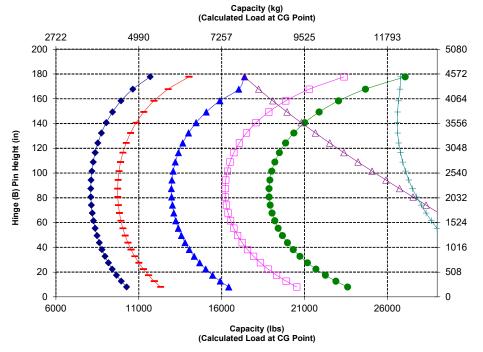


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator Coolant, Lubricants, and Operator

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.

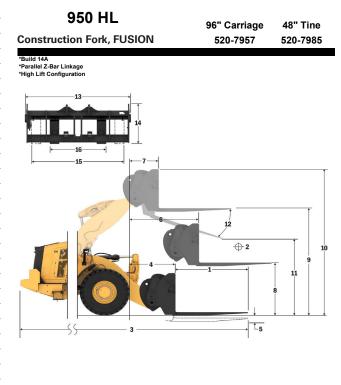
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for





#### **Fork Specifications**

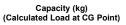
1	Tine Length	mm in	1219 48.0
	Load Center	mm	610
	Load Center	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	9112
		lbs kg	20083 7807
	Static Tipping Load - Articulated (Forks Level)	lbs	17206
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3903
	Traces 2500 (6712 5110) 5577 1512)	lbs	8603
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4684 10323
	D + 11	kg	6245
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13765
3	Maximum Overall Length	mm	9103
	mazaniani o voi an zongai	in	358.4
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
6	Reach with Arms Horizontal and Forks Level	mm	2119
	Neach with Arms Honzontal and Forks Level	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
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4318
	Ground to Top of Time at Maximum Height and Fork Level	in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5358
		in	210.9
11	Clearance at Full Lift and Max Dump	mm in	3060 120.5
-40	Man Diaghanna Angla franchis		
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2528
	g	in	99.5 1130
14	Overall Carriage Height	mm in	44.5
45	O. 4-i-l- Ti \Middle (	mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	···· ···/	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
	The Thisteres	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	22200
	Timo Oupdony	lbs	48929
	Operating Weight	ka Ibs	19920
	*Nogative velves indicate helevy grade	IDS	43903

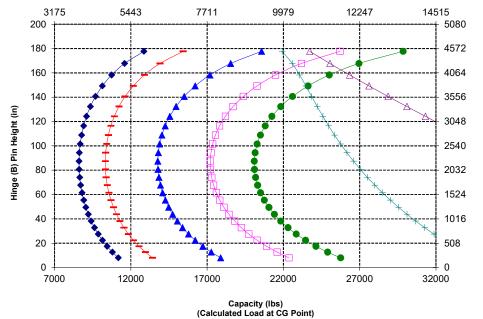


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

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

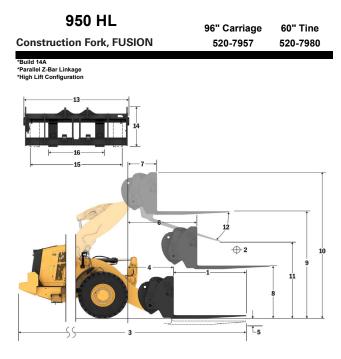
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

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

## **Fork Specifications**

Fork Specifications	;
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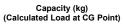
	opoomoutono		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Load Ceriter	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	8672
		lbs ka	19114 7420
	Static Tipping Load - Articulated (Forks Level)	lbs	16353
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3710
	Nated Load (SAE 31197 - 30 % F131L)	lbs	8177
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4452
	,	lbs ka	9812 5936
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13083
_	Manifestore Occasional to a sett	mm	9408
3	Maximum Overall Length	in	370.4
4	Reach with Forks at Ground Level	mm	1657
_	Troubil Will 1 Onto at Ground Ecver	in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
	<u> </u>	in mm	-3.3 2119
6	Reach with Arms Horizontal and Forks Level	in	83.4
_	Description of the French of Management Herbert	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
_	Ordana to Top or Timo man / timo riorizoniai ana riori zovor	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
11	Clearance at Full Lift and Max Dump	mm	2826
11	Clearance at Full Lift and Max Dump	in	111.3
12	Max Discharge Angle from Horizontal	deg	50
			2528
13	Overall Carriage Width	mm in	99.5
	0 10 : 11:11	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
	Outside Title Width (Max Spread)	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
		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 appary	lbs	39231
	Operating Weight	kq	19986
	· · ·	lbs	44049



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

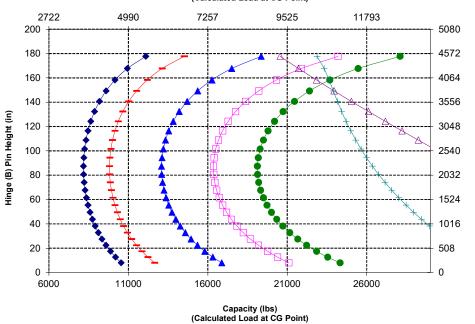
Payload (CEN EN 474-3 - Firm & Level





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.

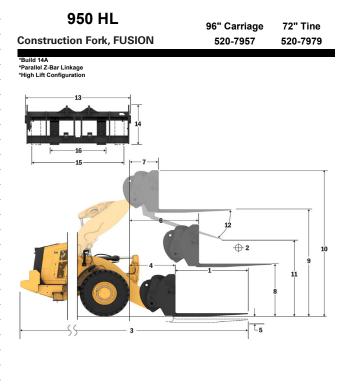
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for





#### **Fork Specifications**

	ik 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

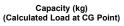


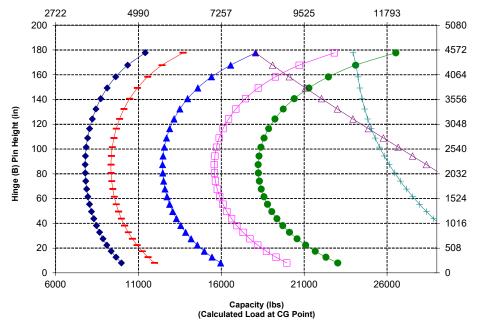
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

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

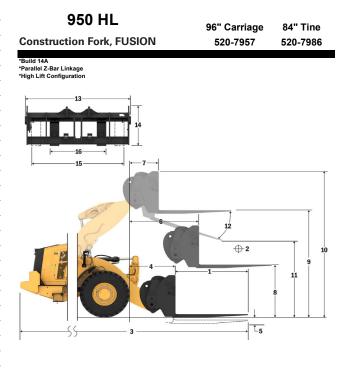
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

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

## **Fork Specifications**

#### **Fork Specifications**

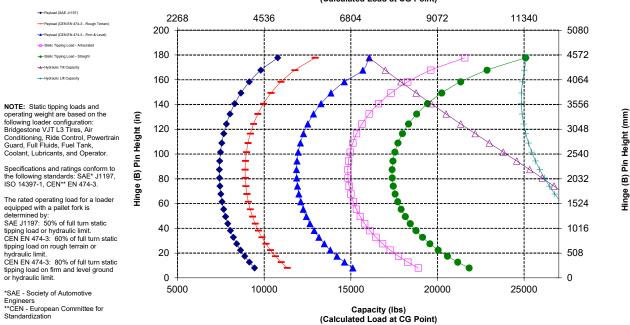
	nk opecinications		
1	Tine Length	mm	2134 84.0
		in mm	1067
2	Load Center	in	42.0
	O T	kg	7884
	Static Tipping Load - Straight (Forks Level)	lbs	17376
	Ct-ti- Timein at Lord Additional (Forder Lord)	kg	6726
	Static Tipping Load - Articulated (Forks Level)	lbs	14825
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3363
	Nated Load (SAE 31197 - 30 % F131L)	lbs	7413
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4036
	Traica Eda (OEIT EIT TIT O Trough Terrain - 0070 T TOTE)	lbs	8895
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5381
	Trained Edita (OEIT ETT II TOTIIII and Editor Ground Good Total)	lbs	11860
3	Maximum Overall Length	mm	10018
		in	394.4
4	Reach with Forks at Ground Level	ḿш	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 41.9
	<u> </u>	in mm	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
	0 1111111111111111111111111111111111111	mm	5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
-44	Ol	mm	2358
11	Clearance at Full Lift and Max Dump	in	92.8
42	May Discharge Angle from Herizontel	400	EO
12	Max Discharge Angle from Horizontal	deg	50
12	Overall Carriage Width	mm	2528
-13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	Overall Garriage Fleight	in	44.5
15	Outside Tine Width (max spread)	mm	2178
	Catalac Tino Triati (max oproda)	in	85.7
16	Outside Tine Width (min spread)	ḿш	576
	- ( 1 /	in	22.7
	Tine Width (single tine)	mm	180.0
	· · · ·	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka Ibs	12700 27991
		ka	20110
	Operating Weight	lbs	44322
		IDS	44322



Coolant, Lubricants, and Operator.

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

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





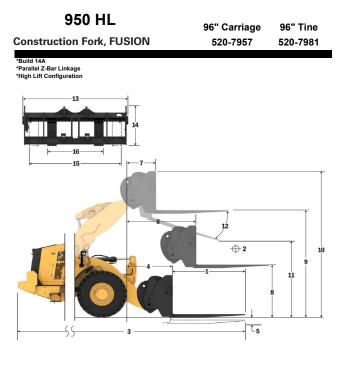
or hydraulic limit.

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

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

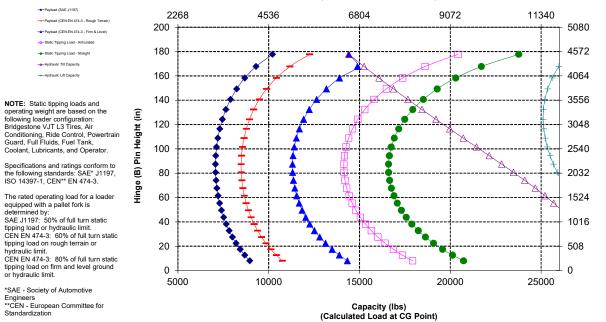
#### **Fork Specifications**

	ik Specifications		
1	Tine Length	mm in	2438 96.0
_	Land Carter	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	7528
	otatio ripping coad - otraight (1 onto cover)	lbs	16592
	Static Tipping Load - Articulated (Forks Level)	kg	6412
		lbs	14133
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3206
		lbs	7067
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3847
	<u> </u>	lbs	8480 5130
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	11306
		mm	10322
3	Maximum Overall Length	in	406.4
		mm	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
		mm	2119
6	Reach with Arms Horizontal and Forks Level	in	83.4
_		mm	1064
7	Reach with Fork at Maximum Height	in	41.9
_		mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
_	Oncome data Torre of Time and Manifestory Height and Foods Laved	mm	4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
40	Overall Height of Fork at Full Lift (top of carriage to ground)	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
11	Clearance at Full Lift and Max Dump	in	83.7
42	Max Discharge Angle from Horizontal	deg	50
12	Max Discharge Angle Iron Honzontal	ueg	30
12	Overall Carriage Width	mm	2528
13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	Overall Garriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
	Outoldo Tillo Tridar (max oproda)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Catalac IIIIo IVIaan (IIIIII oproac)	in	22.7
	Tine Width (single tine)	mm	180.0
	···- ··· (-···g·- ···-/	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka	11300
	- 1 /	lbs	24905
	Operating Weight	ka	20172
		lbs	44459



\*Negative values indicate below grade

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



\*SAE - Society of Automotive

Engineers
\*\*CEN - European Committee for

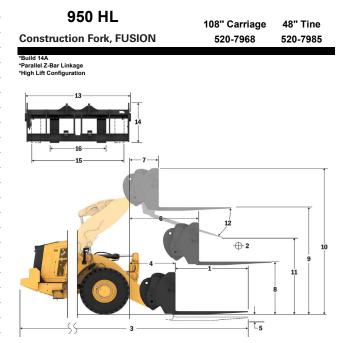


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

### **Fork Specifications**

#### **Fork Specifications**

	ik opecinications		
1	Tine Length	mm	1219 48.0
_		in mm	610
2	Load Center	in	24.0
	Chatia Timpia at and Charinha (Forder Lavel)	kg	9070
	Static Tipping Load - Straight (Forks Level)	lbs	19991
	Static Tipping Load - Articulated (Forks Level)	kg	7765
	Static ripping Load - Articulated (Forks Level)	lbs	17114
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3882
	Traica Edad (G/IE 01101 - 00/01 101E)	lbs	8557
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4659
	Tracou Louis (OLIVEIT II TO Trough Tomain Octob Total)	lbs	10268
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6212
		lbs	13691
3	Maximum Overall Length	mm	9103
	· •	in	358.4
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 41.9
	<u> </u>	in mm	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
	01	mm	3060
11	Clearance at Full Lift and Max Dump	in	120.5
	M 8: 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	2493
13	Odiside Title Widit (max spread)	in	98.1
16	Outside Tine Width (min spread)	mm	590
	Odiside Tille Width (Illin Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Timo Tridar (onigio ano)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	22200
	· 1 · 7	lbs	48929
	Operating Weight	ka	19973
		lbs	44020

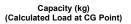


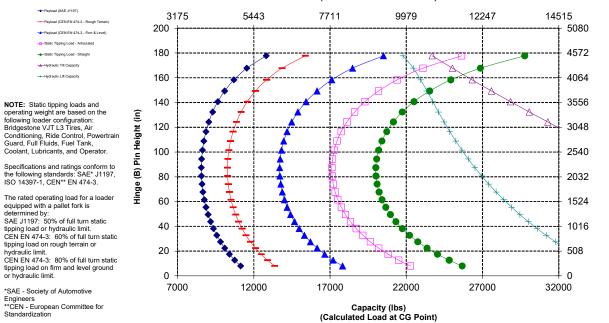
Hinge (B) Pin Height (mm)

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.







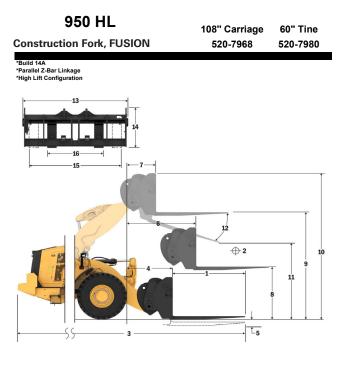
or hydraulic limit.

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

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

#### **Fork Specifications**

Tine Length Load Center	mm in mm in	1524 60.0 762 30.0
	mm	762
	in	30.0
Static Tipping Load - Straight (Forks Level)	kg	8636
Statio Tipping Edat - Ottaignt (Forto Edver)	lbs	19033
Static Tipping Load - Articulated (Forks Level)	kg	7383
(		16273
Rated Load (SAE J1197 - 50% FTSTL)		3692
,		8137 4430
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)		9764
		5907
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		13018
		9408
Maximum Overall Length		370.4
		1657
Reach with Forks at Ground Level		65.2
		-83
Ground to Bottom of Tine at Minimum Height and Fork Level		-3.3
Describing Association and Control and		2119
Reach with Arms Horizontal and Forks Level		83.4
Deach with Fark at Maximum Height	mm	1064
Reach with Fork at Maximum Height	in	41.9
Cround to Ton of Tino with Arms Horizontal and Early Laval	mm	1877
Stourid to Top of Title with Afrits Florizontal and Fork Level	in	73.9
Ground to Top of Tine at Maximum Height and Fork Level	mm	4318
Stourid to Top of Time at Maximum Fleight and Fork Level	in	170.0
Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5358
Storam riolgin of Format Fam Em (top of samage to ground)	in	210.9
Clearance at Full Lift and Max Dump		2826
Stodianos at rail Entana max Samp	in	111.3
Max Discharge Angle from Horizontal	dea	50
Overall Carriage Width		2833
· · · · ·		111.5
Overall Carriage Height		1130 44.5
		2483
Outside Tine Width (max spread)		97.8
		590
Outside Tine Width (min spread)		23.2
		180.0
line vviatn (single tine)	in	7.1
The This has a second		90.0
Tine Thickness	in	3.5
Fig. 0-1-14:	ka	17800
Tine Capacity	ka Ibs	17800 39231
Tine Capacity  Operating Weight		39231 20035
	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 Arms Horizontal and Forks Level Reach with Fork at Maximum Height Ground to Top of Tine with Arms Horizontal and Fork Level Ground to Top of Tine at Maximum Height and Fork Level Diverall Height of Fork at Full Lift (top of carriage to ground) Clearance at Full Lift and Max Dump Max Discharge Angle from Horizontal Diverall Carriage Width	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)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Reach with Forks at Ground Level  Ground to Bottom of Tine at Minimum Height and Fork Level  Ground to Bottom of Tine at Minimum Height and Fork Level  In Ground to Top of Tine with Arms Horizontal and Fork Level  In Ground to Top of Tine at Maximum Height and Fork Level  In Ground to Top of Tine



\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

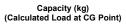
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

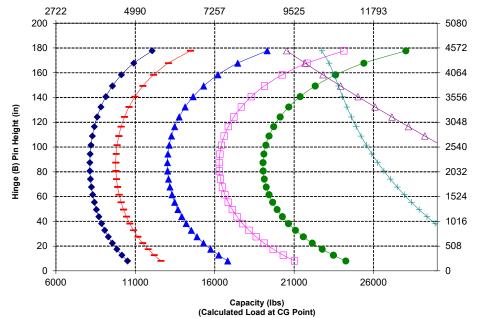
Coolant, Lubricants, and Operator

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





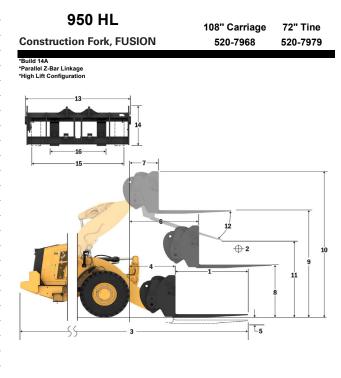


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

#### **Fork Specifications**

	ik opecinications		
1	Tine Length	mm	1829 72.0
		in mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8230
	Static ripping Load - Straight (Forks Level)	lbs	18139
	Static Tipping Load - Articulated (Forks Level)	kg	7027
	otatic ripping Load - Articulated (Forks Level)	lbs	15487
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3513
	114104 2044 (0712 01701 00701 1012)	lbs	7743
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4216
	······································	lbs	9292
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5621
		lbs	12389
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
	<u> </u>	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	4318
		in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5358
		mm	210.9 2592
11	Clearance at Full Lift and Max Dump	in	102.1
_			
12	Max Discharge Angle from Horizontal	deg	50
		mm	2833
13	Overall Carriage Width	in	111.5
		mm	1130
14	Overall Carriage Height	in	44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
	- · · · - · · · · · · · · · · · · · · ·	mm	590
16	Outside Tine Width (min spread)	in	23.2
	T APPRIL / 1 1 2 3	mm	180.0
	Tine Width (single tine)	in	7.1
	Tion Third was	mm	90.0
	Tine Thickness	in	3.5
	Tine Conseits	ka	14800
	Tine Capacity	lbs	32619
	Operating Weight	ka	20097
	Operating Weight	lbs	44293
			00

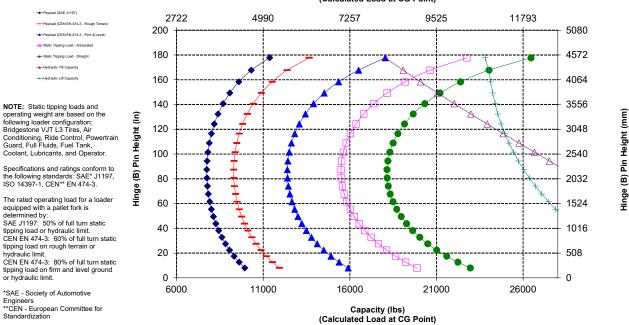


Coolant, Lubricants, and Operator.

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)





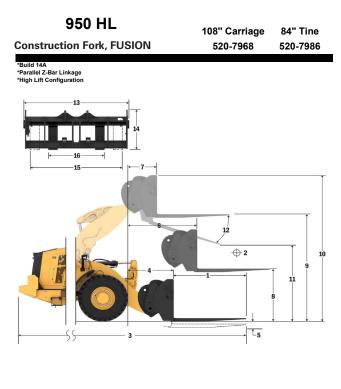
or hydraulic limit.

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

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

#### **Fork Specifications**

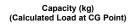
	nk opecinications		
1	Tine Length	mm	2134 84.0
2	Load Center	in mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	7850
	otatio ripping 2000 ottaignt (1 onto 2010)	lbs	17302
	Static Tipping Load - Articulated (Forks Level)	kg	6693 14751
	· · · · · · · · · · · · · · · · · · ·	lbs kg	3346
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7375
		ka	4016
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	8850
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5354
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	11801
3	Maximum Overall Length	mm	10018
ŭ	Muximum Overali Edilgan	in	394.4
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 in	2119 83.4
		mm	1064
7	Reach with Fork at Maximum Height	in	41.9
_	0 11 7 77 71 4 11 1 15 11 1	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	4318
9	Ground to Top of Time at Maximum Height and Fork Level	in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5358
		in	210.9
11	Clearance at Full Lift and Max Dump	шm	2358
	· '	in	92.8
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2833
	Overall Guillage vilati	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5 2483
15	Outside Tine Width (max spread)	mm in	97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	THE WIGH (SHIGHE HIE)	in	7.1
	Tine Thickness	mm	90.0
	1110 1110111000	in	3.5
	Tine Capacity	kg	12700
	- 1 /	lbs	27991
	Operating Weight	kq	20159
	· · ·	lbs	44430

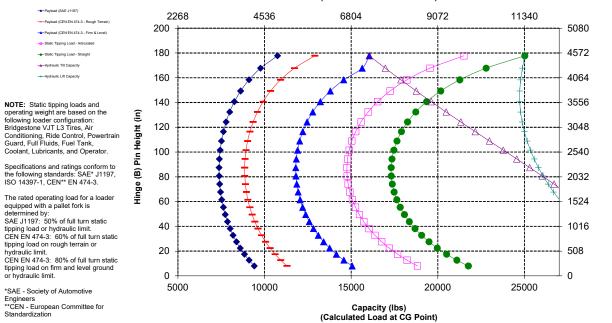


\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator







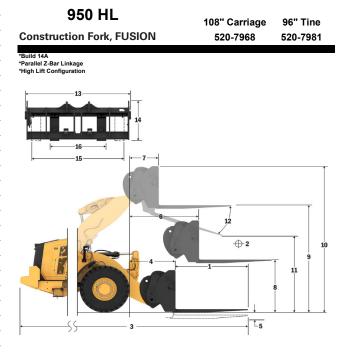
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

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

### **Fork Specifications**

#### **Fork Specifications**

	ik Opecinications		
1	Tine Length	mm in	2438 96.0
_		mm	1219
2	Load Center	in	48.0
	Ct-ti- Tii I d Ctit- (Fd I)	kg	7495
	Static Tipping Load - Straight (Forks Level)	lbs	16518
	Static Tipping Load - Articulated (Forks Level)	kg	6379
	Static ripping Load - Articulated (Forks Level)	lbs	14059
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3190
	Nated Load (OAL 31191 - 30701 101L)	lbs	7030
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3827
	Traiba 25aa (6211 211 11 1 6 1 6 agri 1 6 1 arr	lbs	8436
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5103
		lbs	11248
3	Maximum Overall Length	ḿш	10322
		in	406.4
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
	<u> </u>	in	-3.3 2119
6	Reach with Arms Horizontal and Forks Level	mm in	
		mm	83.4 1064
7	Reach with Fork at Maximum Height	in	41.9
_		mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Oncome data Torre of Time and Manifestory United and Foods Level	mm	4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5358
10	Overall Height of Fork at Full Lift (top of carnage to ground)	in	210.9
11	Clearance at Full Lift and Max Dump	mm	2125
•••	Olearance at 1 ull List and Max Dump	in	83.7
12	Max Discharge Angle from Horizontal	deg	50
	max biodiai go / ti gio nom moneomai		
13	Overall Carriage Width	mm	2833
_	· · · •	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5 2483
15	Outside Tine Width (max spread)	mm in	97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
		mm	180.0
	Tine Width (single tine)	in	7.1
	The Thirty and	mm	90.0
	Tine Thickness	in	3.5
	Tine Conseits	ka	11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	20222
	Operating weight	lbs	44569



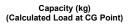
Hinge (B) Pin Height (mm)

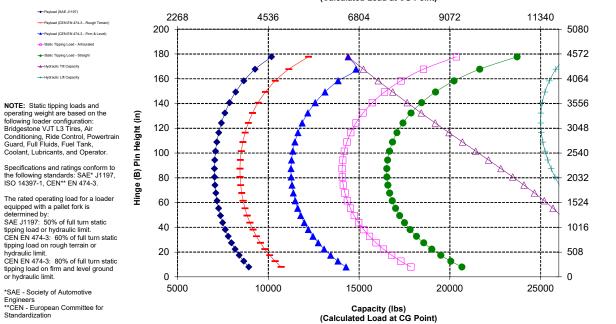
\*Negative values indicate below grade

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

Coolant, Lubricants, and Operator.

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







or hydraulic limit.

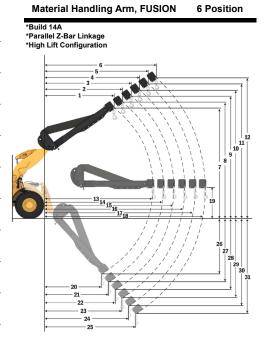
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

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## **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"
M 17 11 15 1 11 17 2 2 2 42 44 42	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"
	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"
	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"
M. 1.7. 11 1 5 1 1 5 1 1 60 01 00 00 01 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"
M. 1.76 11 1 5 1 111 1 11/02 07 02 02 02 04	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"
	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
	kg	4,993	4,737	4,505	4,294	4,102	3,925
Static Tipping Load, Articulated		11,006	10,441	9,930	9,465	9,040	8,650
Oti W-i-bt	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, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14297.1

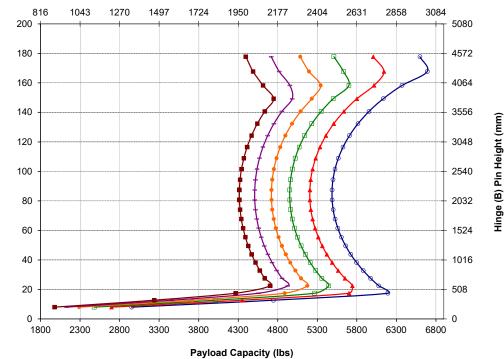
Hinge (B) Pin Height (in)

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)

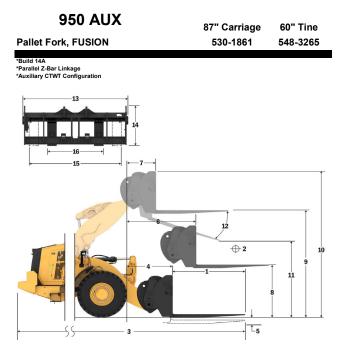


(Calculated Load at CG Point)

### **Fork Specifications**

#### **Fork Specifications**

	in opecinications		
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
	Class Tipping 2000 Chaight (1 onto 2010)	lbs	22556
	Static Tipping Load - Articulated (Forks Level)	kg	8847
	· · · · · · · · · · · · · · · · · · ·	lbs kg	19498 4423
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9749
	D + 11	ka	5308
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11699
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7077
	Nated Load (CEN EN 474-3 Film and Level Glound - 80 % F131L)	lbs	15598
3	Maximum Overall Length	mm	9009
	maximum oronai zongan	in	354.7
4	Reach with Forks at Ground Level	mm	1258
		in	49.5 -160
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-6.3
		mm	1752
6	Reach with Arms Horizontal and Forks Level	in	69.0
-	Described for the American Height	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
	Ground to Top of Time with Arms Honzontal and Fork Level	in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3707
	- 1	in	145.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4482 176.4
		mm	2327
11	Clearance at Full Lift and Max Dump	in	91.6
	M 8: 1 A 1 C 11 : 11		
12	Max Discharge Angle from Horizontal	deg	47
12	Overall Carriage Width	mm	2217
13	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
	Title Width (Single title)	in	5.9
	Tine Thickness	mm	65.0
	THE THORICO	in	2.6
	Tine Capacity	kq	6300
	* 1 - 7	lbs	13885
	Operating Weight	kq	19360
	<u> </u>	lbs	42670

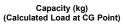


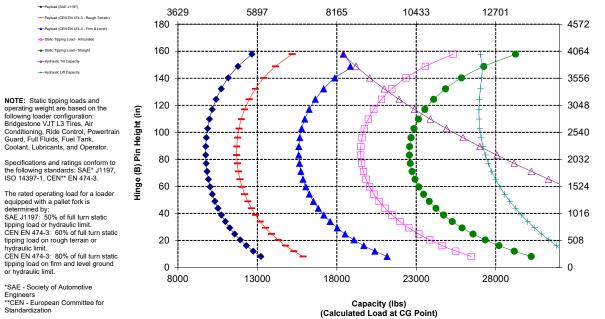
Hinge (B) Pin Height (mm)

\*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

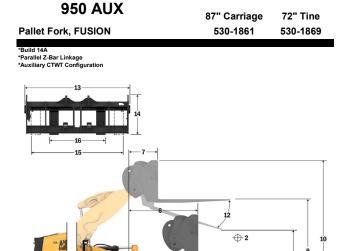
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Hinge (B) Pin Height (mm)

### **Fork Specifications**

#### **Fork Specifications**

	opoomoutono		
1	Tine Length	mm in	1830 72.0
_		mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9741
	Static Tipping Load - Straight (1 Str. Level)	lbs	21470
	Static Tipping Load - Articulated (Forks Level)	kg	8414
	11 5	lbs	18545
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4207 9273
		kg	5049
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11127
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6732
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	14836
3	Maximum Overall Length	mm	9315
_	Muximum Overum Lengur	in	366.7
4	Reach with Forks at Ground Level	mm	1258
	<u> </u>	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-160 -6.3
_		mm	1752
6	Reach with Arms Horizontal and Forks Level	in	69.0
7	Reach with Fork at Maximum Height	mm	1037
′	Reach with Fork at Maximum Height	in	40.8
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	3707
	<u>-</u>	in mm	145.9 4482
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	176.4
	0	mm	2105
11	Clearance at Full Lift and Max Dump	in	82.9
12	Max Discharge Angle from Horizontal	deg	47
12	Max Discharge Angle Iron Horizontal		
13	Overall Carriage Width	mm	2217
	g	in	87.3
14	Overall Carriage Height	mm in	840 33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
40	Outside Time Middle (sein enne d)	mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	Tille Width (Single tille)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kq	5246
		lbs ka	11562 19407
	Operating Weight	lbs	42774
		IDS	42111



\*Negative values indicate below grade

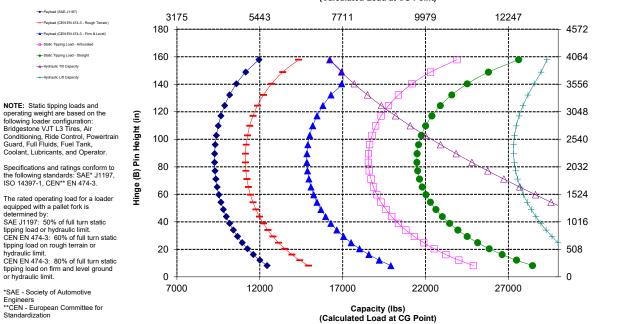
Payload (CEN EN 474-3 - Firm & Level

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

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on fund ferrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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

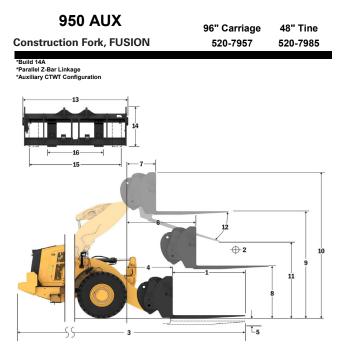
## Capacity (kg) (Calculated Load at CG Point)



### **Fork Specifications**

#### **Fork Specifications**

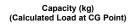
	in opecinications		
1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Load Center	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	10510 23164
		kg	9053
	Static Tipping Load - Articulated (Forks Level)	lbs	19953
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4526
	Nated Load (SAE 31197 - 30 % F131L)	lbs	9976
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5432
	, , ,	lbs	11972 7242
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	15962
_	W : 0	mm	8659
3	Maximum Overall Length	in	340.9
4	Reach with Forks at Ground Level	mm	1212
_	Troubly Will' Forto at Ground Ecver	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	·	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm in	1744 68.6
_		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
		in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4853 191.0
	0	mm	2516
11	Clearance at Full Lift and Max Dump	in	99.0
12	Max Discharge Angle from Horizontal	deg	53
12	Wax Discharge Angle Iron Florizontal		
13	Overall Carriage Width	mm	2528
		in mm	99.5 1130
14	Overall Carriage Height	in	44.5
4-	O. 4-id- Tim- \M(:d4b (d))	mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Catolae Tille Triadi (Illiii oproda)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
		mm	90.0
	Tine Thickness	in	3.5
	Tine Conseits	ka	22200
	Tine Capacity	lbs	48929
	Operating Weight	kg	19669
	Operating Proignt	lbs	43351

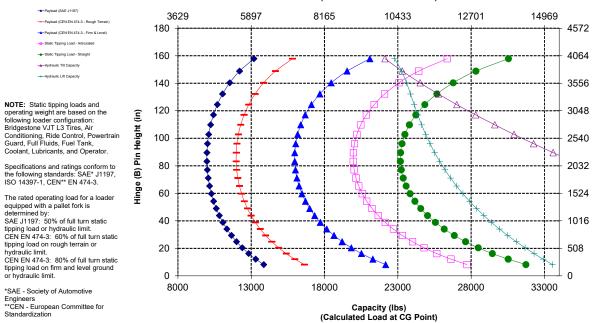


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level







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

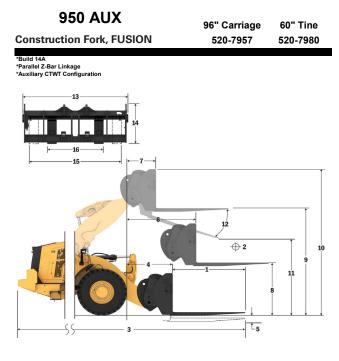
Coolant, Lubricants, and Operator



## **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm	1524 60.0
_	Land Contra	in mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9966
	Static ripping Load - Straight (Forks Level)	lbs	21966
	Static Tipping Load - Articulated (Forks Level)	kg	8575
	Otatio ripping Load - Attioulated (Folks Level)	lbs	18899
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4287
	114104 2044 (0712 01101 00701 1012)	lbs	9450
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5145
	······································	lbs	11340
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6860
		lbs	15119
3	Maximum Overall Length	mm	8964
		in	352.9
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
	<u> </u>	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	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	·	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
		in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4853
		mm	191.0 2272
11	Clearance at Full Lift and Max Dump	in	89.5
12	Max Discharge Angle from Horizontal	deg	53
40	0II 0i Width	mm	2528
13	Overall Carriage Width	in	99.5
44	Overall Corriege Height	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
13	Outside Title Width (Max Spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Oddside Tille Width (Illin Spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	Tille Width (olligie tille)	in	7.1
	Tine Thickness	mm	90.0
	THE THORNESS	in	3.5
	Tine Capacity	kg	17800
	Time dupusity	lbs	39231
	Operating Weight	kg	19735
	Operating Weight	lbs	43497



\*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

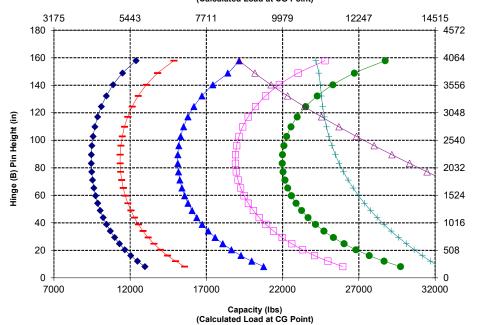
Coolant, Lubricants, and Operator.

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.

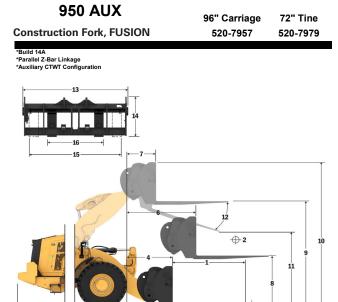
Hinge (B) Pin Height (mm)

# **950 Wheel Loader Specifications**

## **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
_	Land Cambra	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9468
	State ripping 25aa Statgrit (1 5116 25151)	lbs	20867
	Static Tipping Load - Articulated (Forks Level)	kg	8137 17934
		lbs kg	4068
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8967
	D + 11	kg	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
	Rated Load (CEN EN 474-3 Film and Level Glound - 80 % F131L)	lbs	14347
3	Maximum Overall Length	mm	9269
_	maximum ovoraii zongar	in	364.9
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	-3.1
_		mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
-	Describends Foods of Mandanana Hadada	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 7 time Tronzontal and Tork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
_		in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4853
		mm	191.0 2029
11	Clearance at Full Lift and Max Dump	in	79.9
40	Mars Biach anns Annla franz Harimantal		
12	Max Discharge Angle from Horizontal	deg	53
12	Overall Carriage Width	mm	2528
	Overdii Odinage viidai	in	99.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2178
15	Outside Tine Width (max spread)	in	85.7
		mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine (Midth (single tine)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THERESE	in	3.5
	Tine Capacity	kq	14800
	- 1 - 7	lbs	32619
	Operating Weight	kq	19796
		lbs	43631



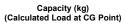
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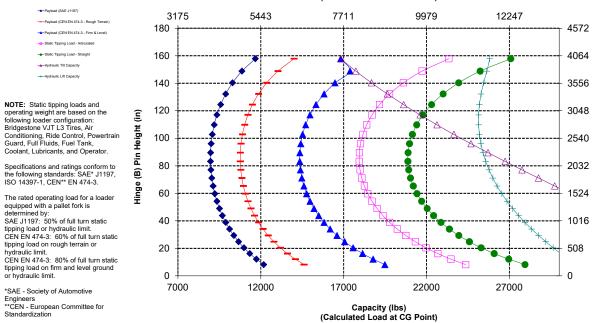
Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

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







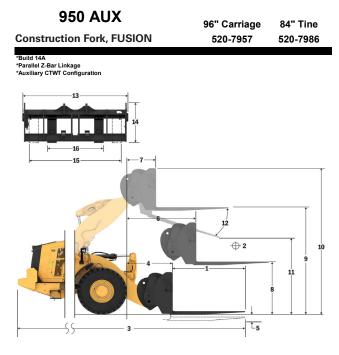
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

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

## **Fork Specifications**

#### **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	9004
	11 0 0 1	lbs ka	19845 7729
	Static Tipping Load - Articulated (Forks Level)	lbs	17034
	D-1-111(0AF 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
	rtaica Edad (OEIV EIV 474-0 rtough renam - 0070 r 1012)	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
_	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 Theight 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 in	1029 40.5
_		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
	Ground 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
_	- 0 (1 0 0 /	in	191.0
11	Clearance at Full Lift and Max Dump	mm	1786 70.3
	·	in	
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2528
	Overall Carriage vitali	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 Time Middle (seeing seeds)	mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	Time Width (Single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka Ibs	12700 27991
_		ka	19859
	Operating Weight	lbs	43770
		100	.5110



\*Negative values indicate below grade

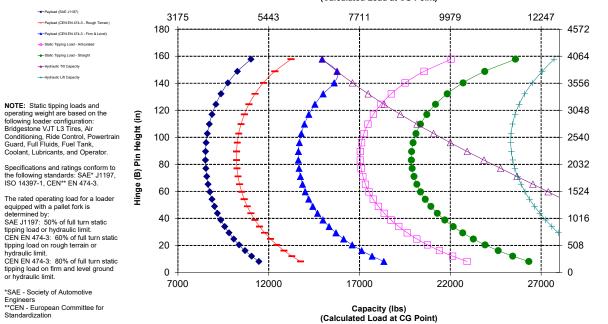
Payload (CEN EN 474-3 - Firm & Level

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.

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





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

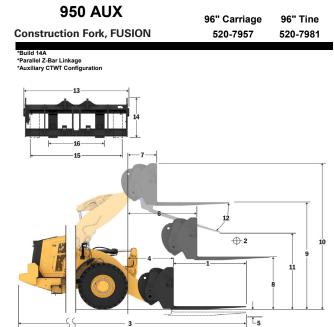
Hinge (B) Pin Height (mm)

# **950 Wheel Loader Specifications**

## **Fork Specifications**

#### **Fork Specifications**

	ik Opcomodulono		
1	Tine Length	mm	2438 96.0
2	Load Center	in mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8575
	otatio ripping coda otraigit (i orito covor)	lbs	18899
	Static Tipping Load - Articulated (Forks Level)	kg	7351
	· · · · · · · · · · · · · · · · · · ·	lbs kg	16201 3675
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8100
		ka	4410
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9720
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5880
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	12960
3	Maximum Overall Length	mm	9878
	Maximum Overali 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	-3.1
6	Reach with Arms Horizontal and Forks Level	mm in	1744 68.7
		mm	1029
7	Reach with Fork at Maximum Height	in	40.5
_	0 11 7 77 71 11 11 15 11 1	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 Title at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
	Overall Height of Fernal at Fall (top of samage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	1544
		in	60.8
12	Max Discharge Angle from Horizontal	deg	53
		mm	2528
13	Overall Carriage Width	in	99.5
	0 110 1 11111	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
13	Outside Title Width (Max Spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Outside Tille Width (Hill Spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka Ibs	11300 24905
_	* " " " " " " " " " " " " " " " " " " "	ka	19921
	Operating Weight	lbs	43907
		ina	+0001

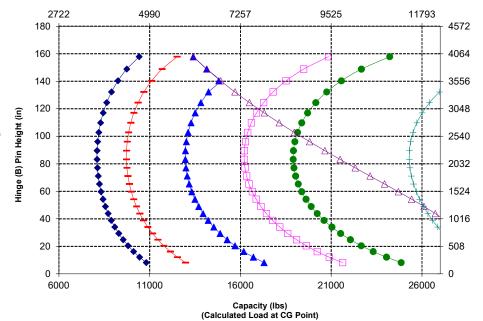


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

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



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

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

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

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

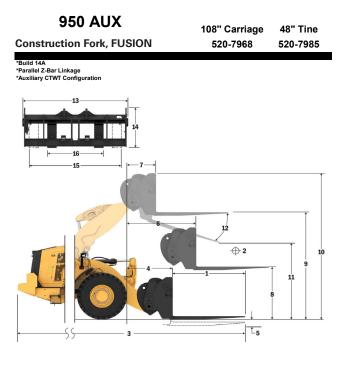


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

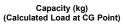
#### **Fork Specifications**

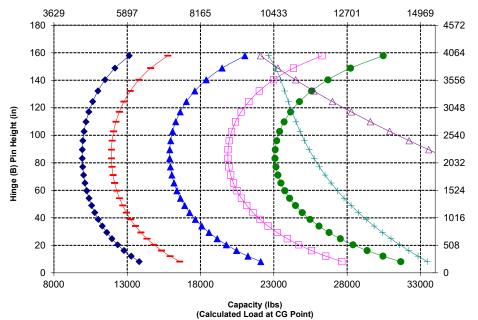
	ik opecifications		
1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
_	Load Center	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	10470 23075
		kg	9012
	Static Tipping Load - Articulated (Forks Level)	lbs	19863
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4506
	Nated Load (OAL 31137 - 30 // 1 101L)	lbs	9932
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5407
	· · · · · · · · · · · · · · · · · · ·	lbs	11918 7210
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	15891
_	M : 0 III II	mm	8659
3	Maximum Overall Length	in	340.9
4	Reach with Forks at Ground Level	mm	1212
_	Treach with Forks at Glound Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
		in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm in	1744 68.6
_		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
		in mm	150.1 4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
	01	mm	2516
11	Clearance at Full Lift and Max Dump	in	99.0
12	Max Discharge Angle from Horizontal	deg	53
	Max Disorarge 7 angle from Fronzontal		
13	Overall Carriage Width	mm	2833 111.5
		in mm	111.5
14	Overall Carriage Height	in	44.5
45	Outside Time (Midth (see and d)	mm	2493
15	Outside Tine Width (max spread)	in	98.1
16	Outside Tine Width (min spread)	mm	590
	Outside Tille Triadi (Illiii oprodu)	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
_		mm	90.0
	Tine Thickness	in	3.5
	Tine Canacity	ka	22200
	Tine Capacity	lbs	48929
	Operating Weight	kg	19722
	oporaungorg.n	lbs	43468



\*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.

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\*\*CEN - European Committee for



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

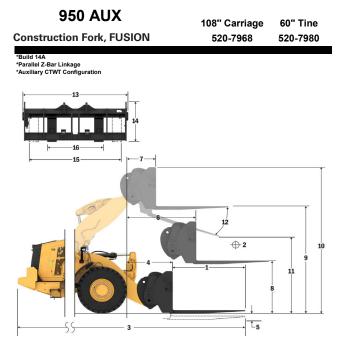
Hinge (B) Pin Height (mm)

# **950 Wheel Loader Specifications**

## **Fork Specifications**

#### **Fork Specifications**

10	ik opecilications		
1	Tine Length	mm in	1524 60.0
_		mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9931
	Static Tipping Load - Straight (Forks Level)	lbs	21888
	Static Tipping Load - Articulated (Forks Level)	kg	8540
	Otatio ripping coad - 7 tribulated (1 onto cover)	lbs	18822
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4270
		lbs	9411
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5124
	(	lbs	11293
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6832
	<u> </u>	lbs mm	15058 8964
3	Maximum Overall Length	in	352.9
	<u> </u>	mm	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
_	B 1 31 A 11 : 11 15 1 1 1	mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
-	Decelorable Feels at Manifeston Heinba	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
0	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 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	ḿш	2272
	<u>'</u>	in	89.5
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
	Overall Garriage Wilder	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	щm	2483
_	- ' ' '	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
		mm	180.0
	Tine Width (single tine)	in	7.1
		mm	90.0
	Tine Thickness	in	3.5
		ka	17800
	Tine Capacity	lbs	39231
	0 " " " "	ka	19784
	Operating Weight	lbs	43605



Hinge (B) Pin Height (mm)

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

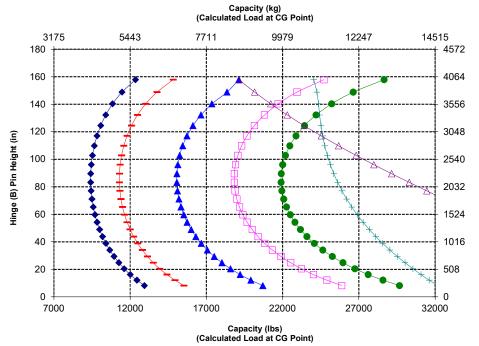




Coolant, Lubricants, and Operator Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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.

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\*\*CEN - European Committee for



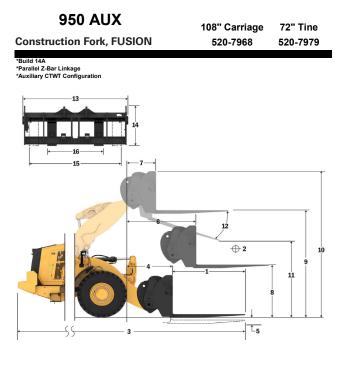


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
_	L 1 O 1	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9433
	State Tipping 2000 Statight (1 Sine 2016)	lbs	20790
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8102 17858
		kg	4051
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8929
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4861
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	10715
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6482
	Traica Edda (OEIV EIV 474 O'I IIII and Edvar Ground - 0070 1 1012)	lbs	14286
3	Maximum Overall Length	mm	9269
		in mm	364.9 1213
4	Reach with Forks at Ground Level	in	47.7
_	+O	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 Arms 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 rieight of Fork at Full Lift (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	2029
•••	Clourantee at Fair Ent and max bump	in	79.9
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
	g	in	111.5 1130
14	Overall Carriage Height	mm in	44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Outside Title Width (Initi Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm in	90.0 3.5
_		ka	14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	19846
	Operating weight	lbs	43741



\*Negative values indicate below grade



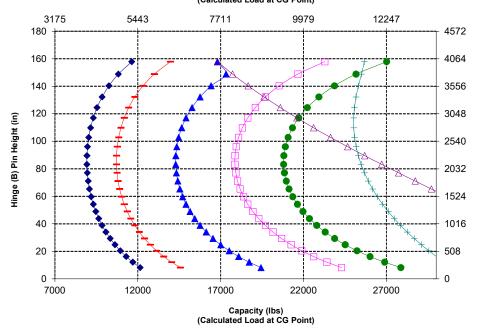


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator Coolant, Lubricants, and Operator

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.

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

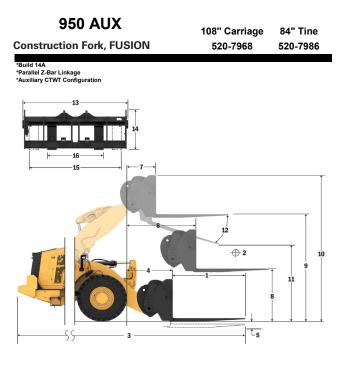
Hinge (B) Pin Height (mm)

# **950 Wheel Loader Specifications**

## **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



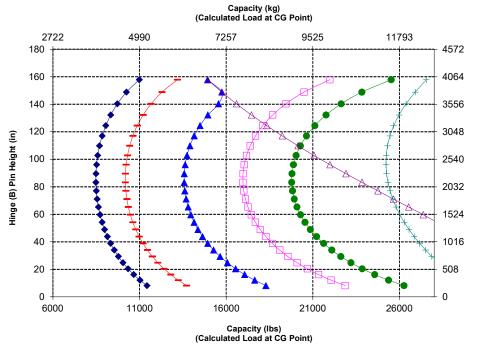


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator Coolant, Lubricants, and Operator

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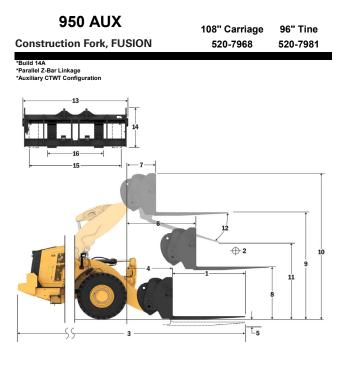


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

#### **Fork Specifications**

2 Load Center	_	opeoout.one		
2 Load Center	1	Tine Length		2438
Static Tipping Load - Straight (Forks Level)   In   48.0   8544   8545	_	1		1219
Static Tipping Load - Straight (Forks Level)   Ibs   1882	2	Load Center		48.0
Static Tipping Load - Articulated (Forks Level)   Iss   1613   Rated Load (SAE J1197 - 50% FTSTL)   Iss   8068   8068   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Iss   8068   80		Static Tipping Load - Straight (Forks Level)		8543
State   Ipping Load - Articulated (Fork's Level)   Ibs   1613     Rated Load (SAE J1197 - 50% FTSTL)   Ibs   8068   185		Otatio Tipping Load - Otalight (Forto Level)		18829
Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% 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  Reach with Forks at Ground Level  Reach with Arms Horizontal and Fork Level  Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height  Reach with Fork at Full Lift (top of carriage to ground)  Reach with Fork at Maximum Height  Reach with Fork at Full Lift (top of carriage to ground)  Reach with Fork at Full Lift (top of carriage to ground)  Reach with Fork at Full Lift (top of carriage to ground)  Reach with Fork at Full Lift (top of carriage to ground)  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height		Static Tipping Load - Articulated (Forks Level)		
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   8066   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   9676   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   9676   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1290   Rated Load (CEN EN 474-10 FTSTL)   Ibs   1290   Rated Load (		11. 0		
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)         kg 439*           Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         kg 585*           3 Maximum Overall Length         mm 987*           4 Reach with Forks at Ground Level         mm 121*           5 *Ground to Bottom of Tine at Minimum Height and Fork Level         in 47.7           6 Reach with Arms Horizontal and Forks Level         mm 174*           7 Reach with Fork at Maximum Height         mm 102*           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm 187*           9 Ground to Top of Tine at Maximum Height and Fork Level         mm 381*           9 Ground to Top of Tine at Maximum Height 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 50*           2 Max Discharge Angle from Horizontal         deg 53           3 Overall Carriage Width         in 111*           4 Overall Carriage Height         mm 130*           5 Outside Tine Width (min spread)         mm 280*           6 Outside Tine Width (min spread)         mm 390*           1 in 7.1,0         7.2           2 Tine Width (single tine)         mm 90.0           1 in 7.1,1         7.2           1 in 7.1		Rated Load (SAE J1197 - 50% FTSTL)		
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   9676				
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)		9678
Maximum Overall Length		Detect Load (CEN EN 474 2 Firm and Lovel Cround, 900/ ETCTL)		5855
1		Rated Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	12904
Reach with Forks at Ground Level   mm   1213     Search with Forks at Ground Level   mm   1213     Reach with Arms Horizontal and Forks Level   mm   174     Reach with Arms Horizontal and Forks Level   mm   174     Reach with Fork at Maximum Height   mm   1028     Reach with Fork at Maximum Height   mm   1028     Reach with Fork at Maximum Height   mm   1028     Ground to Top of Tine with Arms Horizontal and Fork Level   mm   1871     Ground to Top of Tine at Maximum Height and Fork Level   mm   3811     Ground to Top of Tine at Maximum Height and Fork Level   mm   3811     Ground to Top of Tine at Maximum Height and Fork Level   mm   3811     Ground to Top of Tine at Maximum Height and Fork Level   mm   3811     Ground to Top of Tine at Maximum Height and Fork Level   mm   3811     Ground to Top of Tine at Maximum Height and Fork Level   mm   3811     Ground to Top of Tine at Maximum Height and Fork Level   mm   3811     Ground to Top of Tine at Maximum Height and Fork Level   mm   3811     Ground to Top of Tine at Maximum Height and Fork Level   mm   3811     Ground to Top of Tine at Maximum Height and Fork Level   mm   3812     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and Fork Level   mm   3801     Ground to Top of Tine at Maximum Height and	3	Maximum Overall Length		9878
A Reach with Forks at Ground Level	_	Waximum Overali Eengur		388.9
5 *Ground to Bottom of Tine at Minimum Height and Fork Level         mm         -79           5 Reach with Arms Horizontal and Forks Level         mm         1744           6 Reach with Fork at Maximum Height         mm         1026           7 Reach with Fork at Maximum Height         mm         187           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm         187           9 Ground to Top of Tine at Maximum Height and Fork Level         mm         381           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm         485           1 Clearance at Full Lift and Max Dump         mm         191.           2 Max Discharge Angle from Horizontal         deg         53           3 Overall Carriage Width         mm         283           4 Overall Carriage Height         mm         113           5 Outside Tine Width (max spread)         mm         248           6 Outside Tine Width (min spread)         mm         180           7 Tine Width (single tine)         mm         180           1 Tine Thickness         mm         90           1 Tine Capacity         los         2490           Operating Weight         82         193	4	Reach with Forks at Ground Level		
Section of the at winnimum Height and Fork Level   in   3.1	_			
8 Reach with Arms Horizontal and Forks Level         mm (744) in 827.         474.           7 Reach with Fork at Maximum Height         mm (1024) in 40.5         40.5           3 Ground to Top of Tine with Arms Horizontal and Fork Level in 73.9         mm 381.1         150.           9 Ground to Top of Tine at Maximum Height and Fork Level in 150.         mm 381.1         150.           0 Overall Height of Fork at Full Lift (top of carriage to ground) in 191.         1 Clearance at Full Lift and Max Dump in 60.8         485.5           2 Max Discharge Angle from Horizontal deg 3         deg 53         53           3 Overall Carriage Width in 191.         mm 113.1         113.1           4 Overall Carriage Height in 248.5         mm 113.0         143.5           5 Outside Tine Width (max spread) in 248.         mm 248.1         150.2           6 Outside Tine Width (min spread) in 23.2         mm 180.1         150.2           Tine Width (single tine) in 7.1         mm 180.1         150.2           Tine Capacity (single Weight in 19.2) (single 19.2)	5	*Ground to Bottom of Tine at Minimum Height and Fork Level		
Reach with Fork at Maximum Height	_	<u> </u>		
7 Reach with Fork at Maximum Height         mm 1025 in 40,5 sq.           8 Ground to Top of Tine with Arms Horizontal and Fork Level in 73,8 mm 381,1 sq.         mm 187,7 sq.           9 Ground to Top of Tine at Maximum Height and Fork Level in 73,8 mm 381,1 sq.         mm 485,5 sq.           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm 485,5 sq.           11 Clearance at Full Lift and Max Dump         mm 154,4 sq.           2 Max Discharge Angle from Horizontal         deg 53           3 Overall Carriage Width         mm 283,5 sq.           4 Overall Carriage Height         mm 113,4 sq.           5 Outside Tine Width (max spread)         mm 248,5 sq.           6 Outside Tine Width (min spread)         mm 590,6 sq.           7 Tine Width (single tine)         mm 180,1 sq.           1 Tine Thickness         mm 90,0 sq.           1 Tine Capacity         lbs 2490           Operating Weight         kg 1937	6	Reach with Arms Horizontal and Forks Level		
Ground to Top of Tine with Arms Horizontal and Fork Level   mm   1877   1877   1879	_			
3   Ground to Top of Tine with Arms Horizontal and Fork Level   mm   187 in 73.9   7	7	Reach with Fork at Maximum Height		40.5
1	•	Cround to Ton of Ting with Arms Harizantal and Early Laval		1877
150.   150.	٥	Ground to Top of Title with Arms Horizontal and Fork Level	in	73.9
1	9	Ground to Top of Tine at Maximum Height and Fork Level		3812
191.   191.	_	Ordana to rep or time at maximum riognicana roncestor		150.1
1 Clearance at Full Lift and Max Dump         mm in 60.8 in 60.8 in 60.8           2 Max Discharge Angle from Horizontal         deg 53           3 Overall Carriage Width         mm 283: in 111.4 in	10	Overall Height of Fork at Full Lift (top of carriage to ground)		
1 Clearance at ruil Lift and Max Dump         in         60.8           2 Max Discharge Angle from Horizontal         deg         53           3 Overall Carriage Width         mm         28.3           4 Overall Carriage Height         mm         111.4           5 Outside Tine Width (max spread)         mm         248.           6 Outside Tine Width (min spread)         mm         590.           7 Tine Width (single tine)         mm         180.           7 Tine Thickness         mm         90.0           8 Tine Capacity         ls         3.5           1 Tine Capacity         lbs         2490           Operating Weight         kg         1997		· · · · · · · · · · · · · · · · · · ·		
2 Max Discharge Angle from Horizontal         deg         53           3 Overall Carriage Width         mm         283 in           4 Overall Carriage Height         mm         113 in           5 Outside Tine Width (max spread)         mm         248 in           6 Outside Tine Width (min spread)         mm         590 in           7 Ine Width (single tine)         mm         180 in           Tine Thickness         mm         90.0 in           Tine Capacity         kg         1130 in           Operation Weight         kg         193 in	11	Clearance at Full Lift and Max Dump		
3 Overall Carriage Width				
4 Overall Carriage Width         in 111.           4 Overall Carriage Height         mm 133.           5 Outside Tine Width (max spread)         mm 248.           6 Outside Tine Width (min spread)         mm 590.           7 Tine Width (single tine)         mm 180.           1 Tine Thickness         mm 90.0           1 Tine Capacity         ka 133.           Operating Weight         ka 1997.	12	Max Discharge Angle from Horizontal	deg	53
4 Overall Carriage Height   mm   113.   mm   113.   mm   113.   mm   113.   mm   113.   mm   1248.   mm   248.   mm   248.   mm   248.   mm   248.   mm   590.   mm   590.   mm   180.	13	Overall Carriage Width		2833
4 Overall Carriage Freight         in 44.5           5 Outside Tine Width (max spread)         mm 2483 in 97.8           6 Outside Tine Width (min spread)         mm 590 in 23.2           Tine Width (single tine)         mm 80.0 in 7.1           Tine Thickness         mm 90.0 in 3.5           Tine Capacity         kg 1130           Operating Weight         kg 1997	13	Overall Carriage Width		111.5
5 Outside Tine Width (max spread) mm 248.3 m 248.8 m 2	14	Overall Carriage Height		
5 Outside line width (max spread)         in 97.8           6 Outside Tine Width (min spread)         mm 590 in 23.2           Tine Width (single tine)         mm 180.0 in 7.1           Tine Thickness         in 3.5           Tine Capacity         kq 1130 lbs 2490           Operating Weight         kg 1997		gg		
6 Outside Tine Width (min spread)         mm 590 in 23.2           Tine Width (single tine)         mm 180.4           Tine Thickness         mm 90.0           Tine Capacity         ka 1130           Operating Weight         ka 1997	15	Outside Tine Width (max spread)		
Tine Width (single tine)         in mm				
Tine Width (single tine)         mm in 7.1         18.0           Tine Thickness         in 3.5           Tine Capacity         ka 1330           Operating Weight         ka 1997	16	Outside Tine Width (min spread)		
Tine Width (single line)         in 7.1           Tine Thickness         mm 90.0           Tine Capacity         ka 1130           Operating Weight         ka 1997		T 140 HI ( : 1 0: )		180.0
Time Capacity         in         3.5           To Capacity         lbs         2490           Operating Weight         kg         1997		line Width (single tine)		
In 3.5   3.5   Tine Capacity   kg   1130   lbs   2490   Capacity   kg   1997		Tino Thickness	mm	90.0
Operating Weight kg 1997		THE THICKNESS	in	3.5
Operating Weight kg 1997		Tine Canacity		11300
		Timo Capacity		24905
. 5 5 lbs 4401		Operating Weight		19971
		-1 0 0 5	lbs	44017

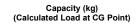


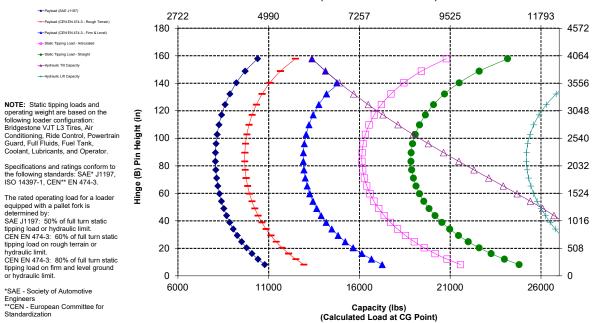
\*Negative values indicate below grade

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







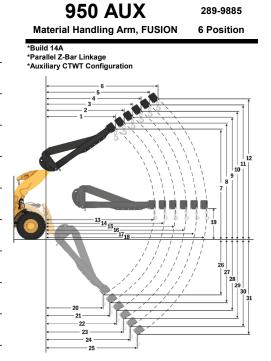
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

# **950 Wheel Loader Specifications**

# **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"
AF 177 11 1 5 1 1 5 1 1 6 1 1 6 1 1 6 1 1 6 1 6	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
Challe Time in all and Additional and	kg	5,501	5,202	4,932	4,689	4,467	4,265
tic Tipping Load, Articulated	lb	12,125	11,465	10,871	10,334	9,845	9,399
Operating Weight	kg	19,118	19,118	19,118	19,118	19,118	19,118
	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.

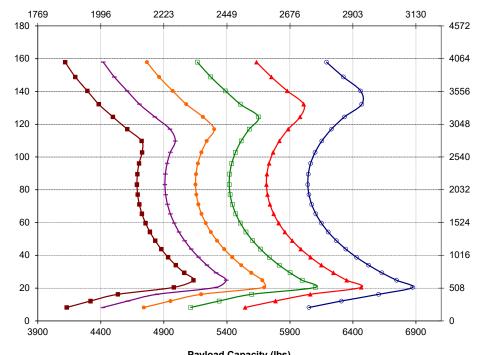
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1 Hinge (B) Pin Height (in)

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

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



# **950 Wheel Loader Specifications**

# **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, front differential lock**	✓	
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	✓	
ONBOARD TECHNOLOGIES		
Cat Payload scale	✓	
Autodig with auto set tires	✓	
Operator ID and machine security	✓	
Application profiles	✓	
Job aids	✓	
Controls help and eOMM	✓	
Cat Advanced Payload		✓
Cat Payload printer		✓

	Standard	Optional
OPERATOR ENVIRONMENT		
Cab, pressurized, sound suppression	✓	
Door, remote opening system**		✓
EH implement controls, parking brake	✓	
HMU steering wheel	✓	
Steering, joystick		✓
Entertainment radio		✓
CB radio ready		✓
Seat, cloth, air suspension	✓	
Seat, suede/cloth, air suspension, heated		✓
Seat, leather/cloth, air suspension, heated/cooled		✓
Touchscreen display	✓	
Visibility: mirrors, rearview camera	✓	
Multiview (360°) vision system		✓
Cat Detect rear radar system		✓
Dedicated rearview screen		✓
Mirrors, heated		✓
Air conditioner, heater, defroster (auto temp, fan)	✓	
Sun visor, front and rear retractable	✓	
Window cleaning platform, front**	✓	
Windows, front, laminated	✓	
Windows, front, heavy duty		✓
Full cab window guard		✓

(continued on next page)

# 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		✓
Warning beacon		✓
Reversing strobe lights		✓
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™ hoses	✓	
Quick coupler control		✓
LINKAGE		
Parallel lift, Z-bar	✓	
High lift		✓
Kickouts: lift and tilt	✓	

	Standard	Optional
MONITORING SYSTEM		
Front dash with analog gauges, LCD display, and warning lights	✓	
Primary touchscreen monitor (Cat Payload, quad screens, machine settings and messages)	✓	
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		✓
Toolbox		✓
Wheel chocks		✓
Secondary steering system, electrical**		✓
SPECIAL CONFIGURATIONS*		
Auxiliary counterweight		✓
Waste and industrial		✓
Forestry		✓
Corrosion resistant		✓

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

# 950 Environmental Declaration

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

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

#### **Engine**

- The Cat® C7.1 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards or Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, China Nonroad Stage IV, Japan 2014 engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lowercarbon 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.

- \*Engines with no aftertreatment devices can use higher blends, up to 30% biodiesel where mandated.
- \*\* 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 (Global Warming Potential = 1430). The system contains 1.6 kg (3.5 lb) of refrigerant, which has a  $\rm CO_2$  equivalent of 2.288 metric tonnes (2.522 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 < 0.01%
- Lead < 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 up to 10% more 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	65.16%
Iron	15.93%
Nonferrous Metal	3.27%
Mixed Metal	0.58%
Mixed Metal and Nonmetal	0.08%
Plastic	0.98%
Rubber	7.84%
Mixed Nonmetallic	0.03%
Fluid	1.26%
Other	3.05%
Uncategorized	1.81%
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 - 97%



# **950**

# Waste & 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.
- Cab access with wide door, optional remote door opening, and inclined steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear-vision camera provide industry leading all-around visibility.

- Monitored seat belt is standard and can be enhanced with an optional exterior indicator.
- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

#### **Reduced Maintenance Time and Costs**

- Extended fluid and filter change intervals reduce maintenance costs by up to 30%.\*
- 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.

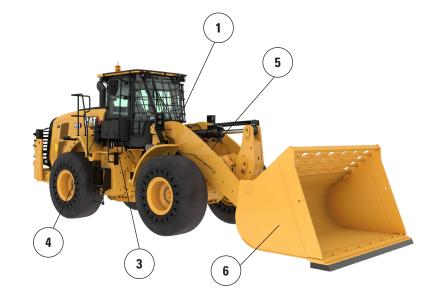
#### Work in Comfort in the All New Cab

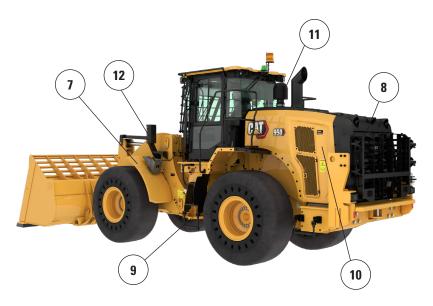
- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise 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.

<sup>\*</sup>Parts and fluids only.

## 950 Waste and Scrap Handler Features

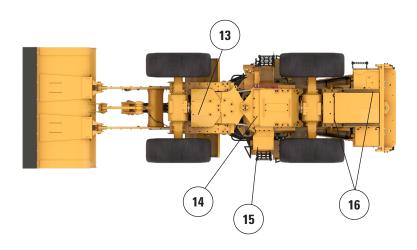
- 1. Optional window guarding to provide impact resistance to the glass
- 2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
- 3. Carbon cab air filter removes harsh odors
- Optional powered cab precleaner helps to improve cab filter life and keeps the cab pressurized
- Optional 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
- 10. Optional variable pitch fan and high debris cooling cores help to keep the cooling package clean
- 11. Optional turbine engine air precleaner with a trash screen option helps to extend engine air filter life
- 12. Front lights are guarded and positioned close to the frame for added protection

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



# **Tire Options**

Tire Brand	BRAWLER	BRAWLER	BRIDGESTONE	MAXAM	MICHELIN
Tire Size	23.5X25	23.5X25	23.5R25	23.5R25	23.5R25
Tread Type	N/A	N/A	L-3	L-3	L-3
Tread Pattern	SMOOTH	TRACTION	VJT	MS302	XHA2
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"
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"
Change in Vertical Dimensions		0 mm	-71 mm	-54 mm	-61 mm
(average of front and rear)		0"	-2.8"	-2.1"	-2.4"
Change in Horizontal Reach		0 mm 0"	15 mm 0.6"	1 mm 0"	9 mm 0.4"
Change in Clearance Circle to Outside of Tires		0 mm 0"	685 mm 27.0"	689 mm 27.1"	690 mm 27.2"
Change in Clearance Circle to Inside of Tires		0 mm 0"	-685 mm -27.0"	-689 mm -27.1"	-690 mm -27.2"
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
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
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
Rear Axle Oscillation Angle	±8 degrees	±8 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"

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

## **Operating Specifications – Buckets**

Linl	kage				Standar	d Linkage				
Buc	ket Type		General Purpose – Pin-On							
Edg	е Туре		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips		
	Capacity – Rated	$m^3$	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"		
Α†	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"		
Β†	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)	1b	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		
		1b	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.

Linkage				Standa	rd Linkage		
Bucket Type				General Pu	rpose – Pin-On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	$m^3$	3.60	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	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)	1b	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)	1b	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
	1b	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.

<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.

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

Linkage				Standaı	d 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	$m^3$	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	$m^3$	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"
7† 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"
2† Overall Length	mm	8383	8557	8557	8456	8630	8630
	ft/in	27'7"	28'1"	28'1"	27'9"	28'4"	28'4"
<b>B</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)	1b	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)	1b	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				Standa	rd Linkage				
Bucket Type		General Purpose – Hook-On – Fusion							
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips		
Capacity – Rated	$m^3$	3.60	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 <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	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)	1b	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)	1b	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		
	1b	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		High Dump — Hook-On — Fusion	Waste, Load an	d Carry – Pin-On	Waste, Doz	ing – Pin-On			
Edge Type		Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges	Rubber Cutting Edges	Steel Bolt-On Cutting Edges	Rubber Cutting Edges			
Capacity – Rated	$m^3$	6.10	6.10	6.10	5.40	5.40			
	$yd^3$	8.00	8.00	8.00	7.00	7.00			
Capacity – Rated at 110% Fill Factor	$m^3$	6.70	6.70	6.70	5.90	5.90			
	$yd^3$	8.75	8.75	8.75	7.75	7.75			
Width	mm	2910	3059	3059	3059	3032			
	ft/in	9'6"	10'0"	10'0"	10'0"	9'11"			
16† Dump Clearance at Maximum Lift	mm	2390	2519	2422	2786	2688			
and 45° Discharge	ft/in	7'10"	8'3"	7'11"	9'1"	8'9"			
17† Reach at Maximum Lift and	mm	1727	1685	1624	1418	1358			
45° Discharge	ft/in	5'8"	5'6"	5'3"	4'7"	4'5"			
Reach at Level Lift Arm and	mm	3296	3174	3199	2797	2823			
Bucket Level	ft/in	10'9"	10'4"	10'5"	9'2"	9'3"			
A† Digging Depth	mm	103	7	7	42	154			
	in	4"	0.2"	0.2"	1.6"	6"			
12† Overall Length	mm	8990	8822	8930	8445	8554			
	ft/in	29'6"	29'0"	29'4"	27'9"	28'1"			
<b>B</b> † Overall Height with Bucket at	mm	6139	5932	5932	6139	6139			
Maximum Lift	ft/in	20'2"	19'6"	19'6"	20'2"	20'2"			
Loader Clearance Circle Radius	mm	6946	6949	7001	6826	6868			
with Bucket at Carry Position	ft/in	22'10"	22'10"	23'0"	22'5"	22'7"			
Static Tipping Load, Straight	kg	13 446	14 892	14 849	15 978	15 934			
(No tire deflection)	1b	29,643	32,833	32,737	35,227	35,128			
Static Tipping Load, Articulated	kg	11 542	12 899	12 855	13 853	13 808			
(No tire deflection)	lb	25,445	28,437	28,341	30,541	30,442			
Breakout Force(§)	kN	114	131	129	162	158			
107	lbf	25,759	29,444	29,188	36,502	35,523			
Operating Weight*	kg	24 654	23 894	23 932	24 022	24 052			
1	lb	54,353	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			p Clamp – -On
Edge Type		Steel Bolt-On Cutting Edges	Rubber Cutting Edges
Capacity – Rated	$m^3$	4.40	4.40
	$yd^3$	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"
6† Dump Clearance at Maximum Lift	mm	2302	2204
and 45° Discharge	ft/in	7'6"	7'2"
7† 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)	1b	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 Li	ft Linkage				
Bucket Type		General Purpose – Pin-On							
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips		
Capacity – Rated	$m^3$	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>B</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 Purpose – Pin-On							
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	
Capacity – Rated	$m^3$	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	3351	3232	3232	3317	3197	3197	
and 45° Discharge	ft/in	10'11"	10'7"	10'7"	10'10"	10'5"	10'5"	
17† 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"	
12† Overall Length	mm	8891	9063	9063	8937	9109	9109	
	ft/in	29'3"	29'9"	29'9"	29'4"	29'11"	29'11"	
<b>B</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)	1b	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	
	1b	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		General Purpose – Hook-On – Fusion							
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips		
Capacity – Rated	$m^3$	3.10	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"		
16† 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)	1b	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		
	1b	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.

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

Lin	kage			High Lift Linkage						
Buc	cket Type		General Purpose – Hook-On – Fusion							
Edç	је Туре		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	3311	3192	3192	3277	3157	3157		
	and 45° Discharge	ft/in	10'10"	10'5"	10'5"	10'9"	10'4"	10'4"		
<b>17</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"		
Α†	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	8951	9123	9123	8997	9169	9169		
		ft/in	29'5"	30'0"	30'0"	29'7"	30'1"	30'1"		
В†	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)	1b	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)	1b	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		
	- 5 5	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.

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.

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

Linkage				High Lift Linkage		
Bucket Type		High Dump — Hook-On — Fusion	Waste, L Carry –	oad and Pin-On	Waste, Doz	ing – Pin-On
Edge Type		Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges	Rubber Cutting Edges	Steel Bolt-On Cutting Edges	Rubber Cutting Edges
Capacity – Rated	$m^3$	6.10	6.10	6.10	5.40	5.40
	$yd^3$	8.00	8.00	8.00	7.00	7.00
Capacity – Rated at 110% Fill Factor	$m^3$	6.70	6.70	6.70	5.90	5.90
	$yd^3$	8.75	8.75	8.75	7.75	7.75
Width	mm	2910	3059	3059	3059	3032
	ft/in	9'6"	10'0"	10'0"	10'0"	9'11"
16† Dump Clearance at Maximum Lift	mm	2895	3025	2928	3291	3193
and 45° Discharge	ft/in	9'6"	9'11"	9'7"	10'9"	10'5"
17† Reach at Maximum Lift and	mm	1763	1720	1659	1454	1393
45° Discharge	ft/in	5'9"	5'7"	5'5"	4'9"	4'6"
Reach at Level Lift Arm and	mm	3671	3549	3574	3172	3198
Bucket Level	ft/in	12'0"	11'7"	11'8"	10'4"	10'5"
A† Digging Depth	mm	108	11	11	46	158
	in	4.2"	0.4"	0.4"	1.8"	6.2"
12† Overall Length	mm	9442	9281	9376	8904	9000
	ft/in	31'0"	30'6"	30'10"	29'3"	29'7"
<b>B</b> † Overall Height with Bucket at	mm	6645	6437	6437	6644	6644
Maximum Lift	ft/in	21'10"	21'2"	21'2"	21'10"	21'10"
Loader Clearance Circle Radius	mm	7160	7154	7230	7020	7081
with Bucket at Carry Position	ft/in	23'6"	23'6"	23'9"	23'1"	23'3"
Static Tipping Load, Straight	kg	10 972	12 234	12 191	12 991	12 949
(No tire deflection)	1b	24,189	26,971	26,877	28,642	28,548
Static Tipping Load, Articulated	kg	9333	10 526	10 483	11 188	11 146
(No tire deflection)	1b	20,577	23,206	23,113	24,666	24,573
Breakout Force(§)	kN	108	123	123	153	150
	1bf	24,407	27,840	27,759	34,563	33,827
Operating Weight*	kg	24 905	24 145	24 183	24 272	24 302
	lb	54,905	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.

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

Linkage		High Lift	Linkage
Bucket Type			p Clamp — -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"
<b>16</b> † 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.

(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.



# 950 Forestry Machine

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

#### **Proven Reliability**

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- 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

- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.

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

#### **Reduced Maintenance Time and Costs**

- Extended fluid and filter change intervals reduce maintenance costs by up to 30%.\*
- 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

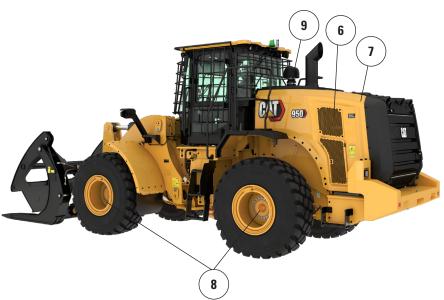
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) 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.

<sup>\*</sup>Parts and fluids only.

## **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
- 9. Optional engine and cab precleaners for use in high debris applications

# **Tire Options**

Tire Brand	BRIDGESTONE	MICHELIN	MICHELIN	BRIDGESTONE	MAXAM
Tire Size	23.5R25	23.5R25	750/65R25	750/65R25	23.5R25
Tread Type	L-3	L-3	L-3	L-3	L-3
Tread Pattern	VJT	XHA2	XLD	VTS	MS302
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"
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"
Change in Vertical Dimensions		10 mm	12 mm	19 mm	14 mm
(average of front and rear)		0.4"	0.5"	0.7"	0.5"
Change in Horizontal Reach		-6 mm -0.2"	5 mm 0.2"	-4 mm -0.2"	-15 mm -0.6"
Change in Clearance Circle to Outside of Tires		4 mm 0.2"	144 mm 5.7"	128 mm 5"	4 mm 0.2"
Change in Clearance Circle to Inside of Tires		-4 mm -0.2"	-144 mm -5.7"	-128 mm -5"	-4 mm -0.2"
Change in Operating Weight (without ballast)		-156 kg -344 lb	633 kg 1,395 lb	737 kg 1,625 lb	0 kg 0 lb
Change in Static Tipping Load – Straight		-104 kg -229 lb	421 kg 928 lb	490 kg 1,080 lb	0 kg 0 lb
Change in Static Tipping Load – Articulated		-90 kg -200 lb	367 kg 809 lb	427 kg 942 lb	0 kg 0 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.

## **Operating Specifications – Buckets**

Linkage			Forestry Linkage	
Bucket Type			High Dump – Pin-On	
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"
16† Dump Clearance at Maximum Lift	mm	2350	2279	2138
and 45° Discharge	ft/in	7'8"	7'5"	7'0"
17† Reach at Maximum Lift and	mm	1815	1885	2027
45° Discharge	ft/in	5'11"	6'2"	6'7"
Reach at Level Lift Arm and	mm	3378	3478	3678
Bucket Level	ft/in	11'1"	11'4"	12'0"
A† Digging Depth	mm	72	72	72
	in	2.8"	2.8"	2.8"
12† Overall Length	mm	9027	9127	9327
	ft/in	29'8"	30'0"	30'8"
<b>B</b> † Overall Height with Bucket at	mm	5988	6075	6276
Maximum Lift	ft/in	19'8"	20'0"	20'8"
Loader Clearance Circle Radius	mm	7001	7171	7239
with Bucket at Carry Position	ft/in	23'0"	23'7"	23'9"
Static Tipping Load, Straight	kg	11 733	11 412	11 075
(With tire deflection)	lb	25,867	25,160	24,416
Static Tipping Load, Straight	kg	12 552	12 231	11 898
(No tire deflection)	1b	27,673	26,966	26,232
Static Tipping Load,	kg	9909	9600	9281
Articulated (With tire deflection)	lb	21,846	21,164	20,462
Static Tipping Load, Articulated	kg	10 738	10 429	10 115
(No tire deflection)	lb	23,674	22,992	22,300
Breakout Force(§)	kN	133	124	111
	lbf	29,908	28,022	25,045
Operating Weight*	kg	20 900	21 129	21 302
- 5 5	lb	46,076	46,580	46,962

<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.

Linkage			Forestry Linkage	
Bucket Type			High Dump – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	$m^3$	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"
16† Dump Clearance at Maximum Lift	mm	2305	2233	2092
and 45° Discharge	ft/in	7'6"	7'3"	6'10"
17† Reach at Maximum Lift and	mm	1860	1931	2073
45° Discharge	ft/in	6'1"	6'4"	6'9"
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"
12† Overall Length	mm	9091	9192	9392
	ft/in	29'10"	30'2"	30'10"
<b>B</b> † Overall Height with Bucket at	mm	6049	6115	6316
Maximum Lift	ft/in	19'11"	20'1"	20'9"
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	10 639	10 761	10 433
(With tire deflection)	1b	23,456	23,725	23,002
Static Tipping Load, Straight	kg	11 383	11 563	11 238
(No tire deflection)	1b	25,095	25,492	24,777
Static Tipping Load,	kg	8914	8976	8667
Articulated (With tire deflection)	1b	19,653	19,790	19,108
Static Tipping Load, Articulated	kg	9671	9788	9482
(No tire deflection)	1b	21,321	21,580	20,905
Breakout Force(§)	kN	121	119	107
	1bf	27,237	26,884	24,084
Operating Weight*	kg	21 477	21 696	21 868
	1b	47,348	47,830	48,210

<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.

Linkage		Forestry Linkage						
Bucket Type		High Dump – Hook-On – Fusion – VCE Small						
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges				
Capacity – Rated	$m^3$	6.10	7.60	9.20				
	yd³	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"				
16† Dump Clearance at Maximum Lift	mm	2294	2223	2081				
and 45° Discharge	ft/in	7'6"	7'3"	6'9"				
17† Reach at Maximum Lift and	mm	1871	1942	2083				
45° Discharge	ft/in	6'1"	6'4"	6'10"				
Reach at Level Lift Arm and	mm	3458	3558	3758				
Bucket Level	ft/in	11'4"	11'8"	12'3"				
A† Digging Depth	mm	72	72	72				
	in	2.8"	2.8"	2.8"				
12† Overall Length	mm	9107	9207	9407				
	ft/in	29'11"	30'3"	30'11"				
<b>B</b> † Overall Height with Bucket at	mm	6034	6122	6323				
Maximum Lift	ft/in	19'10"	20'1"	20'9"				
Loader Clearance Circle Radius	mm	7026	7197	7268				
with Bucket at Carry Position	ft/in	23'1"	23'8"	23'11"				
Static Tipping Load, Straight	kg	11 179	10 862	10 534				
(With tire deflection)	1b	24,647	23,947	23,224				
Static Tipping Load, Straight	kg	11 978	11 660	11 336				
(No tire deflection)	1b	26,407	25,707	24,991				
Static Tipping Load,	kg	9390	9083	8773				
Articulated (With tire deflection)	lb	20,702	20,026	19,342				
Static Tipping Load, Articulated	kg	10 199	9892	9586				
(No tire deflection)	lb	22,485	21,809	21,134				
Breakout Force(§)	kN	126	118	106				
	1bf	28,379	26,621	23,859				
Operating Weight*	kg	21 245	21 475	21 648				
- 5 5	lb	46,836	47,343	47,725				

<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.

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	$m^3$	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	$m^3$	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"
16† 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
w.	1bf	20,860	26,841	25,336	25,062	24,918
Operating Weight*	kg	22 503	20 402	20 494	21 037	20 998
- 5 5	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.

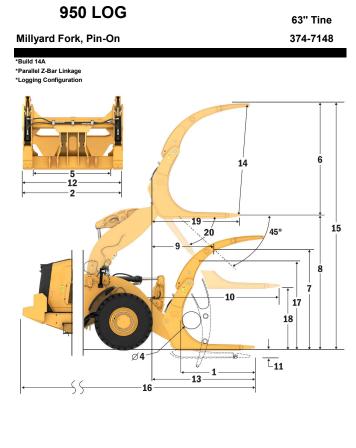
<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<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.

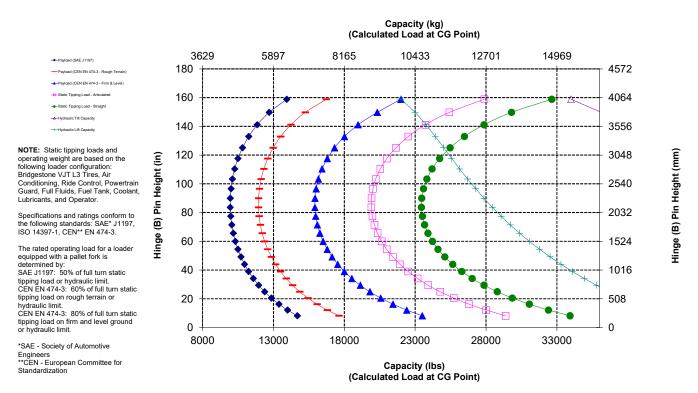
# **Fork Specifications**

Fo	rk Specifications		
1	Tine length	mm	1609
		in	63.3
2	Fork width	mm	2324
		in	91.5
	End area	m2	1.26
	1. 21. 11.2.17	ft2	14
3	Inside Height	mm	0
	(only applies to double top clamp)	in	0
4	Min. opening (only applies to millyard forks)	mm	427
	(Only applies to miliyard lorks)	in	17
	Operating Weight	kg	20555
		lbs	45316
5	Distance inside of tine tips	mm :	1780
	Static tipping load, articulated	in	70 9031
	Fork level	kg	
	Static tipping load, straight	lbs	19910.2 10632
	Fork level	kg lbs	
	Max. height of fork	mm	23438.7 2843
6	(w/clamp open if applicable)	in	111.9
	Clearance w/full lift, 45 deg dump	mm	2629
7	(if max. dump <> 45)	in	103.5
_	` '	mm	3761
8	Clearance @ full lift fork level	in	148.1
_	Reach w/full lift, 45 deg dump	mm	1588
9	(if max. dump <> 45)	in	62.5
40		mm	3021
10	Reach w/lift arm horizontal and fork level	in	118.9
44	*Convenience of Total at Minimum Height and Total and	mm	-66
"	*Ground to Bottom of Tool at Minimum Height and Tool Level	in	-2.6
42	Width over tines	mm	2286
12	Width over tines	in	90.0
12	Reach @ ground level	mm	2415
13	Reacif @ ground level	in	95
11	Max. opening across tine and clamp	mm	2709
	max. opening doross and dramp	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
. 3	Trought the fall lift and fork lover	in	89.9



\*Negative values indicate below grade

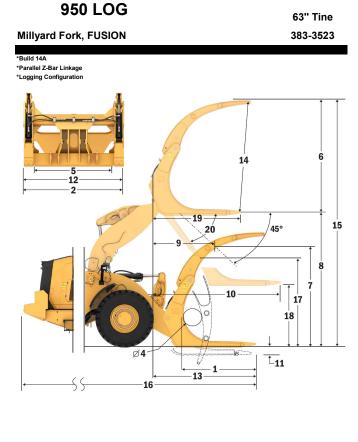
20 Max. discharge angle from horizontal



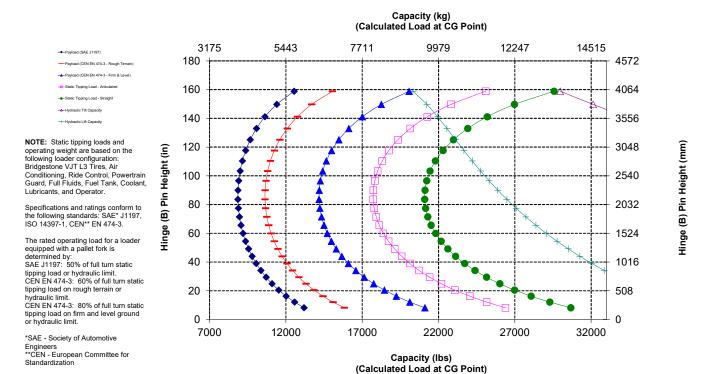
deg 46

#### **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	14
_	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
4	Min. opening	mm	427
4	(only applies to millyard forks)	in	17
	On and the Mainta	kg	21227
	Operating Weight	lbs	46798
_	District in the second	mm	1780
5	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
_	Max. height of fork	mm	2843
6	(w/clamp open if applicable)	in	111.9
_	Clearance w/full lift, 45 deg dump	mm	2542
7	(if max. dump <> 45)	in	100.1
_	0	mm	3775
8	Clearance @ full lift fork level	in	148.6
9	Reach w/full lift, 45 deg dump	mm	1694
9	(if max. dump <> 45)	in	66.7
40	Reach w/lift arm horizontal and fork level	mm	3158
10	Reach will arm norizontal and fork level	in	124.3
11	*Cd to Bottom of Tool of Minimum Height and Tool I are	mm	-52
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	in	-2.1
42	Width over tines	mm	2286
12	widin over lines	in	90.0
40	B @	mm	2541
13	Reach @ ground level	in	100
4.4	May enoning parece tine and elemn	mm	2709
14	Max. opening across tine and clamp	in	106.7
15	Overall height of fork @ full lift and	mm	6618
15	clamp open	in	260.5
16	Overall length	mm	8768
10	Tip of tine to rear of machine	in	345.2
17	Clearance @ full lift and max. dump	mm	2266
17	Discharge (if <> 45)	in	89.2
40	Clearance w/horizontal lift arms and	mm	1813.9
18	fork level	in	71.4
	D	mm	2420.5
40			0
19	Reach @ full lift and fork level	in	95.3
	Max. discharge angle from horizontal	in deq	95.3 63



\*Negative values indicate below grade

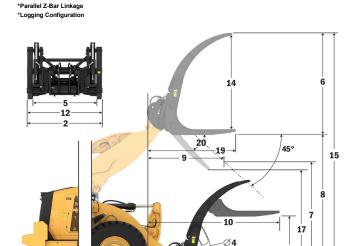


# **Fork Specifications**

Fork Specifications
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	ik opecilications		
1	Tine length	mm in	1677 66.0
		mm	2236
2	Fork width	in	88.0
_		m2	1.39
	End area	ft2	1.59
	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
	Min. opening	mm	330
4	(only applies to millyard forks)	in	13
	, , , , , , , , , , , , , , , , , , , ,	kg	19939
	Operating Weight	lbs	43958
		mm	1904
5	Distance inside of tine tips	in	75
	Static tipping load, articulated	kg	8770
	Fork level	lbs	19333.2
	Static tipping load, straight	kg	10237
	Fork level	lbs	22569.5
_	Max. height of fork	mm	3144
6	(w/clamp open if applicable)	in	123.8
_	Clearance w/full lift, 45 deg dump	mm	2356
7	(if max. dump <> 45)	in	92.8
_		mm	3659
8	Clearance @ full lift fork level	in	144.1
9	Reach w/full lift, 45 deg dump	mm	1716
9	(if max. dump <> 45)	in	67.6
40	Reach w/lift arm horizontal and fork level	mm	3305
10	Reach while arm norizontal and lork level	in	130.1
44	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-168
"	Ground to Bottom or Tool at Millimum Height and Tool Level	in	-6.6
12	Width over tines	mm	2184
12	Width over tines	in	86.0
12	Reach @ ground level	mm	2773
13	Neach @ ground level	in	109
11	Max. opening across tine and clamp	mm	2914
		in	114.7
15	Overall height of fork @ full lift and	mm	6803
	clamp open	in	267.8
16	Overall length	mm	9000
.,	Tip of tine to rear of machine	in	354.3
17	Clearance @ full lift and max. dump	mm	2339
.,	Discharge (if <> 45)	in	92.1
18	Clearance w/horizontal lift arms and	mm	1698.1
	fork level	in	66.9
19	Reach @ full lift and fork level	mm	2567.3
	TOUGHT WE TAIL HIT AND TOTAL T	in	101.1
20	Max. discharge angle from horizontal	deg	46
		rad	0.8



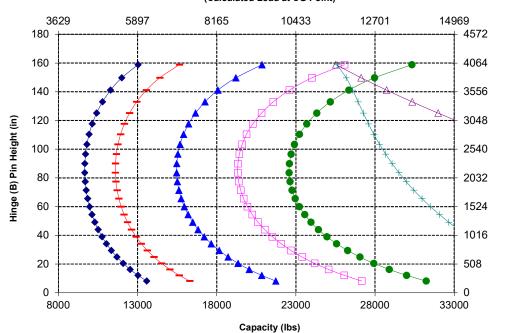


<sup>1</sup>11

Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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



(Calculated Load at CG Point)

Engineers
\*\*CEN - European Committee for Standardization

\*SAE - Society of Automotive

or hydraulic limit.

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.

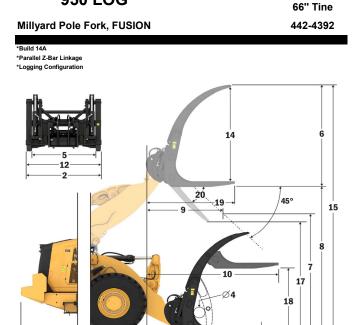
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

#### **Fork Specifications**

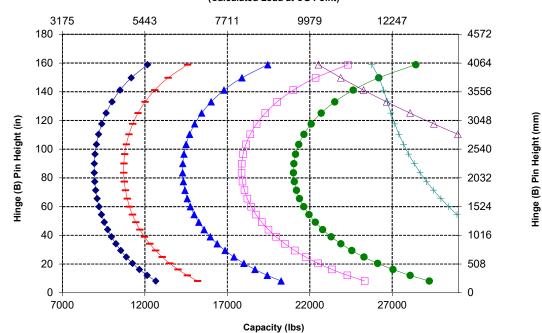
	ik opecilications		
1	Tine length	mm in	1677 66.0
		mm	2236
2	Fork width	in	88.0
		m2	1.39
	End area	ft2	1.55
	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
	Min. opening	mm	330
4	(only applies to millyard forks)	in	13
	, , , , , , , , , , , , , , , , , , , ,	kg	20495
	Operating Weight	lbs	45184
		mm	1904
5	Distance inside of tine tips	in	75
	Static tipping load, articulated	kg	8103
	Fork level	lbs	17862.8
	Static tipping load, straight	kg	9529
	Fork level	lbs	21008.1
	Max. height of fork	mm	3148
6	(w/clamp open if applicable)	in	123.9
	Clearance w/full lift, 45 deg dump	mm	2347
7	(if max. dump <> 45)	in	92.4
	, ,	mm	3735
8	Clearance @ full lift fork level	in	147.0
_	Reach w/full lift, 45 deg dump	mm	1833
9	(if max. dump <> 45)	in	72.2
	` '	mm	3394
10	Reach w/lift arm horizontal and fork level	in	133.6
		mm	-92
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	in	-3.6
	140.00	mm	2184
12	Width over tines	in	86.0
	B - 1 0 H1	mm	2808
13	Reach @ ground level	in	111
	M	mm	2914
14	Max. opening across tine and clamp	in	114.7
	Overall height of fork @ full lift and	mm	6883
15	clamp open	in	271.0
	Overall length	mm	9035
16	Tip of tine to rear of machine	in	355.7
	Clearance @ full lift and max. dump	mm	2166
17	Discharge (if <> 45)	in	85.3
40	Clearance w/horizontal lift arms and	mm	1773.9
18	fork level	in	69.8
		mm	2656.8
40	Reach @ full lift and fork level		
19		in	104.6
	Max. discharge angle from horizontal	in deq	104.6 54



<sup>1</sup>11

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

950 LOG



(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, 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

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

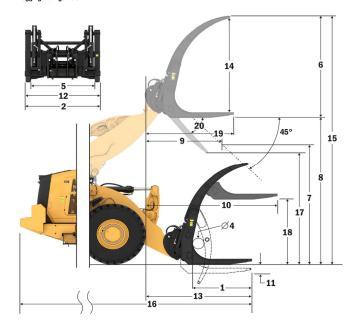
# **Fork Specifications**

Fork Specification	ations
--------------------	--------

Tine length	mm in	1677 66.0
F. 1	mm	2236
Fork width	in	88.0
End area	m2	1.39
End area	ft2	15
Inside Height	mm	0
(only applies to double top clamp)	in	0
Min. opening	mm	330
(only applies to millyard forks)	in	13
Operating Weight	kg	19934
	lbs	43947
Distance inside of tine tips	mm	1904
<u> </u>	in	75
	kg	8774
		19343.1
		10242
		22579.4
		3144
		123.8
		2362
(II max. dump <> 45)		93.0
Clearance @ full lift fork level		3659 144.1
Reach w/full lift, 45 deg dump	mm	1711
(if max. dump <> 45)	in	67.3
Reach w/lift arm horizontal and fork level	mm	3297
Reach while and nonzonial and lork level	in	129.8
*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-168
Cround to Bottom of Tool at Minimum Troight and Tool Edver	in	-6.6
Width over tines	mm	2184
	in	86.0
Reach @ ground level	mm	2765
	in	109
Max. opening across tine and clamp	mm	2914
р	in	114.7
Overall height of fork @ full lift and	mm	6803
clamp open		6803 267.8
clamp open Overall length	mm in mm	6803 267.8 8992
clamp open Overall length Tip of tine to rear of machine	mm in mm in	6803 267.8 8992 354.0
clamp open  Overall length Tip of tine to rear of machine  Clearance @ full lift and max. dump	mm in mm in mm	6803 267.8 8992 354.0 2344
clamp open  Overall length Tip of tine to rear of machine  Clearance @ full lift and max. dump  Discharge (if <> 45)	mm in mm in mm in	6803 267.8 8992 354.0 2344 92.3
clamp open  Overall length  Tip of tine to rear of machine  Clearance @ full lift and max. dump  Discharge (if <> 45)  Clearance w/horizontal lift arms and	mm in mm in mm in mm	6803 267.8 8992 354.0 2344 92.3
clamp open  Overall length Tip of tine to rear of machine  Clearance @ full lift and max. dump  Discharge (if <> 45)  Clearance w/horizontal lift arms and  fork level	mm in mm in mm in mm in mm in	6803 267.8 8992 354.0 2344 92.3 1698.0 66.9
clamp open  Overall length  Tip of tine to rear of machine  Clearance @ full lift and max. dump  Discharge (if <> 45)  Clearance w/horizontal lift arms and	mm in mm in mm in mm in mm in mm mm	6803 267.8 8992 354.0 2344 92.3 1698.0 66.9 2559.3
clamp open  Overall length Tip of tine to rear of machine  Clearance @ full lift and max. dump  Discharge (if <> 45)  Clearance w/horizontal lift arms and  fork level	mm in mm in mm in mm in mm in	6803 267.8 8992 354.0 2344 92.3 1698.0
	(only applies to double top clamp)  Min. opening (only applies to millyard forks)  Operating Weight  Distance inside of tine tips  Static tipping load, articulated Fork level  Static tipping load, straight Fork level  Max. height of fork (w/clamp open if applicable)  Clearance w/full lift, 45 deg dump (if max. dump <> 45)  Clearance @ full lift fork level  Reach w/full lift, 45 deg dump	(only applies to double top clamp)         in           Min. opening         mm           (only applies to millyard forks)         in           Operating Weight         kg           Distance inside of tine tips         mm           Distance inside of tine tips         mm           Static tipping load, articulated         kg           Fork level         lbs           Static tipping load, straight         kg           Fork level         lbs           Max. height of fork         mm           (w/clamp open if applicable)         in           Clearance w/full lift, 45 deg dump         mm           (if max. dump <> 45)         in           Reach w/full lift, 45 deg dump         mm           (if max. dump <> 45)         in           Reach w/lift arm horizontal and fork level         mm           *Ground to Bottom of Tool at Minimum Height and Tool Level         mm           width over tines         mm           Reach @ ground level         mm



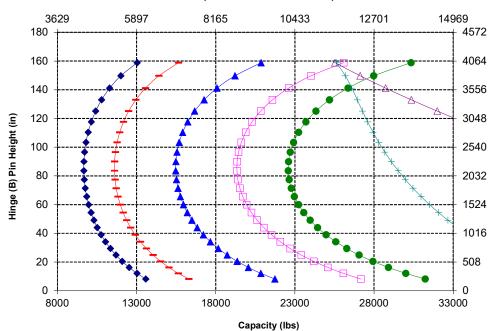
\*Parallel Z-Bar Linkage \*Logging Configuration



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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



(Calculated Load at CG Point)

Engineers
\*\*CEN - European Committee for Standardization

\*SAE - Society of Automotive

or hydraulic limit.

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

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

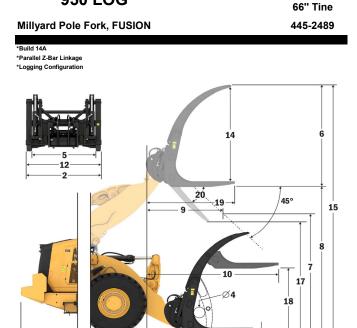
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or beverable limit.

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

#### **Fork Specifications**

1	Tine length	mm in	1677 66.0
_			2236
2	Fork width	mm	88.0
		in m2	1.39
	End area	ft2	1.39
	Inside Height	mm	0
3	(only applies to double top clamp)	in	
	Min. opening	mm	330
4	(only applies to millyard forks)		13
	,	in kg	20496
	Operating Weight	lbs	45186
		mm	1904
5	Distance inside of tine tips	in	75
	Static tipping load, articulated	kg	8102
	Fork level	lbs	17861.
	Static tipping load, straight	kg	9528
	Fork level	lbs	21006.4
	Max. height of fork	mm	3148
6	(w/clamp open if applicable)	in	123.9
	Clearance w/full lift, 45 deg dump	mm	2351
7	(if max. dump <> 45)	in	92.6
	, ,	mm	3735
8	Clearance @ full lift fork level	in	147.0
_	Reach w/full lift, 45 deg dump	mm	1829
9	(if max. dump <> 45)	in	72.0
	` '	mm	3388
10	Reach w/lift arm horizontal and fork level	in	133.4
	*O	mm	-92
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	in	-3.6
42	Width over tines	mm	2184
12	Width over tines	in	86.0
42	Booch @ ground lovel	mm	2801
13	Reach @ ground level	in	110
11	Max. opening across tine and clamp	mm	2914
'*	Max. Opening across line and clamp	in	114.7
15	Overall height of fork @ full lift and	mm	6883
13	clamp open	in	271.0
16	Overall length	mm	9028
	Tip of tine to rear of machine	in	355.5
17	Clearance @ full lift and max. dump	mm	2172
"	Discharge (if <> 45)	in	85.5
18	Clearance w/horizontal lift arms and	mm	1773.9
10	fork level	in	69.8
19	Reach @ full lift and fork level	mm	2650.6
13	Treach to full lift allu lork level	in	104.4
		4	54
20	Max. discharge angle from horizontal	deg	54

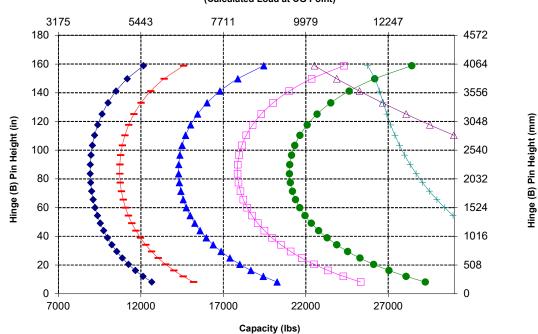


<sup>1</sup>11

\*Negative values indicate below grade

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

950 LOG



(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, Lubricants, and Operator.

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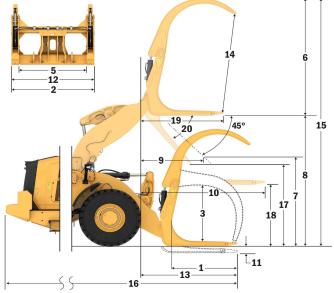
# **Fork Specifications**

Fork	Specifications

гυ	rk Specifications		
1	Tine length	mm in	1609 63.3
		mm	2332
2	Fork width	in	2332 91.8
		m2	1.9
	End area	ft2	20
	Inside Height	mm	1381
3	(only applies to double top clamp)	in	54
	Min. opening	mm	N/A
4	(only applies to millyard forks)	in	N/A
		kg	20367
	Operating Weight	lbs	44902
		mm	1776
5	Distance inside of tine tips	in	70
	Static tipping load, articulated	kg	8748
	Fork level	lbs	19285.0
	Static tipping load, straight	kg	10260
	Fork level	lbs	22619.7
	Max. height of fork	mm	2944
6	(w/clamp open if applicable)	in	115.9
_	Clearance w/full lift, 45 deg dump	mm	2628
7	(if max. dump <> 45)	in	103.5
_		mm	3762
8	Clearance @ full lift fork level	in	148.1
9	Reach w/full lift, 45 deg dump	mm	1589
9	(if max. dump <> 45)	in	62.6
40	Reach w/lift arm horizontal and fork level	mm	3022
10	Reach while and nonzoneal and lork level	in	119.0
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-65
• • •	Ground to Bottom of Tool at Millimum Height and Tool Level	in	-2.6
12	Width over tines	mm	2298
12	Width over tines	in	90.5
13	Reach @ ground level	mm	2416
	rreach & ground level	in	95
11	Max. opening across tine and clamp	mm	2542
		in	100.1
15	Overall height of fork @ full lift and	mm	6705
	clamp open	in	264.0
16	Overall length	mm	8643
	Tip of tine to rear of machine	in	340.3
17	Clearance @ full lift and max. dump	mm	2613
	Discharge (if <> 45)	in	102.9
18	Clearance w/horizontal lift arms and	mm	1800.7
	fork level	in	70.9
19	Reach @ full lift and fork level	mm	2285.1
	-	in	90.0
20	Max. discharge angle from horizontal	deg	46
	· ·	rad	0.8



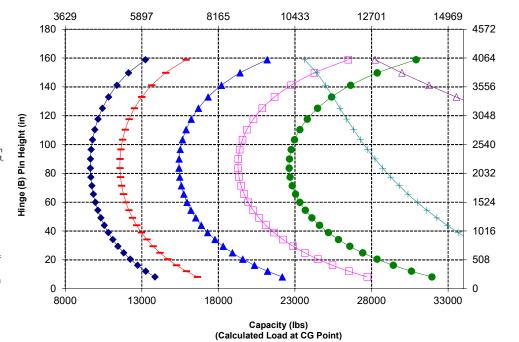
950 LOG



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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



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

---- Hydraulic Lift Capacity

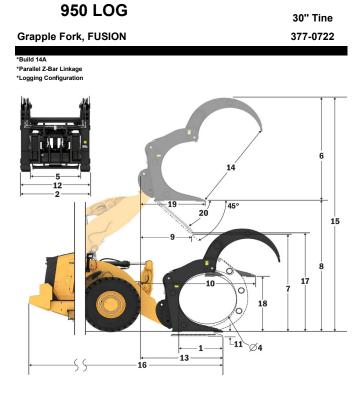
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\*\*CEN - European Committee for Standardization

#### **Fork Specifications**

	ik opecilications		
1	Tine length	mm in	762 30.0
_	Entrod III	mm	1846
2	Fork width	in	72.7
	End area	m2	2
	Ellu alea	ft2	22
3	Inside Height	mm	0
	(only applies to double top clamp)	in	0
4	Min. opening	mm	1336
	(only applies to millyard forks)	in	53
	Operating Weight	kg	20390
	——————————————————————————————————————	lbs	44952
5	Distance inside of tine tips	mm	1314
	<u> </u>	in	52
	Static tipping load, articulated	kg	8420
	Fork level	lbs	18563.4
	Static tipping load, straight	kg	9882
	Fork level	lbs	21786.6
6	Max. height of fork	mm	2317
	(w/clamp open if applicable)	in	91.2
7	Clearance w/full lift, 45 deg dump	mm	3106
	(if max. dump <> 45)	in	122.3
8	Clearance @ full lift fork level	mm	3675
		in	144.7
9	Reach w/full lift, 45 deg dump	mm	989
	(if max. dump <> 45)	in	38.9
10	Reach w/lift arm horizontal and fork level	mm	2260
		in	89.0
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-152
		in	-6.0
12	Width over tines	mm	1832
		in	72.1 1717
13	Reach @ ground level	mm	
		in	68
14	Max. opening across tine and clamp	mm	2785
	Overall height of fork @ full lift and	in	109.6
15		mm	5991
	clamp open Overall length	in mm	235.9
16	Tip of tine to rear of machine		7944
	Clearance @ full lift and max. dump	in	312.8
17	Discharge (if <> 45)	mm	3033
	Clearance w/horizontal lift arms and	in mm	119.4 1713.8
18	fork level	in	1713.8 67.5
	IOIK ICVCI	mm	1522.6
19	Reach @ full lift and fork level	in	1522.6 59.9
			59.9
20	Max. discharge angle from horizontal	deg rad	1.0
		rau	1.0



# → Payload (BAE J1197) → Payload (BEN EN 474.3 - Rough Terrain) → Payload (CEN EN 474.3 - Frm & Level) → State Tennique Load - Articulated

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

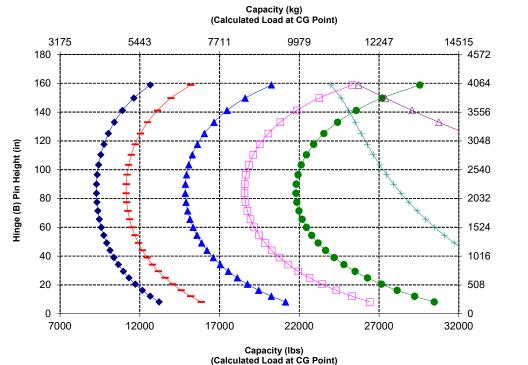
-A-Hydraulic Tilt Capacit

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.
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Hinge (B) Pin Height (mm)

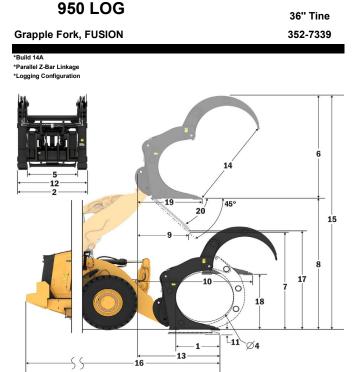
<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

**Fork Specifications** 

1	Tine length	mm	917
_		in	36.1
2	Fork width	mm	1855
_	1 OIK WIGHT	in	73.0
	End area	m2	2.5
	Liid alea	ft2	27
3	Inside Height	mm	0
J	(only applies to double top clamp)	in	0
4	Min. opening	mm	1450
7	(only applies to millyard forks)	in	57
	Operating Weight	kg	20605
	Operating Weight	lbs	45426
5	Distance inside of tine tips	mm	1314
3	Distance inside of tine tips	in	52
	Static tipping load, articulated	kg	8102
	Fork level	Ibs	17861.
	Static tipping load, straight	kg	9542
	Fork level	lbs	21035.
6	Max. height of fork	mm	3433
ø	(w/clamp open if applicable)	in	135.1
7	Clearance w/full lift, 45 deg dump	mm	3023
1	(if max. dump <> 45)	in	119.0
R	0	mm	3674
×	Clearance @ full lift fork level		





Hinge (B) Pin Height (mm)

20 Max, discharge angle from horizontal

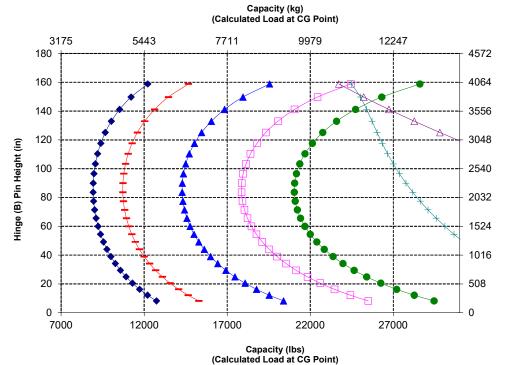


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deg 57

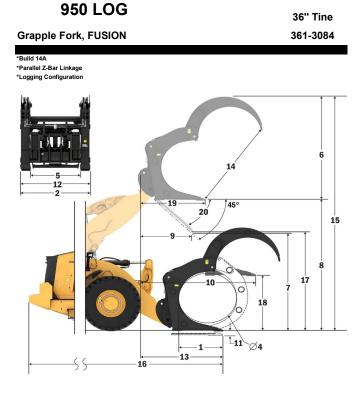
rad

1.0

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

#### **Fork Specifications**

	ik opecilications		
1	Tine length	mm in	917 36.1
		mm	1855
2	Fork width	in	73.0
		m2	2.5
	End area	ft2	27
_	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	21029
	Operating Weight	lbs	46361
_	5.7	mm	1314
5	Distance inside of tine tips	in	52
	Static tipping load, articulated	kg	7472
	Fork level	lbs	16471.8
	Static tipping load, straight	kg	8869
	Fork level	lbs	19552.5
_	Max. height of fork	mm	3436
6	(w/clamp open if applicable)	in	135.3
7	Clearance w/full lift, 45 deg dump	mm	2953
'	(if max. dump <> 45)	in	116.3
8	Clearance @ full lift fork level	mm	3674
٥	Clearance @ full filt lork level	in	144.7
9	Reach w/full lift, 45 deg dump	mm	1141
	(if max. dump <> 45)	in	44.9
10	Reach w/lift arm horizontal and fork level	mm	2476
	Trouble II	in	97.5
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-153
•••	Croana to Bottom or roof at miniman riolgit and roof 2010	in	-6.0
12	Width over tines	mm	1850
		in	72.8
13	Reach @ ground level	mm	1934
		in	76
14	Max. opening across tine and clamp	mm	3123
		in	123.0
15	Overall height of fork @ full lift and	mm	7111
	clamp open	in	279.9
16	Overall length	mm	8161
	Tip of tine to rear of machine	in	321.3
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm	2845
	Clearance w/horizontal lift arms and	in	112.0
18	fork level	mm	1713.3
	IOLIV IGAGI	in mm	67.5
19	Reach @ full lift and fork level	in	1739.1 68.5
			59
20	Max. discharge angle from horizontal	deg rad	1.0
		rau	1.0



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

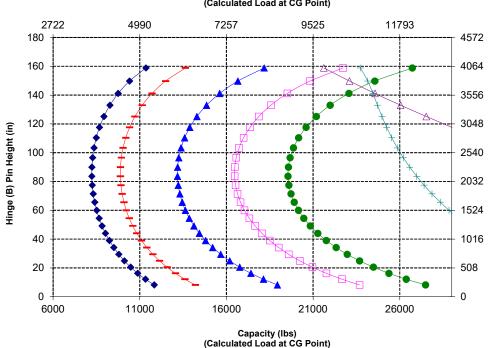


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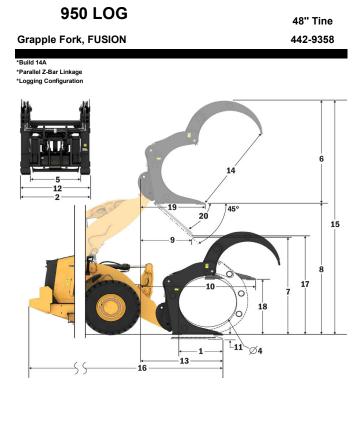
Hinge (B) Pin Height (mm)

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

### **Fork Specifications**

**Fork Specifications** 

1	Tine length	mm	1220
	Tille length	in	48.0
2	Fork width	mm	1855
	1 OIK WIGHT	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
		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
		in	106.6
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-80
	<u> </u>	in	-3.2
12	Width over tines	mm	1850
		in	72.8
13	Reach @ ground level	mm	2111
		in	83
14	Max. opening across tine and clamp	mm	3027
	I A see one one comb	in	119.2



Hinge (B) Pin Height (mm)

20 Max. discharge angle from horizontal

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

clamp open

Overall length

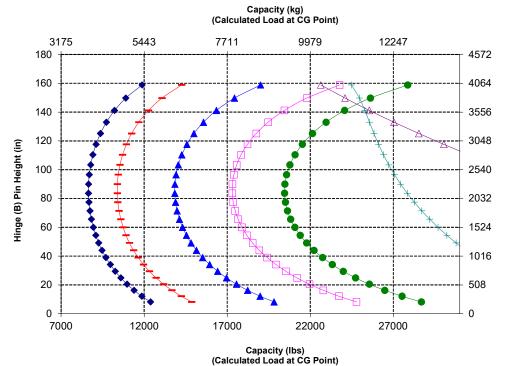


**NOTE:** Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator,

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\*\*CEN - European Committee for Standardization



7103

279 7

8338 mm

328.3

1786.0

70.3 1969.4

77.5

1.0

in

mm 2707 106.6

in

mm

in

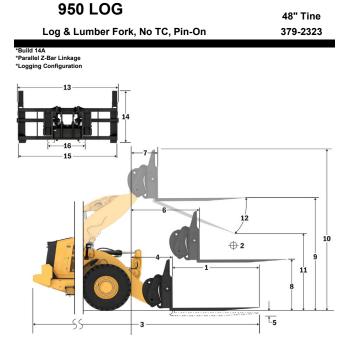
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rad

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

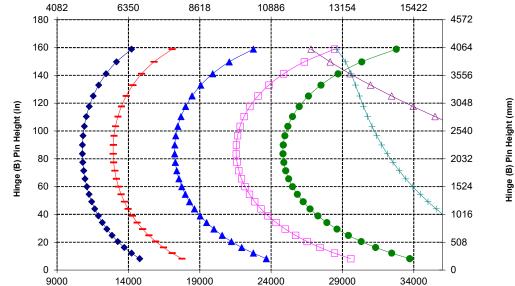
#### **Fork Specifications**

	· · · · · · · · · · · · · · · · · · ·		
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	11263
	otatio ripping coda otraight (romo coron)	lbs	24823
	Static Tipping Load - Articulated (Forks Level)	kg	9775
_	· · · · · · · · · · · · · · · · · · ·	lbs kg	21545 4888
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	10773
	- · · · · · · · · · · · · · · · · · · ·	kg	5865
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	12927
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	7820
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	17236
3	Maximum Overall Length	mm	8567
_	IVIAXIIIIUIII Overaii Lerigui	in	337.3
4	Reach with Forks at Ground Level	mm	1121
_	Trouble Main onto at Oroana 2010	in	44.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
_	<del></del>	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	1667
		in	65.6 930
7	Reach with Fork at Maximum Height	mm in	36.6
_		mm	1848
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.8
_	Construction of Time of Manifestory United and Foots Level	mm	3809
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5345
10	Overall Height of Fork at Full Lift (top of carnage to ground)	in	210.4
11	Clearance at Full Lift and Max Dump	mm	2698
•••	Oldarando at Fair Ent and Max Bamp	in	106.2
12	Max Discharge Angle from Horizontal	deg	46
13	Overall Carriage Width	mm	2470 97.3
	<u> </u>	in mm	1601
14	Overall Carriage Height	in	63.0
		mm	2366
15	Outside Tine Width (max spread)	in	93.1
40	Outside Time Middle (sein seussal)	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	65.0
	THE THORICO	in	2.6
	Tine Capacity	kg	10500
	···· sepecy	lbs	23142
	Operating Weight	kg	19031
	-1 5 5	lbs	41945



\*Negative values indicate below grade

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



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, 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.

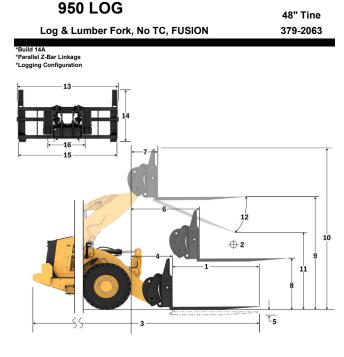
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



# **Fork Specifications**

#### **Fork Specifications**

	nk opcomeditions		
1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Edda Genter	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	10594
	,	lbs kg	23350 9148
	Static Tipping Load - Articulated (Forks Level)	lbs	20161
		ka	4574
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	10081
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5489
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)	lbs	12097
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7318
	Trated Load (OLIV LIV 474-51 IIIII and Level Gloding - 60% 1 101L)	lbs	16129
3	Maximum Overall Length	mm	8653
	maximum o vorain zongan	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 in	-81 -3.2
	<del>-</del>	mm	1755
6	Reach with Arms Horizontal and Forks Level	in	69.1
_		mm	1018
7	Reach with Fork at Maximum Height	in	40.1
_	0 11 7 17 11 11 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
"	Ground to Top of Time at Maximum Height and Pork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5350
	everall rieight of rent at rail Ent (top of earnage to ground)	in	210.6
11	Clearance at Full Lift and Max Dump	ḿш	2572
	•	in	101.3
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 11 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	65.0
	THE THORICO	in	2.6
	Tine Capacity	kg	10500
		lbs	23142
	Operating Weight	kg	19534
	-1 5 5	lbs	43054



\*Negative values indicate below grade

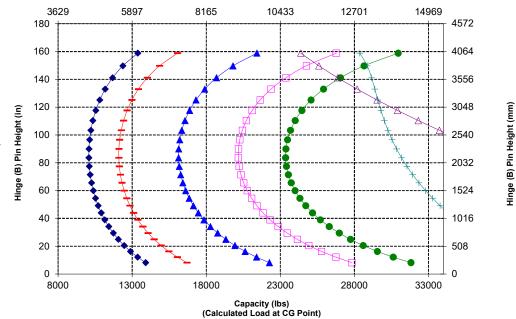
### Capacity (kg) (Calculated Load at CG Point)



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

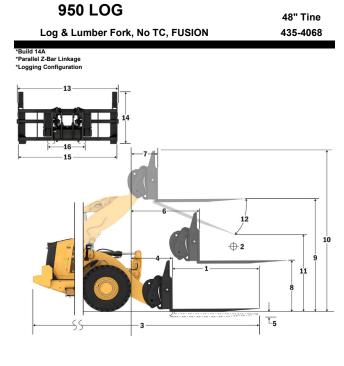
\*SAE - Society of Automotive Engineers
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#### **Fork Specifications**

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	10587
	otatio ripping 2000 ottaignt (1 onto 2010)	lbs	23335
	Static Tipping Load - Articulated (Forks Level)	kg	9144
_	· · · · · · · · · · · · · · · · · · ·	lbs kg	20152 4572
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	10076
	D + 11	kg	5486
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	12091
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7315
	Nated Load (CEN EN 474-3 Film and Level Glound - 80 % F131L)	lbs	16122
3	Maximum Overall Length	mm	8660
_	Maximum Overali Length	in	340.9
4	Reach with Forks at Ground Level	mm	1214
	<u> </u>	in	47.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
		in mm	-3.2 1761
6	Reach with Arms Horizontal and Forks Level	in	69.3
_		mm	1024
7	Reach with Fork at Maximum Height	in	40.3
8	Cround to Ton of Tine with Arms Herizontal and Fork Lavel	mm	1850
ŏ	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
_	Ground to Top of Time at Maximum Holght and Fork Edver	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5347
		in	210.5
11	Clearance at Full Lift and Max Dump	mm	2567 101.1
	·	in	
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2176
	Overall burnage vitati	in	85.7
14	Overall Carriage Height	mm	1601
		in	63.0
15	Outside Tine Width (max spread)	mm in	2084 82.0
	* * *	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	The AMC MAR (single About	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	65.0
	THE THICKNESS	in	2.6
	Tine Capacity	kg	10500
	- Timo Supusity	lbs	23142
	Operating Weight	kg	19514
	-r	lbs	43010



\*Negative values indicate below grade

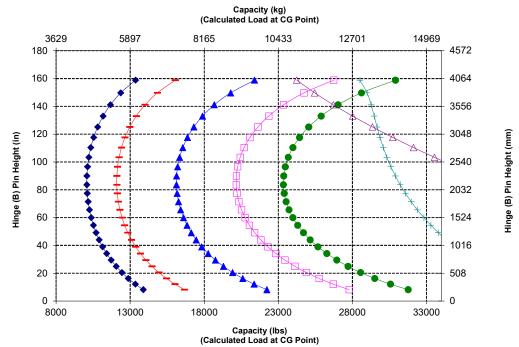


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

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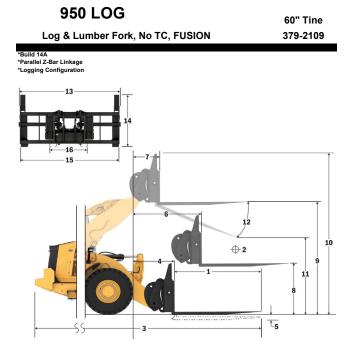




# **Fork Specifications**

#### **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	9860
	Static ripping Load - Straight (Forks Level)	lbs	2173
	Static Tipping Load - Articulated (Forks Level)	kg	8489
		lbs	1870
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4244 9354
		lbs kg	5093
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	1122
	Detect Lead (OEN EN 474 O Firms and Level Occurs 4, 000/, ETOTI )	ka	6791
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	1496
3	Maximum Overall Length	mm	9007
_	Waximum Overali Lengui	in	354.
4	Reach with Forks at Ground Level	mm	1256
_	Trought Mari Sino at Ground 2010	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
-	· <u> </u>	in	-3.2
6	Reach with Arms Horizontal and Forks Level	mm in	1786 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
	Overall resigns of total all Elit (top or earliage to ground)	in	210.
11	Clearance at Full Lift and Max Dump	mm	2315
	<u> </u>	in	91.1
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2470
		in	97.3
14	Overall Carriage Height	mm	1603 63.1
		in mm	2366
15	Outside Tine Width (max spread)	in	93.1
	O / : 1 T	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.
	Title Width (Single title)	in	7.1
	Tine Thickness	mm	90.0
	THE THORICO	in	3.5
	Tine Capacity	kg	1590
	* 1 - 7	lbs	3505
	Operating Weight	kg	1973
		lbs	4349



\*Negative values indicate below grade

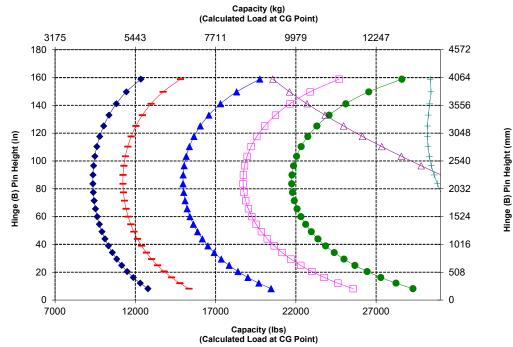


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

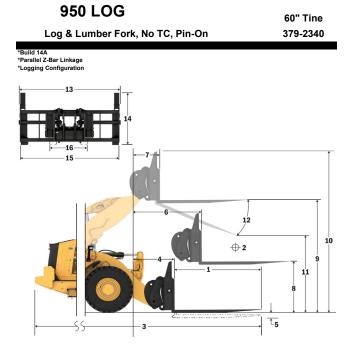
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#### **Fork Specifications**

_	ik opcomoutions		
1	Tine Length	mm in	1524 60.0
_		mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	10478
	Static ripping Load - Straight (Forks Level)	lbs	23094
	Static Tipping Load - Articulated (Forks Level)	kg	9071
	11 0 7	lbs	19993
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4536 9996
		ka	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)	ka	7257
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F151L)	lbs	15994
3	Maximum Overall Length	mm	8915
	Waxiinum Overali Lengtii	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	-83 -3.3
	<del>-</del>	in mm	1692
6	Reach with Arms Horizontal and Forks Level	in	66.6
_	D 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
۰	Ground to Top of 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 of Timo at Maximan Trongitt and Tork 2010	in	151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	ḿш	5345
_		in	210.4 2461
11	Clearance at Full Lift and Max Dump	mm in	96.9
12	Max Discharge Angle from Horizontal	deg	46
12	Overall Carriage Width	mm	2470
13	Overall Carriage Width	in	97.3
14	Overall Carriage Height	mm	1601
		in	63.0
15	Outside Tine Width (max spread)	mm	2366
		in mm	93.1
16	Outside Tine Width (min spread)	in	39.4
	T: \M(:-lat- (-:1- 4:)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	1590
	тиго очриону	lbs	35057
	Operating Weight	kg	19232
	zt.::::::::::::::::::::::::::::::::::::	lbs	42388



\*Negative values indicate below grade

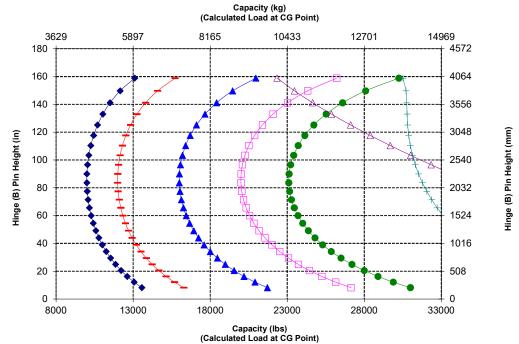


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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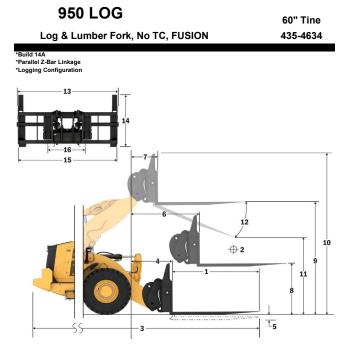




# **Fork Specifications**

#### **Fork Specifications**

	ik opecilications		
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	9854
	Otatio ripping Load - Otraight (Forto Level)	lbs	21718
	Static Tipping Load - Articulated (Forks Level)	kg	8486
	11 5 ( )	lbs	18702
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4243
	<u> </u>	lbs kg	9351 5091
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11221
		ka	6788
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14962
_	W : 0 III II	mm	9007
3	Maximum Overall Length	in	354.6
4	Reach with Forks at Ground Level	mm	1256
4	Reach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
3	Ground to Bottom or Time at Minimum Height and Fork Level	in	-3.2
6	Reach with Arms Horizontal and Forks Level	mm	1786
	Treadil Will 7 till 5 Florizontal and 1 onto Edver	in	70.3
7	Reach with Fork at Maximum Height	mm	1049
		in	41.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1875
_	· '	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3836
	<u> </u>	in mm	151.0 5347
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.5
		mm	2315
11	Clearance at Full Lift and Max Dump	in	91.1
40	Mary Disabassas As als form Harimantal		
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2176 85.7
	<del>-</del>	in mm	1601
14	Overall Carriage Height	in	63.0
		mm	2084
15	Outside Tine Width (max spread)	in	82.0
	O T	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	Tille Width (Siligle tille)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	15906
	тие оприску	lbs	35057
	Operating Weight	kg	19715
	opolating resignt	lbs	43453



\*Negative values indicate below grade

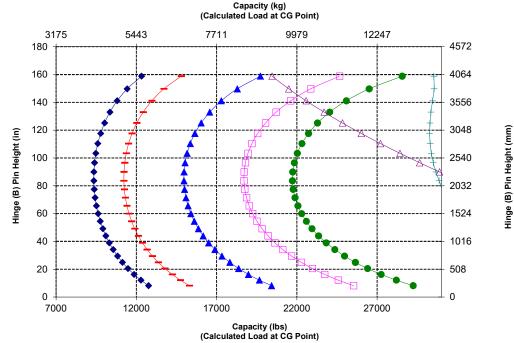


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

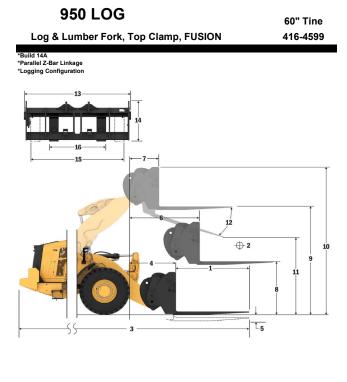
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#### **Fork Specifications**

	nk opecifications		
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 Tipping Load - Straight (Forks Level)	lbs	21385
	Static Tipping Load - Articulated (Forks Level)	kg	8353
	otatio ripping zona i rittoatatoa (rionto zoror)	lbs	18410
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4177
	,	lbs	9205
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5012 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
_	D 1 71 F 1 10 11 1	mm	1270
4	Reach with Forks at Ground Level	in	50.0
-	*Od to Bottom of Time at Minimum Height and Fould and	mm	-70
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.8
6	Reach with Arms Horizontal and Forks Level	mm	1826
•	Reach with Airis Honzontal and Porks Level	in	71.9
7	Reach with Fork at Maximum Height	mm	1089
	Trought	in	42.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1860
	Ordana to Top of Time with 74th of Honzontal and Tork Level	in	73.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3821
	· ' '	in	150.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5336
	· · · · · · · · · · · · · · · · · · ·	in	210.1 2420
11	Clearance at Full Lift and Max Dump	mm in	95.3
12	Max Discharge Angle from Horizontal	deg	44
13	Overall Carriage Width	mm	2537
	g	in	99.9
14	Overall Carriage Height	mm	1578
		in	62.1
15	Outside Tine Width (max spread)	mm in	2339 92.1
		mm	742
16	Outside Tine Width (min spread)	in	29.2
		mm	203.2
	Tine Width (single tine)	in	8.0
	Time Thistoness	mm	63.5
	Tine Thickness	in	2.5
	Tino Canacity	kg	7170
	Tine Capacity	lbs	15803
	Operating Weight	kg	19734
	Operating Weight	lbs	43494



\*Negative values indicate below grade

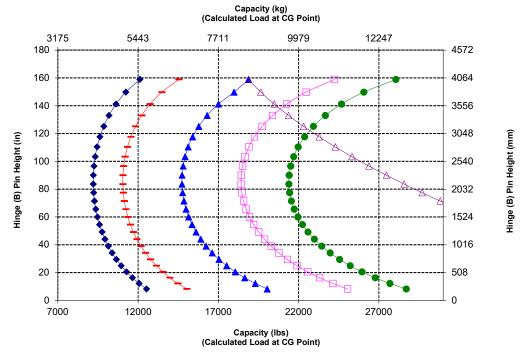


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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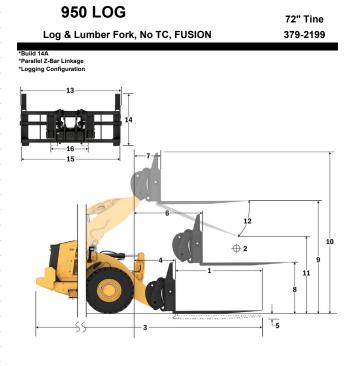




# **Fork Specifications**

#### **Fork Specifications**

10	ik opecilications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9369
	Otatio ripping Load - Otraight (1 Onto Level)	lbs	20649
	Static Tipping Load - Articulated (Forks Level)	kg	8057
	· · · · · · · · · · · · · · · · · · ·	lbs kg	17757 4028
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8879
	D + 11	kg	4834
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10654
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6445
	Nated Load (OEN EN 474-31 IIIII and Level Glound - 00 /01 101E)	lbs	14206
3	Maximum Overall Length	mm	9312
	maximum o voraii zongin	in	366.6
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
		mm	1786
6	Reach with Arms Horizontal and Forks Level	in	70.3
7	Reach with Fork at Maximum Height	mm	1049
'	Reach with Fork at Maximum Height	in	41.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1875
	Ground to rop or time with runio fronzontal and ronk zever	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3836
		in	151.0 5350
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	210.6
		mm	2081
11	Clearance at Full Lift and Max Dump	in	81.9
12	Max Discharge Angle from Horizontal	deg	50
-12	Max discharge Angle Iron Florizontal		
13	Overall Carriage Width	mm	2470
		in	97.3
14	Overall Carriage Height	mm in	1603 63.1
		mm	2366
15	Outside Tine Width (max spread)	in	93.1
	O 1 11 T MC H / 1 D	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	Time Tridui (Single time)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	12600
_	· · ·	lbs	27770
	Operating Weight	kg lbs	19797 43633
		เมร	43033



\*Negative values indicate below grade

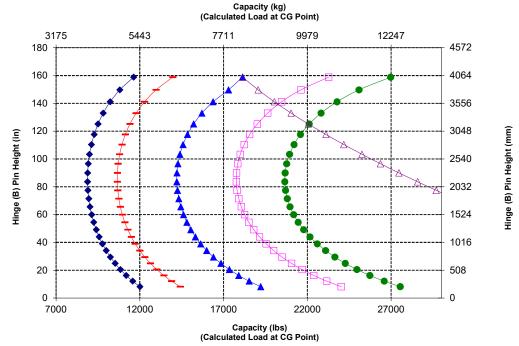


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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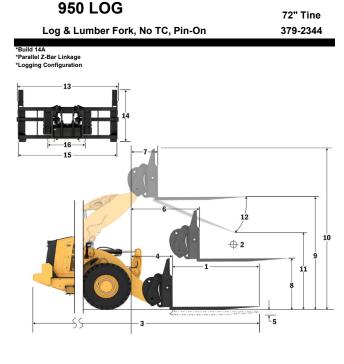
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

nk opecifications		
Tine Length	mm in	1829 72.0
Load Center	mm	915
Load Certici	in	36.0
Static Tipping Load - Straight (Forks Level)		9950
,		21929 8605
Static Tipping Load - Articulated (Forks Level)		18965
Poted Load (SAE 11107 FOR/ ETCTL)	kg	4302
Raied Load (SAE 31197 - 50% F151L)	lbs	9483
Rated Load (CEN EN 474-3 Rough Terrain - 60% ETSTL)	kg	5163
Traise Essa (SETTER TO TO TO AND TO TO TO TE TE		11379
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		6884
		15172 9219
Maximum Overall Length		363.0
Beach with Forks at Cround Level	mm	1163
Reach with Porks at Ground Level	in	45.8
*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
Cround to Bottom of Time at William and Floright and Fork Edver		-3.3
Reach with Arms Horizontal and Forks Level		1692
		66.6 955
Reach with Fork at Maximum Height		37.6
		1873
Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.8
Ground to Top of Tipe at Maximum Height and Fork Lavel	mm	3834
Ground to Top of Time at Maximum Height and Fork Level	in	151.0
Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5345
		210.4
Clearance at Full Lift and Max Dump	mm in	2243 88.3
Max Discharge Angle from Horizontal	deg	46
Overall Carriage Width	mm	2470
		97.3
Overall Carriage Height		1601 63.0
		2366
Outside Tine Width (max spread)		93.1
Outside Tine Width (min enreed)	mm	1002
Outside Tine Width (min spread)	in	39.4
Tine Width (single tine)	mm	180.0
This Trial (ongle the)	in	7.1
Tine Thickness		90.0
		3.5
Tine Capacity		12600 27770
		19294
Operating Weight		42525
	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

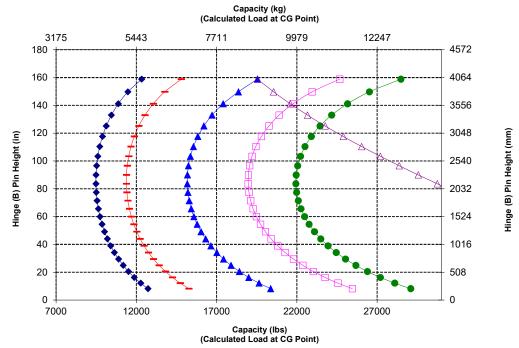


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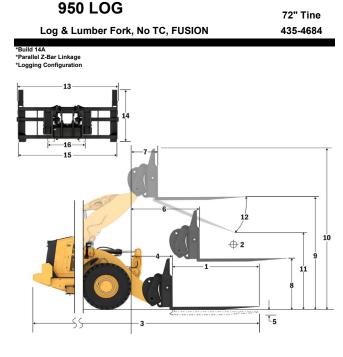




# **Fork Specifications**

#### **Fork Specifications**

	nk opecifications		
1	Tine Length	mm in	1829 72.0
_	Load Center	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9364
	Claire Tipping 2000 Chaight (1 Onto 2010)	lbs	20639
	Static Tipping Load - Articulated (Forks Level)	kg	8055 17752
		lbs ka	4027
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8876
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4833
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	10651
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6444
	Trained Edda (OETT ETT TO TIME and Edvar Ground Governore)	lbs	14202
3	Maximum Overall Length	mm	9312
		in mm	366.6 1256
4	Reach with Forks at Ground Level	in	49.4
_		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
0	Reach with Airis Honzontal and Porks Level	in	70.3
7	Reach with Fork at Maximum Height	mm	1049
_		in	41.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1875 73.8
	<u> </u>	in mm	3836
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.0
	0 1111111111111111111111111111111111111	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
	Clearance at Full Lift and Max Dump	in	81.9
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm in	2176
		mm	85.7 1601
14	Overall Carriage Height	in	63.0
45	O. 4-1-1- Time \M(1-14) (	mm	2084
15	Outside Tine Width (max spread)	in	82.0
16	Outside Tine Width (min spread)	mm	1002
	Outside Title Width (Hill Spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	, ,	in	7.1
	Tine Thickness	mm in	90.0 3.5
		kg	12600
	Tine Capacity	lbs	27770
	Operating Weight	kg	19777
	Operating Weight	lbs	43589



\*Negative values indicate below grade



→ Static Tipping Load - Straight

→ Hydraulic Tilt Capacity

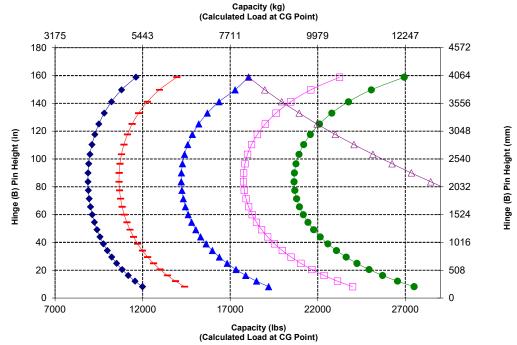
→ Hydraulic Lift Capacity

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

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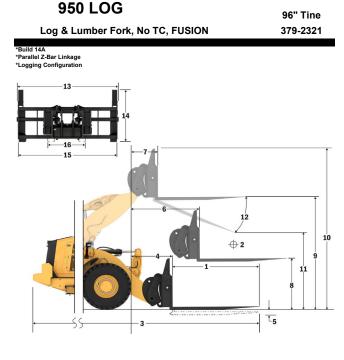
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#### **Fork Specifications**

0	K Opcomoutions		
1	Tine Length	mm in	2438 96.0
_	1 1 0	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8487
	Citato Tipping Load - Citatgrit (1 Onto Level)	lbs	18706
	Static Tipping Load - Articulated (Forks Level)	kg	7280
	, ,	lbs	16045 3640
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	8022
		ka	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 - 80 % F131L)	lbs	12836
3	Maximum Overall Length	mm	9922
_	maximum o roraii zongin	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 in	-81 -3.2
_		mm	1787
6	Reach with Arms Horizontal and Forks Level	in	70.3
7	Reach with Fork at Maximum Height	mm	1049
′	Reach with Fork at Maximum neight	in	41.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1875
	Croana to rop or time marrame riorizonar and rom zoror	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3836
	<u> </u>	in	151.0 5350
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	210.6
	0	mm	1614
11	Clearance at Full Lift and Max Dump	in	63.6
12	Max Discharge Angle from Horizontal	deg	50
12	Wax Discharge Angle Iron Florizonial	ueg	
13	Overall Carriage Width	mm	2470
		in	97.3
14	Overall Carriage Height	mm in	1603 63.1
		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
	Time Triadi (emgle and)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
		l con	
	Tine Capacity	kg	10100
	Tine Capacity Operating Weight	kg Ibs kg	10100 22260 19925



\*Negative values indicate below grade



—Static Tipping Load - Straight

—
—Hydraulic Tilt Capacity

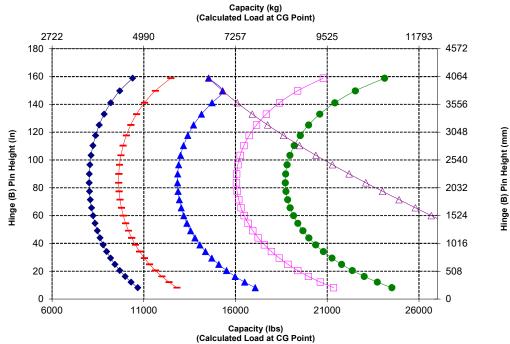
—Hydraulic Lift Capacity

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

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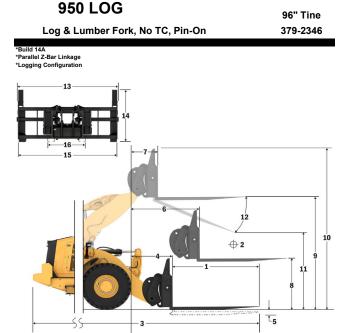
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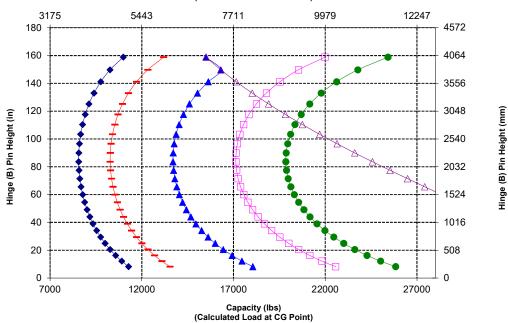
# **Fork Specifications**

#### **Fork Specifications**



\*Negative values indicate below grade

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



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

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CEN EN 474-3: 80% 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.

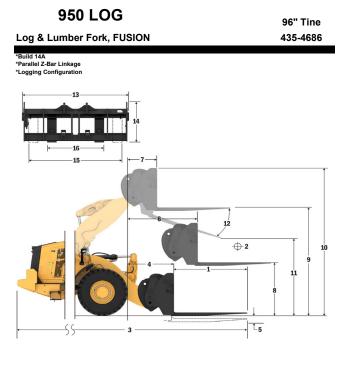
CEN EN 474-3: 80% of full turn stati tipping load on firm and level ground or hydraulic limit.

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#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8484
	11 0 0 0	lbs kg	18699 7279
	Static Tipping Load - Articulated (Forks Level)	lbs	16042
	D-4-414/0AE 14407 F00/ ETCTL)	kg	3639
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8021
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4367
		lbs	9625
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	5823 12834
_		mm	9922
3	Maximum Overall Length	in	390.6
4	Reach with Forks at Ground Level	mm	1257
	Treach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
_		in mm	-3.2 1787
6	Reach with Arms Horizontal and Forks Level	in	70.3
7	Reach with Fork at Maximum Height	mm	1049
′	Reach with Fork at Maximum Height	in	41.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1875
_	Croana to rop or rino marramo riorizonar ana rom zovor	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3836 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	1614
•••	Oldarando at Fair Lint and Max Barrip	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
15	Outside Tine Width (max spread)	mm	2084
13	Outside Title Width (Max spread)	in	82.0
16	Outside Tine Width (min spread)	mm	1002
		in mm	39.4 180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	Title Thickness	in	3.5
	Tine Capacity	kg	10100
	inc sepecty	lbs	22260
	Operating Weight	kg	19905 43871
	· · ·	lbs	438/1



\*Negative values indicate below grade



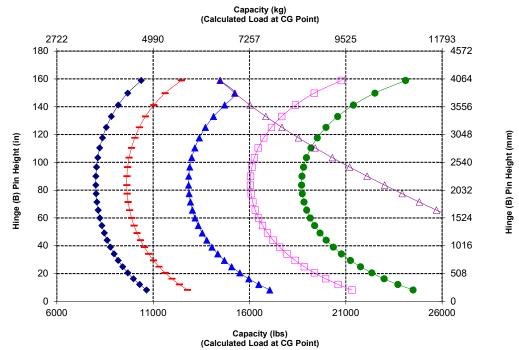
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

--- Hydraulic Lift Capacity

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

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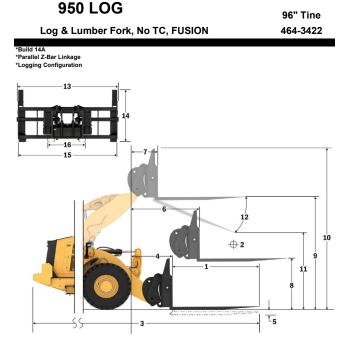




# **Fork Specifications**

#### **Fork Specifications**

	nk opecifications		
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	8386
	Otatic Tipping Load - Otraight (Forks Level)	lbs	18483
	Static Tipping Load - Articulated (Forks Level)	kg	7189
	(	lbs	15844
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3594
		lbs	7922 4313
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	9507
		ka	5751
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12675
_	W : 0	mm	9954
3	Maximum Overall Length	in	391.9
4	Reach with Forks at Ground Level	mm	1289
4	Reach with Forks at Ground Level	in	50.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-89
	Glodila to Bottom of Time at William Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1813
_	Trought Wall / Willow For Earlier and For to Earlier	in	71.4
7	Reach with Fork at Maximum Height	mm	1076
		in	42.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1867 73.5
		mm	3828
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.7
		mm	5262
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	207.2
11	Olasson as at Evil Life and May Down	mm	1782
11	Clearance at Full Lift and Max Dump	in	70.2
12	Max Discharge Angle from Horizontal	deg	44
13	Overall Carriage Width	mm	2812
		in mm	110.7 1524
14	Overall Carriage Height	in	60.0
		mm	2697
15	Outside Tine Width (max spread)	in	106.2
40	Outside Time (Midtle (using sourced))	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
	1110 1110111000	in	3.5
	Tine Capacity	kg	10100
	- 1 /	lbs	22260
	Operating Weight	kg	19956
	-1 5 5	lbs	43984



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.

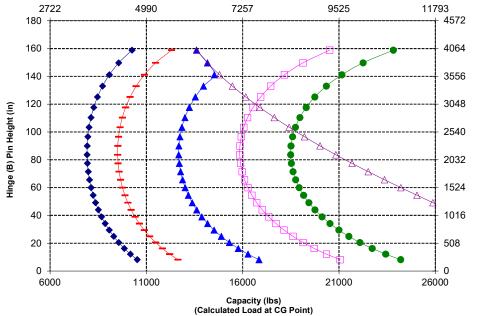
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CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground.

tipping load on firm and level ground or hydraulic limit.

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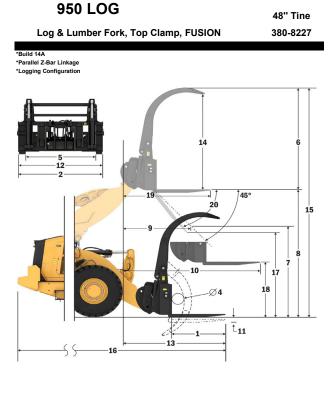
### Capacity (kg) (Calculated Load at CG Point)





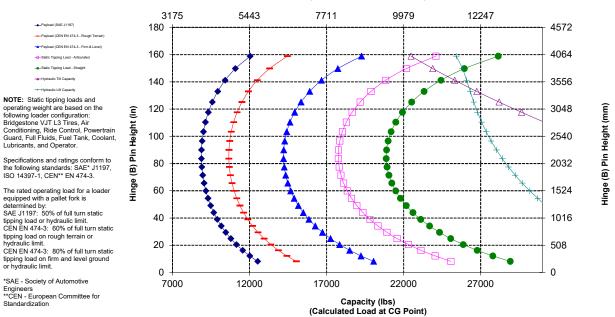
#### **Fork Specifications**

_	nk opcomoduono	mm	1219
1	Tine length	mm in	48.0
_	- · · · · ·	mm	1893
2	Fork width	in	74.5
	F-4	m2	1.45
	End area	ft2	16
3	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
4	Min. opening	mm	325
4	(only applies to millyard forks)	in	13
	Operating Weight	kg	20468
	Operating Weight	lbs	45124
5	Distance inside of tine tips	mm	1409
_	<u> </u>	in	55
	Static tipping load, articulated	kg	8058
	Fork level	lbs	17763.6
	Static tipping load, straight	kg	9467
	Fork level	lbs	20871.1
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 in	-96 -3.8
		mm	1769
12	Width over tines	in	69.6
		mm	2595
13	Reach @ ground level	in	102
		mm	2635
14	Max. opening across tine and clamp	in	103.7
4-	Overall height of fork @ full lift and	mm	6664
15	clamp open	in	262.3
16	Overall length	mm	8822
16	Tip of tine to rear of machine	in	347.3
17	Clearance @ full lift and max. dump	mm	2348
17	Discharge (if <> 45)	in	92.5
18	Clearance w/horizontal lift arms and	mm	1770.6
10	fork level	in	69.7
10	Reach @ full lift and fork level	mm	2387.5
19	IVeach (in line and lork level	in	94.0
20	Max. discharge angle from horizontal	deg	57
20	wax. discharge angle nom nonzonial	rad	1.0
	Tine Capacity	kg	14100
	···	lbs	31076



- Payload (CEN EN 474-3 - Rough Ter ad (CEN EN 474-3 - Firm & Level

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



\*SAE - Society of Automotive

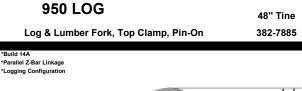
Engineers
\*\*CEN - European Committee for Standardization

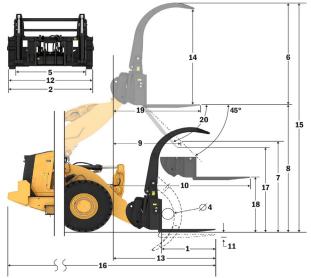
<sup>\*</sup>Negative values indicate below grade

# **Fork Specifications**

#### **Fork Specifications**

	ik Specifications		
1	Tine length	mm in	1219
_		mm	48.0 1923
2	Fork width	in	75.7
		m2	1.45
	End area	ft2	1.45
	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
	Min. opening	mm	325
4	(only applies to millyard forks)	in	13
		kg	19951
	Operating Weight	lbs	43985
_		mm	1409
5	Distance inside of tine tips	in	55
_	Static tipping load, articulated	kg	8781
	Fork level	lbs	19358.1
	Static tipping load, straight	kg	10246
	Fork level	lbs	22588.6
6	Max. height of fork	mm	2932
ь	(w/clamp open if applicable)	in	115.4
7	Clearance w/full lift, 45 deg dump	mm	2618
1	(if max. dump <> 45)	in	103.1
	Clearance & full lift facts level	mm	3732
8	Clearance @ full lift fork level	in	146.9
9	Reach w/full lift, 45 deg dump	mm	1557
9	(if max. dump <> 45)	in	61.3
10	Reach w/lift arm horizontal and fork level	mm	3007
10	Reach whilt aim nonzontal and lork level	in	118.4
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-95
•••	Ground to Bottom or 1001 at Milliminan Fleight and 1001 Level	in	-3.8
12	Width over tines	mm	1769
12	Width over tines	in	69.6
12	Reach @ ground level	mm	2477
	Neach @ ground level	in	98
14	Max. opening across tine and clamp	mm	2635
1	Max. opening across tine and clamp	in	103.7
15	Overall height of fork @ full lift and	mm	6664
	clamp open	in	262.3
16	Overall length	mm	8704
.0	Tip of tine to rear of machine	in	342.7
17	Clearance @ full lift and max. dump	mm	2603
.,	Discharge (if <> 45)	in	102.5
18	Clearance w/horizontal lift arms and	mm	1770.7
	fork level	in	69.7
19	Reach @ full lift and fork level	mm	2270.1
.,		in	89.4
20	Max. discharge angle from horizontal	deg	46
20	max. disonarge angle from nonzontal	rad	0.8
	Tine Capacity	kg	14100
	- I - 2	lbs	31076





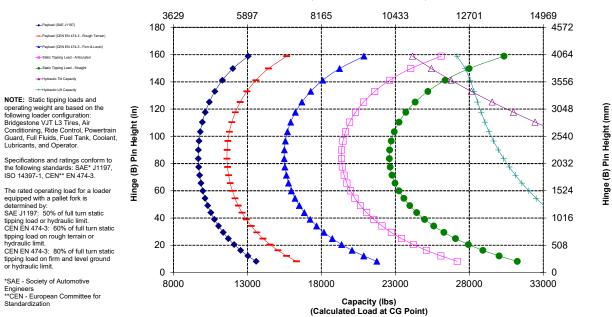
- Payload (CEN EN 474-3 - Rough Ter ad (CEN EN 474-3 - Firm & Level

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 Standardization

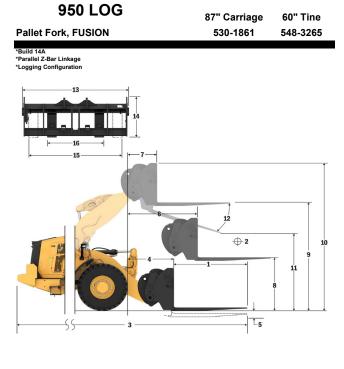
# Capacity (kg) (Calculated Load at CG Point)



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

#### **Fork Specifications**

2 Load Center in mm Static Tipping Load - Straight (Forks Level) kg 1 lbs 2 Static Tipping Load - Articulated (Forks Level) kg 5 lbs 1 Rated Load (SAE J1197 - 50% FTSTL) kg 4 lbs 9 Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 7 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 7 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 7 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 7 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 7 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 7 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Fi	524 60.0 762 762 00212 2506 8830 9461 415 7730 5298 1676 6009 54.7 258
Static Tipping Load - Straight (Forks Level)   kg   1   lbs   2   lbs   2   lbs   2   lbs   1   lbs   2   lbs   3   lbs   4   lbs   1   lbs   4	762 30.0 0212 2506 8830 9461 415 0730 5298 1676 064 5568 9009 54.7
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)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  A Reach with Forks at Ground Level  S 10	30.0 0212 2506 3830 9461 415 0730 5298 1676 064 5568 9009 54.7
Static Tipping Load - Straight (Forks Level)   Ibs   2	2506 8830 9461 415 7730 5298 1676 7064 5568 9009 54.7
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  """  Reach with Forks at Maximum Height and Fork Level  """  Reach with Fork at Maximum Height  """  Reach with Fork at Maximum Height and Fork Level  """  """  Reach with Fork at Maximum Height  """  Reach with Fork at Maximum Height and Fork Level  """  """  """  """  """  """  """	830 9461 415 730 5298 1676 7064 5568 9009 54.7
Rated Load (SAE J1197 - 50% FTSTL)   kg   4 kg   5 kg	9461 415 730 2298 1676 7064 5568 9009 54.7
Rated Load (SAE J1197 - 50% FTSTL) kg 4 lbs 5 lbs 5 lbs 1 lbs 5 lbs 1 Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) kg 5 lbs 1 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 7 lbs 1	1415 1730 1298 1676 1664 5568 9009 54.7
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   los   sq   5   los   1   los	730 5298 1676 7064 5568 9009 54.7
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) kg 5 lbs 1  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 7 lbs 1  3 Maximum Overall Length mm 5 in 3  4 Reach with Forks at Ground Level mm 5 'Ground to Bottom of Tine at Minimum Height and Fork Level mm 1 in 1	298 1676 064 5568 0009 54.7 258
Rated Load (CEN EN 474-3 Rough Terrain - 00% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Maximum Overall Length  Reach with Forks at Ground Level  """  Reach with Forks at Ground Level  """  Reach with Arms Horizontal and Forks Level  """  Reach with Fork at Maximum Height  """  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  """  Ground to Top of Tine with Arms Horizontal and Fork Level  """  O Overall Height of Fork at Full Lift (top of carriage to ground)  """  The Clearance of Full Lift and Max Dump	1676 7064 5568 9009 54.7 258
3 Maximum Overall Length in 3 4 Reach with Forks at Ground Level  5 "Ground to Bottom of Tine at Minimum Height and Fork Level  6 Reach with Forks at Maximum Height 7 Reach with Fork at Maximum Height 8 Ground to Top of Tine with Arms Horizontal and Fork Level  9 Ground to Top of Tine at Maximum Height and Fork Level  10 Overall Height of Fork at Full Lift (top of carriage to ground)  11 Clearance at Full Lift and Max Dump	5568 9009 54.7 258
3 Maximum Overall Length in 3 4 Reach with Forks at Ground Level in 3 5 *Ground to Bottom of Tine at Minimum Height and Fork Level in in 6 6 Reach with Arms Horizontal and Forks Level in in 6 7 Reach with Fork at Maximum Height in	009 54.7 258
A Reach with Forks at Ground Level mm 1  5 "Ground to Bottom of Tine at Minimum Height and Fork Level mm 1  6 Reach with Arms Horizontal and Forks Level mm 1  7 Reach with Fork at Maximum Height mm 1  8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 1  9 Ground to Top of Tine at Maximum Height mm 1  10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 1  11 Clearance at Full Lift and Max Dump	54.7 258
4 Reach with Forks at Ground Level in mm in 5 5 "Ground to Bottom of Tine at Minimum Height and Fork Level in in 6 6 Reach with Arms Horizontal and Forks Level in in 6 7 Reach with Fork at Maximum Height in	258
**Ground to Bottom of Tine at Minimum Height and Fork Level mm in 16      **Reach with Arms Horizontal and Forks Level mm in 16      **Reach with Fork at Maximum Height mm in 17      **Reach with Fork at Maximum Height mm in 18      **Ground to Top of Tine with Arms Horizontal and Fork Level mm in 19      **Ground to Top of Tine at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 3 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Fork at Maximum Height and Fork Level mm 4 in 18      **Jensen With Maximum Height	
5 *Ground to Bottom of Tine at Minimum Height and Fork Level mm in 1  6 Reach with Arms Horizontal and Forks Level mm m in 6  7 Reach with Fork at Maximum Height mm in 1  8 Ground to Top of Tine with Arms Horizontal and Fork Level mm in 1  9 Ground to Top of Tine at Maximum Height and Fork Level mm 3  in 1  10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 4  11 Clearance at Full Lift and Max Dump	
6 Reach with Arms Horizontal and Forks Level mm in 16 Reach with Fork at Maximum Height mm in 17 Reach with Fork at Maximum Height mm in 18 Ground to Top of Tine with Arms Horizontal and Fork Level mm in 19 Ground to Top of Tine at Maximum Height and Fork Level mm 3 in 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 17 Clearance at Full Lift and Max Dump	19.5 160
6 Reach with Arms Horizontal and Forks Level mm in 6 7 Reach with Fork at Maximum Height mm in 6 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm in 6 9 Ground to Top of Tine at Maximum Height and Fork Level mm in 1 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 4 11 Clearance at Full Lift and Max Dump	-6.3
Reach with Arms Honzontal and Forks Level in 6  Reach with Fork at Maximum Height mm 1  Reach with Fork at Maximum Height and Fork Level mm 2  Reach with Fork at Maximum Height and Fork Level mm 3  Reach with Fork at Maxi	752
7 Reach with Fork at Maximum Height mm 1 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 2 9 Ground to Top of Tine at Maximum Height and Fork Level mm 3 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 4 11 Clearance at Full Lift and Max Dump	59.0
8 Ground to Top of Tine with Arms Horizontal and Fork Level mm in 6 mm 3 mm 4 mm 4 mm 4 mm 4 mm 4 mm 4 mm	014
9 Ground to Top of Tine at Maximum Height and Fork Level in mm 3 in 1  10 Overall Height of Fork at Full Lift (top of carriage to ground) in 1  11 Clearance at Full Lift and Max Dump	39.9
9 Ground to Top of Tine at Maximum Height and Fork Level mm 3 in 1 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 4 in 1 11 Clearance at Full Lift and Max Dump	772
10 Overall Height of Fork at Full Lift (top of carriage to ground) in 1  11 Clearance at Full Lift and May Dump.	39.7
10 Overall Height of Fork at Full Lift (top of carriage to ground) in 1  11 Clearance at Full Lift and May Dump	733
10 Overall Height of Fork at Full Lift (top of carriage to ground) in 1  11 Clearance at Full Lift and May Dump mm 2	47.0
11 Clearance at Full Lift and May Dump mm 2	508 77.5
	365
	93.1
12 Max Discharge Angle from Horizontal deg	46
	217
900 MO	37.3 840
	33.1
man C	2070
	31.5
16 Outside Tine Width (min spread) mm	470
· · · · · · · · · · · · · · · · · · ·	18.5
	50.0
in in	5.9
	0.26
In kg 6	
	2.6
ka 1	300
Operating Weight lbs 4:	



\*Negative values indicate below grade

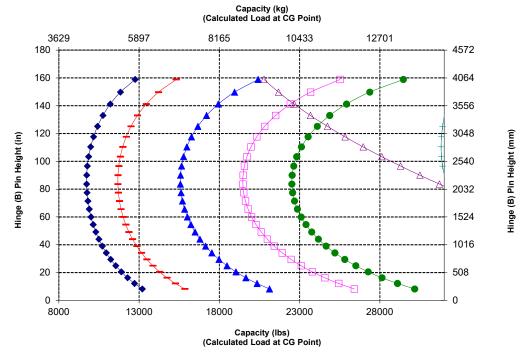


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

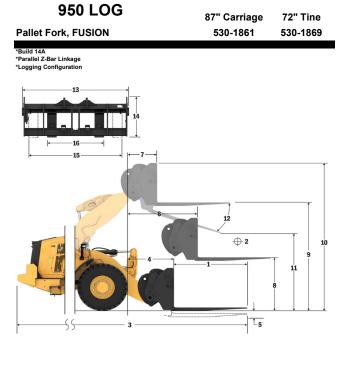




# **Fork Specifications**

#### **Fork Specifications**

In the Length				
2   Load Center	1	Tine Length		1830
Static Tipping Load - Straight (Forks Level)   Rq 9720   Rq 9720	2	Load Contar		
Static Tipping Load - Straight (Forks Level)   Ibs   21422		Load Center		
Static Tipping Load - Articulated (Forks Level)   Road   Road   Sate   Tipping Load - Articulated (Forks Level)   Road   Sate   Sate		Static Tipping Load - Straight (Forks Level)		
Rated Load (SAE J1197 - 50% FTSTL)   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Mrm 9315   Rated Load (CEN EN 474-3 Firm and Level Mrm 1752   Rated Nith Forks at Ground Level Mrm 1752   Rated Nith Arms Horizontal and Fork Level Mrm 1752   Rated Nith Fork at Maximum Height   Rated Nith Arms Horizontal and Fork Level Mrm 1752   Rated Nith Fork at Maximum Height and Fork Level Mrm 1754   Rated Nith Fork at Full Lift (top of carriage to ground)   Rated Nith Mrm 177-5   Rated Nith Arms Horizontal Arms Horizontal   Rated Nith Arms Horizontal   Rated Level Mrm 177-5   Rated Nith Arms Horizontal   R		, ,		
Rated Load (SAE J1197 - 50% FTSTL)		Static Tipping Load - Articulated (Forks Level)		
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Bis   9255		D		
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)         kg bs 15039 lbs 1106           Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         kg 6718 lbs 14808           3 Maximum Overall Length         mm 9315 in 366.7           4 Reach with Forks at Ground Level         mm 9315 in 366.7           5 *Ground to Bottom of Tine at Minimum Height and Fork Level         mm 1752 in 69.0           6 Reach with Arms Horizontal and Forks Level         mm 1762 in 69.0           7 Reach with Fork at Maximum Height         mm 1014 in 99.0           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm 1772 in 69.0           9 Ground to Top of Tine at Maximum Height and Fork Level         mm 3733 in 147.7           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm 2508 in 177.5 in 84.5           11 Clearance at Full Lift and Max Dump         mm 2217 in 84.5           12 Max Discharge Angle from Horizontal         deg         46           13 Overall Carriage Height         mm 2217 in 87.3 mm 2217 in 87.3         87.3 mm 2217 in 87.3 mm 2217 in 87.3           15 Outside Tine Width (max spread)         mm 2070 in 87.3 mm 27.3 mm 27.		Rated Load (SAE J1197 - 50% FISIL)		
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		Pated Load (CEN EN 474-3 Pough Terrain - 60% ETSTL)	kg	5039
Box   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   14808   15808		reaced Load (OLIV LIV 474-5 Rough Terrain - 00 /01 TOTE)		11106
Maximum Overall Length   mm   9315   in   366.7     366.7     4   Reach with Forks at Ground Level   mm   49.5     1   49.5		Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		
Maximum Overall Length   In   366.7   mm   1258   mm   160   mm   160   mm   160   mm   1752   mm   1014   mm   1014   mm   1014   mm   1014   mm   1014   mm   1017   mm   1772   mm   1772   mm   1772   mm   1772   mm   1773   mm   1773   mm   1774   mm   1775   mm		,		
4         Reach with Forks at Ground Level         mm bin 49,5 and 19,0 and 19,	3	Maximum Overall Length		
1				
5         "Ground to Bottom of Tine at Minimum Height and Fork Level         mm of in one of in o	4	Reach with Forks at Ground Level		
Reach with Arms Horizontal and Forks Level   mm   17.52   in   69.0     Reach with Fork at Maximum Height   mm   17.69.0   mm   17.69.0     Reach with Fork at Maximum Height   mm   17.69.0   mm   17.72   mm   17.73   mm   17.73   mm   17.74   mm   17	-	*Od to Dottom of Time of Minimum Height and Fordal and		
Reach with Fork at Maximum Height   mm   1014   in   39.9	5	Ground to Bottom or Time at Minimum Height and Fork Level	in	
Reach with Fork at Maximum Height   mm   1014   in   39.9	6	Reach with Arms Horizontal and Forks Level		
Reacti will Fork at Maximum Height   in   39.9   mm   1772   m   69.7   mm   3733   mm   4508   mm		Trought Will 7 Will of Ton Estimated Ton Co. Est Co.		
8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm (9,7) in (9,7)         177.2 in (9,7)           9         Ground to Top of Tine at Maximum Height and Fork Level         mm (3733) in (147.0)           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm (177.5) in (177.5)           11         Clearance at Full Lift and Max Dump         mm (218.6) in (177.5) in (177.5)           12         Max Discharge Angle from Horizontal         deg (46.7)           13         Overall Carriage Width         mm (27.0) in (17.2)           14         Overall Carriage Height         mm (27.0) in (17.2)           15         Outside Tine Width (max spread)         mm (27.0) in (17.2)           16         Outside Tine Width (min spread)         mm (47.0) in (17.2)           Tine Width (single tine)         mm (50.0) in (5.0) in (5.0)           Tine Capacity         mm (65.0) in (2.6) in (2	7	Reach with Fork at Maximum Height		
Ground to Top of Time with Arms Horizontal and Fork Level   in 69.7 mm 3733 mm 4508 mm 4508 mm 4508 mm 2145		<u> </u>		
9         Ground to Top of Tine at Maximum Height and Fork Level         mm 3733 in 14 177.5         3733 in 1477.5           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 4508 in 177.5           11         Clearance at Full Lift and Max Dump         mm 216 in 84.5           12         Max Discharge Angle from Horizontal         deg         46           13         Overall Carriage Width         mm 2217 in 87.3         840           14         Overall Carriage Height         mm 2070 in 18.1         16           15         Outside Tine Width (max spread)         mm 2070 in 18.1         16           16         Outside Tine Width (min spread)         mm 470 in 18.0         16 in 18.5           Tine Width (single tine)         mm 65.0 in 5.0         65.0 in 5.6           Tine Capacity         fes 5.0         15.0           Operation Worldth         kg 1946         1962	8	Ground to Top of Tine with Arms Horizontal and Fork Level		
10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   147.0   mm   150.0   mm   150.0	_	Oncome data Torre of Time and Mandiscons United and Control of Control		
10   Overall Reight of Pork at Pull Lift (top of carriage to ground)   in   177.5   177.5   177.5   177.5   184.5	9	Ground to Top of Tine at Maximum Height and Fork Level	in	147.0
11   Clearance at Full Lift and Max Dump   mm   177-3   mm   177-3   mm   218-4.5   mm   218-4.5   mm   2217   mm   2217   mm   2217   mm   2217   mm   2217   mm   2417   m	10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4508
11   Clearance at rull Lift and wax Dump   in   84.5     12   Max Discharge Angle from Horizontal   deg   46     13   Overall Carriage Width   mm   2017   in   87.3     14   Overall Carriage Height   mm   830.1     15   Outside Tine Width (max spread)   mm   2070   in   81.5     16   Outside Tine Width (min spread)   mm   470   in   18.5     17   Tine Width (single tine)   mm   150.0   in   5.9     18   Tine Thickness   mm   65.0   in   2.6     19   Tine Capacity   18   1862   1862     19   Operating Wolfeth   18   1962   1862   1962     10   Operating Wolfeth   18   1962   1862   1862		Overall Fleight of Fork at Full Elit (top of carriage to ground)		
12         Max Discharge Angle from Horizontal         deg         46           13         Overall Carriage Width         mm         2217 in         87.3           14         Overall Carriage Height         mm         83.1           15         Outside Tine Width (max spread)         mm         20.0           16         Outside Tine Width (min spread)         mm         470 in           1         in         18.5           Tine Width (single tine)         mm         150.0           Tine Thickness         mm         65.0           Tine Capacity         kg         5246           Ibs         11962           Opporting Worldth         kg         1962	11	Clearance at Full Lift and Max Dump		
13   Overall Carriage Width   mm   2217   in   87.3       14   Overall Carriage Height   mm   2017		•	ın	84.5
13 Overall Carriage Width   in 87.3   87.3	12	Max Discharge Angle from Horizontal	deg	46
14         Overall Carriage Height         mm (am.)         840 (in.)         33.1           15         Outside Tine Width (max spread)         in.         81.5 (in.)         81.5 (in.)           16         Outside Tine Width (min spread)         in.         18.5 (in.)         mm.         150.0 (in.)         150.0 (in.)         150.0 (in.)         65.0 (in.)         in.         25.0 (in.)         150.0 (in.)         150.0 (in.)         150.0 (in.)         150.0 (in.)         25.0 (in.)         150.0 (in	13	Overall Carriage Width		
14 Overall Carriage Fietgrit   in   33.1   mm   2070   in   81.5       16 Outside Tine Width (min spread)   mm   470   in   81.5       16 Outside Tine Width (min spread)   mm   470   in   150.0       17 Ine Width (single tine)   mm   65.0   in   2.6       18 Tine Thickness   mm   65.0   in   2.6       19 Tine Capacity   8   7246       19 Operation Weight   1962				
15         Outside Tine Width (max spread)         mm (n) 81.5 (n) 81.5 (n) 81.5           16         Outside Tine Width (min spread)         mm (150.0 k) 15.5 (n) 15.9 (	14	Overall Carriage Height		
16 Outside Tine Width (min spread)   mm   47.5   mm   47.5   mm   45.0   mm   45.0   mm   45.0   mm   65.0   mm	45	O. 4-1-1- Time (M/1-141- (		
Tine Width (single tine)	15	Outside Tine Width (max spread)		
Tine Width (single tine)	16	Outside Tine Width (min spread)		
Tine Thickness		Outside Title Width (Hill Spread)		
Tine Thickness   mm   65.0   in   2.6		Tine Width (single tine)		
Tine Capacity         in         2.6           Tine Capacity         kg         5246           Operating Weight         kg         19457				
Tine Capacity         kg         5246           Ibs         11562           Operating Weight         kg         19457		Tine Thickness		
Descripting Weight kg 19457		Ti 0it-		
Operating Weight kg 19457		Tine Capacity		11562
lbs 42884		Operating Weight		19457
		Operating Weight	lbs	42884



\*Negative values indicate below grade

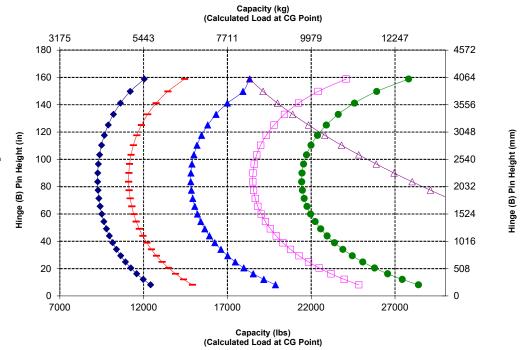


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

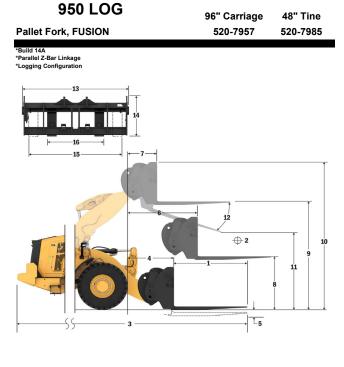
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Load Center	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	10487
	, , , , , , , , , , , , , , , , , , ,	lbs kg	23112 9035
	Static Tipping Load - Articulated (Forks Level)	lbs	19913
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4518
	Rated Load (SAE JT197 - 50% FTSTL)	lbs	9957
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5421
	, ,	lbs	11948
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	7228 15931
		mm	8659
3	Maximum Overall Length	in	340.9
4	Reach with Forks at Ground Level	mm	1212
-	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 Timo at Minimalin Holght and Fork 2010	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm in	1744 68.6
_		mm	1006
7	Reach with Fork at Maximum Height	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
۰	Glound to Top of Time with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3838
		in	151.1 4878
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	192.1
	01 15 11179 1111 10	mm	2550
11	Clearance at Full Lift and Max Dump	in	100.4
12	Max Discharge Angle from Horizontal	deg	52
	Wax Discharge / trigle from Florizontal		
13	Overall Carriage Width	mm	2528
		in mm	99.5 1130
14	Overall Carriage Height	in	44.5
45	Outside Time Middle (see and add)	mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Catalas Tino Triadi (mini oproda)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
		mm	90.0
	Tine Thickness	in	3.5
	Ti 0it-	kg	22200
	Tine Capacity	lbs	48929
	Operating Weight	kg	19719
	Operating Weight	lbs	43461



\*Negative values indicate below grade

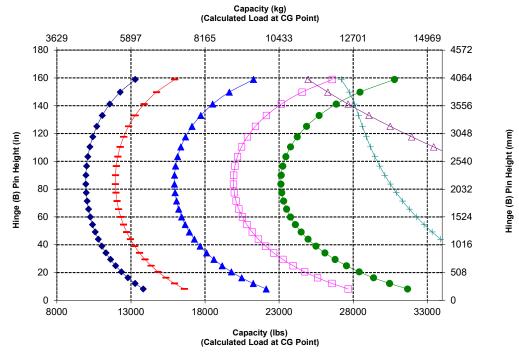


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

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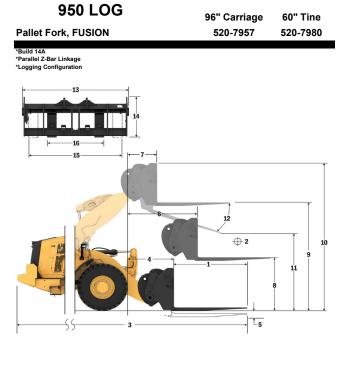




# **Fork Specifications**

#### **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 Local (OEN EN 474 O Firms and Local Consult 1999) 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

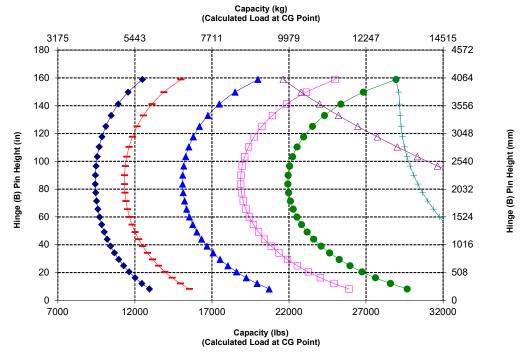


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

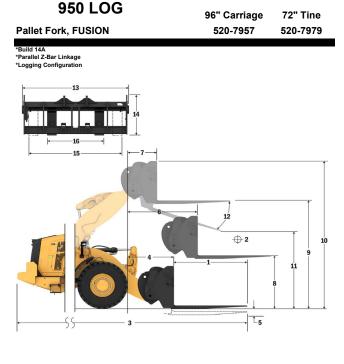
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#### **Fork Specifications**

% 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

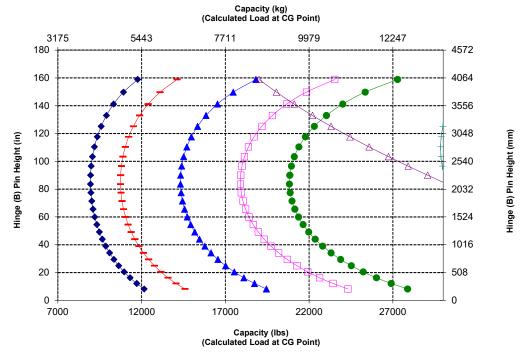


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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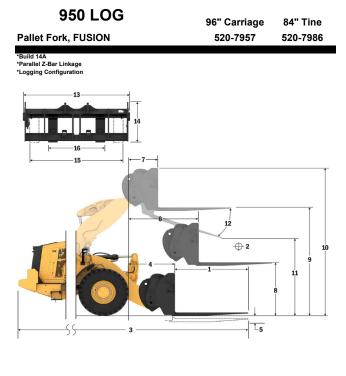




# **Fork Specifications**

#### **Fork Specifications**

2	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	mm in mm in kg lbs kg lbs kg lbs kg lbs kg lbs	2134 84.0 1067 42.0 8983 19799 7713 17000 3857 8500 4628 10200 6170
	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)	mm in kg lbs kg lbs kg lbs kg lbs kg lbs kg	1067 42.0 8983 19799 7713 17000 3857 8500 4628 10200
	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)	kg lbs kg lbs kg lbs kg lbs	8983 19799 7713 17000 3857 8500 4628 10200
	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)	lbs kg lbs kg lbs kg lbs	19799 7713 17000 3857 8500 4628 10200
	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)	kg Ibs kg Ibs kg Ibs	7713 17000 3857 8500 4628 10200
	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)	lbs kg lbs kg lbs	17000 3857 8500 4628 10200
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs kg lbs kg	8500 4628 10200
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs kg	4628 10200
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs kg	10200
		kg	
	Maximum Overall Length		13600
3		mm	9574
٠	Waxiiridiii Overali Lerigiii	in	376.9
4	Reach with Forks at Ground Level	mm	1213
		in	<u>47.7</u> -79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-7.9
_	D 1 71 A 11 1 1 1 1 1 1 1	mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1007
•	Treath with Fork at Maximum Freight	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	<u> </u>	in mm	73.9 3838
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.1
40	O	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
	· · · · · · · · · · · · · · · · · · ·	in	71.9
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2528 99.5
		in mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
10	Outside Tille Width (Max spread)	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	T 140 HI / 1 I C 1	mm	180.0
	line width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THEORIES	in	3.5
	Tine Capacity		12700
	· ·	lbs	27991 19909
	Operating Weight	kg lbs	43880
	Tine Width (single tine) Tine Thickness Tine Capacity	in mm in kg	9 3



\*Negative values indicate below grade

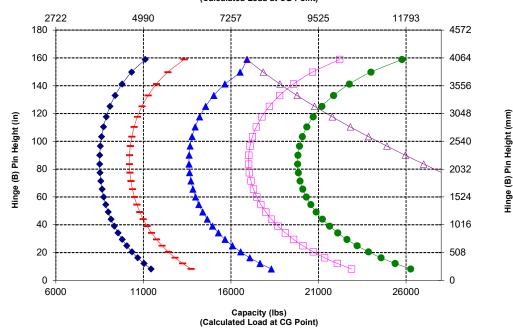
#### Capacity (kg) (Calculated Load at CG Point)



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.

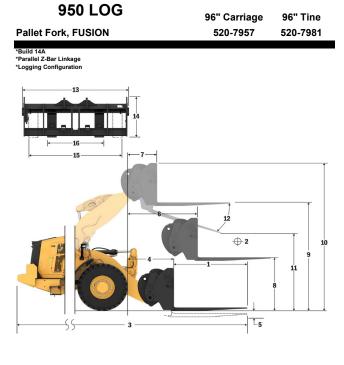
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#### **Fork Specifications**

	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



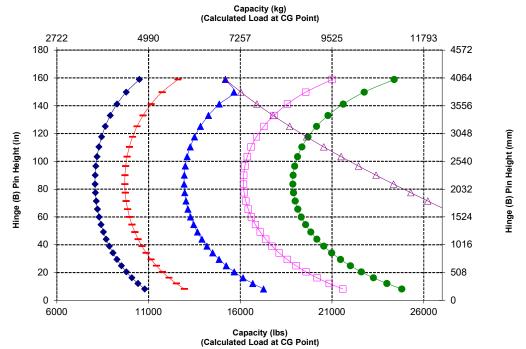
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

--- 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.

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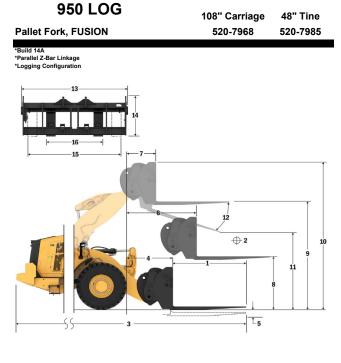




# **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Edda Gerilei	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	10446
	11 0 0 0	lbs	23023 8995
	Static Tipping Load - Articulated (Forks Level)	kg lbs	19824
		kg	4497
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9912
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5397
	Trated Load (OEIV EIV 474-5 (Cough Terrain - 00 % 1 151E)	lbs	11894
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	7196
		lbs	15859
3	Maximum Overall Length	mm	8659 340.9
	<u>*</u>	in mm	1212
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	68.6
7	Reach with Fork at Maximum Height	mm	1006
	Trouble Mari Fort at Maximum Froight	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_	<u> </u>	in mm	73.9 3838
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.1
	O	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
_'''	Clearance at Full Lift and Max Dump	in	100.4
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
		mm	2493
15	Outside Tine Width (max spread)	in	98.1
16	Outside Tine Width (min spread)	mm	590
-10	Outside Title Width (Hilli Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Time Trialit (cirigio line)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	22200
_	·	lbs kg	48929 19772
	Operating Weight	lbs	43578
		iba	70010



\*Negative values indicate below grade



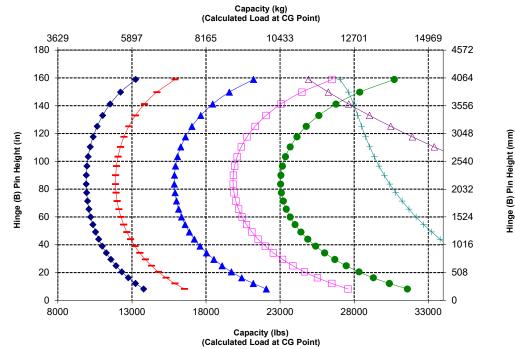
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

--- 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.

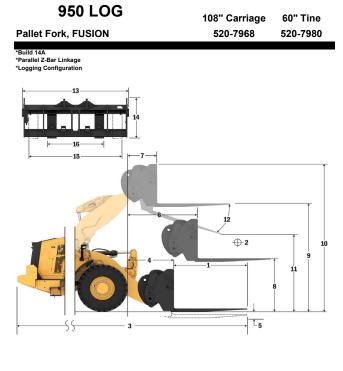
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	ik opecilications		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Load Ceriter	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9909
		lbs	21839
	Static Tipping Load - Articulated (Forks Level)	kg	8523 18784
		lbs kg	4261
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9392
	Detect Lend (OEN EN 474 2 Decembra Terrain COOK ETCTL)	kg	5114
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11271
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6818
	Traica Load (OLIV LIV 474 OT IIII and Level Ordana - 00% 1 TOTE)	lbs	15028
3	Maximum Overall Length	mm	8964
		in	352.9
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	-79
_		mm	1744
6	Reach with Arms Horizontal and Forks Level		68.7
-	D 1 30 5 1 114 1 11111	in 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
۰	Ground to Top of Title with Arris Horizontal and Pork Level		73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3838
_	<u> </u>	in mm	151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)		4878
	· · · · · · · · · · · · · · · · · · ·		192.1 2309
11	Clearance at Full Lift and Max Dump	mm in	90.9
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
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
40	Outside Ties Width (sein soussel)	mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Time Tridai (Single time)	in	7.1
	Tine Thickness	mm	90.0
	1110 1110111000	in	3.5
	Tine Capacity	kg	17800
	- 1 /	lbs	39231
	Operating Weight	kg	19834
		lbs	43715



\*Negative values indicate below grade

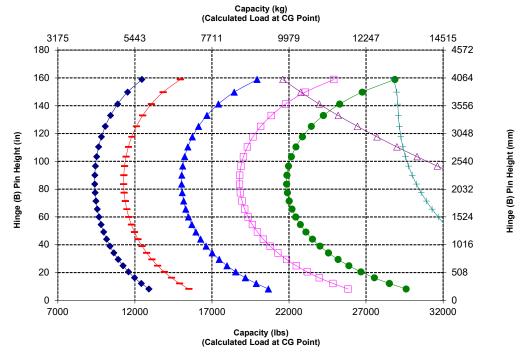


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

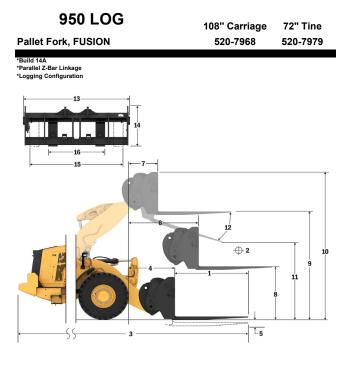




# **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9412 20743
	O. C. T	kg	8086
	Static Tipping Load - Articulated (Forks Level)	lbs	17822
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4043
	Nated Load (OAL 31197 - 30 % 1 TOTE)	lbs	8911
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4852
	, ,	lbs ka	10693 6469
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14257
3	Maniana Organil I an att	mm	9269
3	Maximum Overall Length	in	364.9
4	Reach with Forks at Ground Level		1213
	Trouble Main Forto at Cround 2010	in mm	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level		-79 -3.1
			1744
6	Reach with Arms Horizontal and Forks Level		68.7
7	Reach with Fork at Maximum Height	mm	1007
	Reach with Fork at Maximum Height		39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level		1877
	•		73.9 3838
9	Ground to Top of Tine at Maximum Height and Fork Level		151.1
40	Overall Height of Fork at Full Lift (tan of corriage to ground)		4878
10	Overall Height of Fork at Full Lift (top of carriage to ground)		192.1
11	Clearance at Full Lift and Max Dump	mm	2068
•••	Oldardioc at Fair Ent and Max Bump	in	81.4
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm in	2833 111.5
	0 10 : 11:11	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
13	Outside Title Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine (Midth (single tine)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THIS THIS WISS	in	3.5
	Tine Capacity	kg	14800
		lbs kg	32619 19896
	Operating Weight	lbs	43851



\*Negative values indicate below grade

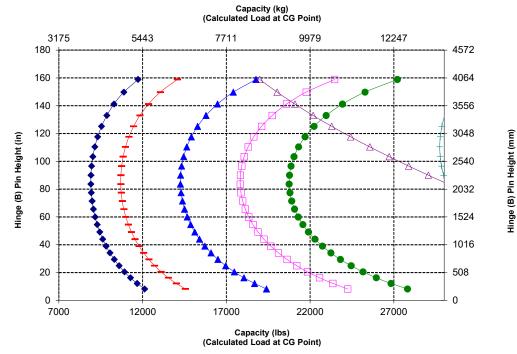


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

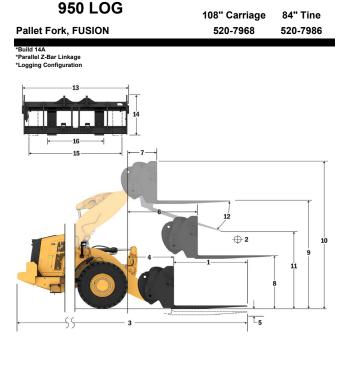
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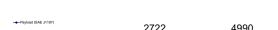


#### **Fork Specifications**

1	Tine Length	mm in	2134 84.0
_	1404	mm	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8951
	Claire Tipping 2000 Chaight (1 Onto 2010)	lbs	19728
	Static Tipping Load - Articulated (Forks Level)	kg	7681
	<u> </u>	lbs kg	16929 3840
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8464
	Detect   and (OFN FN 474 & Decemb Terrains COOK FTOTI)	kg	4609
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10157
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6145
	Trailed Load (OLIN LIN 474-51 IIIII and Level Gloding - 60% 1 101L)	lbs	13543
3	Maximum Overall Length	mm	9574
	maximum overall congui	in	376.9
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 in	-79 -3.1
		mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Decelorable Feel of Mexicons Height	mm	1007
′	Reach with Fork at Maximum Height		39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
Ů	Ground to Top of Time with Arms Horizontal and Pork Level		73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3838
			151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4878 192.1
		mm	1827
11	Clearance at Full Lift and Max Dump	in	71.9
42	May Discharge Angle from Herizontel		52
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2833
	Overall Carriage vvidir	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Title Width (Single title)	in	7.1
	Tine Thickness	mm	90.0
	THE THORIESS	in	3.5
	Tine Capacity	kg	12700
	* 1 - 2	lbs	27991
	Operating Weight	kg	19958
	· · ·	lbs	43988



\*Negative values indicate below grade



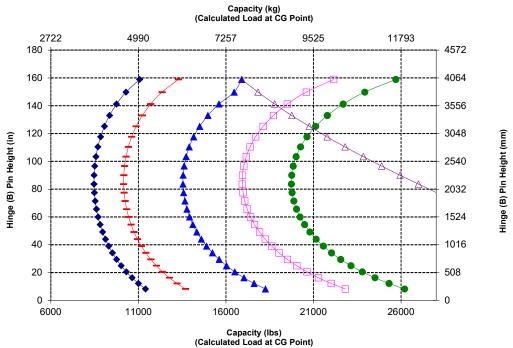


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

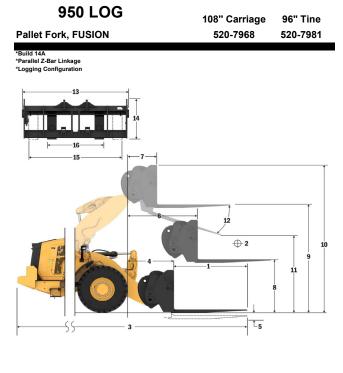




# **Fork Specifications**

#### **Fork Specifications**

	ik opecilications		
1	Tine Length	mm in	2438 96.0
_	1	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8523
	Otatio ripping Load - Otraight (1 Onto Level)	lbs	18785
	Static Tipping Load - Articulated (Forks Level)	kg	7304
	11 3 ( )	lbs	16097
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3652
		kg	8049 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
_	Treadil Will Torks at Ground Edver	in mm	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level		-79
_	<del></del>	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
_	One and the Tan of Time at Manifeston Hainba and Fault Lavel	mm	3838
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.1
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
10	Overall neight of Fork at Full Lift (top of carnage to ground)		192.1
11	Clearance at Full Lift and Max Dump	mm	1587
•••	Clearance at 1 dil Lint and Max Dump	in	62.5
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
	Tin - \A(i)44- (-in-a)- 4in-a\	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	11300
	Title Outpublicy	lbs	24905
	Operating Weight	kg	20021
	opolating mogni	lbs	44127



\*Negative values indicate below grade



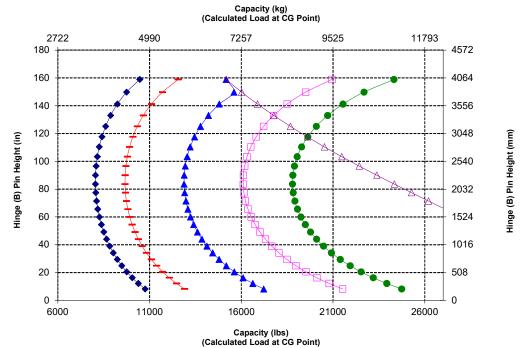
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

--- 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.

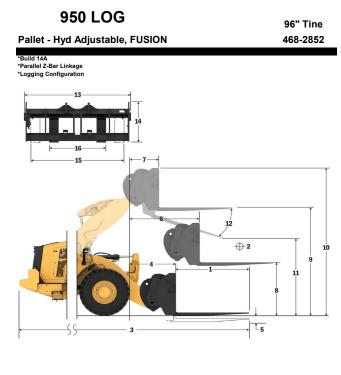
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#### **Fork Specifications**

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 (Folia Level)	lbs	18170
	Static Tipping Load - Articulated (Forks Level)	kg	7056
	· · · · · · · · · · · · · · · · · · ·	lbs kg	15551 3528
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7775
	Detect Level (CEN EN 474 C Devel Terreir CON ETCT)	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
	Trained Edda (OETT ETT TO TIME data Editor Ordana Governore)	lbs	12441
3	Maximum Overall Length	ḿш	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 Honzonial and Porks Level	in	72.6
7	Reach with Fork at Maximum Height	mm	1106
	Trough Mari on at maximum rioight	in	43.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1867
	<u> </u>		73.5 3828
9	Ground to Top of Tine at Maximum Height and Fork Level		150.7
	0		4896
10	Overall Height of Fork at Full Lift (top of carriage to ground)		192.7
11	Clearance at Full Lift and Max Dump		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	Outside Tine Width (may appead)	mm	2312
15	Outside Tine Width (max spread)	in	91.0
16	Outside Tine Width (min spread)	mm	896
	Catalas Tino Trian (Tini oproda)	in	35.3
	Tine Width (single tine)	mm	180.0
		in mm	7.1 90.0
	Tine Thickness	in	3.5
	T 0 3	kg	10100
	Tine Capacity	lbs	22260
	Operating Weight	kg	20070
	Operating weight	lbs	44235



\*Negative values indicate below grade

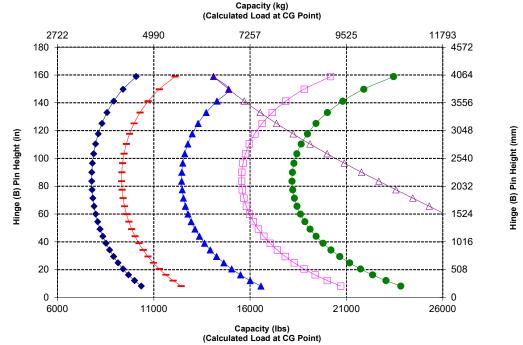


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)		2,282	2,421	2,560	2,698	2,837	2,976
		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"
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	mm	4,610	4,915	5,220	5,525	5,829	6,134
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 16)	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)		6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"
Nr. 178 11 15 115 1160 01 00 00 01 05	mm	2,416	2,596	2,777	2,957	3,137	3,318
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)		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		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

→ Retracted

-Extension 1
-Extension 2
-Extension 3
-Extension 4
-Extended

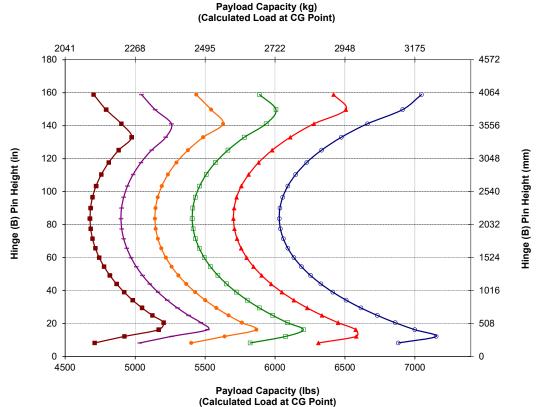
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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





# 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.
- Cab access with wide door, optional remote door opening, and inclined steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear-vision camera provide industry leading all-around visibility.
- Monitored seat belt is standard and can be enhanced with an optional exterior indicator.
- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.

- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

#### **Reduced Maintenance Time and Costs**

- Extended fluid and filter change intervals reduce maintenance costs by up to 30%.\*
- 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.

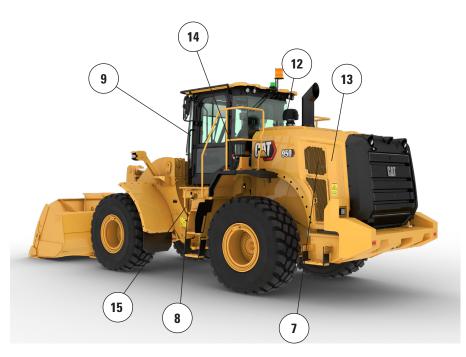
<sup>\*</sup>Parts and fluids only.

# **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.

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AEXQ3578-00 (4-2023) Build Number: 14A (N Am, Europe, Aus-NZ, Chile, Turkey)

