

# 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	<b>2</b>
Engine – U.S. EPA Tier 3 Equivalent/EU Stage IIIA Equivalent 2	Service Refill Capacities
Operating Specifications	Brakes
Buckets	Axles
Weight2	Cab
Engine – U.S. EPA Tier 4 Final/EU Stage V	Dimensions
Transmission	Tire Options5
Air Conditioning System	Bucket Fill Factors and Selection Guide7
Hydraulic System3	Operating Specifications – Buckets
Sound	Fork/Material Handling Arm Specifications44
Standard and Optional Equipment	68
950 Environmental Declaration	
950 Waste & Scrap Handler Configuration	
Key Features and Benefits	Operating Specifications – Buckets
Tire Options	
950 Forestry Machine Configuration	
Key Features and Benefits82	Operating Specifications – Buckets
Tire Options84	Fork Specifications
950 Steel Mill Configuration	97
Key Features and Benefits97	Operating Specifications – Buckets
Tire Options	
950 Tunneling Configuration	
Key Features and Benefits	Operating Specifications – Buckets
950 Corrosion Resistant Configuration	
Key Features and Benefits106	



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

Engine Model	Cat® C7.1		
Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards,			
equivalent to U.S. EPA Tier 3 and EU St	age IIIA.		
Engine Power @ 2,100 rpm	186 kW	249 hp	
ISO 14396:2002	253 hp (metr	ic)	
Gross Power @ 2,100 rpm	191 kW	256 hp	
SAE J1995:2014	260 hp (metr	ic)	
Net Power @ 2,100 rpm	172 kW	231 hp	
ISO 9249:2007, SAE J1349:2011	235 hp (metric)		
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 lowercarbon intensity fuels\*\* up to:
- 100% biodiesel FAME (fatty acid methyl ester)\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

- Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.
- \*\* Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Operating Specifications		
Static Tipping Load – Full 40° Turn		
With Tire Deflection	10 936 kg	24,110 lb
No Tire Deflection	11 631 kg	25,642 lb
Breakout Force	152 kN	34,171 lbf

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

Buckets		
Bucket Capacities	2.5-9.9 m <sup>3</sup>	3.3-13.0 yd <sup>3</sup>

Weight			
			_
Operating Weight	18 076 kg	39,851 lb	

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

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

 Advertised power is tested per the specified standard in effect at the time of manufacture.

7.01 L

- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to:
- 20% biodiesel FAME (fatty acid methyl ester)\*

Displacement

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 100% biodiesel.
- \*\* Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

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  $\rm CO_2$  equivalent 2.288 metric tonnes (2.522 tons).

Hydraulic System		
Implement Pump Type	Variable Displacement Piston, Load Sensing	
Implement System:		
Maximum Pump Output (2,340 rpm)	322 L/min	85 gal/min
Maximum Operating Pressure	27 900 kPa	4,047 psi
Optional 3 <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 Payload	1:	
Raise from Carry Position	5.3 sec	
Dump at Maximum Raise	1.5 sec	
Lower, Empty, Float Down	3.0 sec	
Total	9.8 sec	

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

<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.

Fuel Tank	259.5 L	68.6 ga
Diesel Exhaust Fluid (DEF) Tank (Tier 4 only)	15 L	4.0 gal
Cooling System (Tier 4)	54 L	14.3 ga
Cooling System (Tier 3)	54 L	14.3 ga
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 IS	O 3450:2011 s	tandards

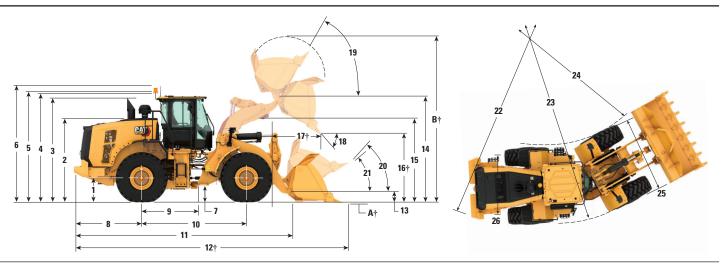
Axles	
Front	Fixed
Rear	Oscillating ±13 degrees

r	u	_	ı	
u	П	7	Ш	•

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.



	Standar	d 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	11'3"	
Height to Top of ROPS	3456 mm	11'4"	3456 mm	11'5"	
Height to Top of Product Link Antenna	3463 mm	11'4"	3463 mm	11'5"	
Height to Top of Warning Beacon	3736 mm	12'3"	3736 mm	12'4"	
Ground Clearance	354 mm	1'1"	354 mm	1'1"	
Centerline of Rear Axle to Edge of Counterweight	1942 mm	6'4"	2106 mm	6'11"	
Centerline of Rear Axle to Hitch	1675 mm	5'5"	1675 mm	5'6"	
Wheelbase	3350 mm	10'11"	3350 mm	11'0"	
Overall Length (without bucket)	6797 mm	22'3"	7462 mm	24'6"	
Shipping Length (with bucket level on ground)*†	8238 mm	27'0"	8750 mm	28'9"	
Hinge Pin Height at Carry Height	624 mm	2'0"	745 mm	2'5"	
Hinge Pin Height at Maximum Lift	3981 mm	13'0"	4476 mm	14'8"	
Lift Arm Clearance at Maximum Lift	3393 mm	11'1"	3776 mm	12'4"	
Dump Clearance at Maximum Lift and 45° Discharge*†	2844 mm	9'3"	3340 mm	10'11"	
Reach at Maximum Lift and 45° Discharge*†	1325 mm	4'4"	1393 mm	4'6"	
1 1	53 deg	rees	50 deg	rees	
Rack Back at Maximum Lift*	60 deg	rees	65 deg	rees	
Rack Back at Carry Height*	49 deg	rees	54 deg	rees	
Rack Back at Ground*	41 deg	rees	46 deg	rees	
Clearance Circle (dia) to Counterweight	12 047 mm	39'7"	12 072 mm	39'8"	
Clearance Circle (dia) to Outside of Tires	12 028 mm	39'6"	12 028 mm	39'6"	
Clearance Circle (dia) to Inside of Tires	6380 mm	25'0"	6380 mm	25'0"	
Width over Tires (unloaded)	2800 mm	9'3"	2800 mm	9'3"	
Width over Tires (loaded)	2824 mm	9'4"	2824 mm	9'4"	
Tread Width	2140 mm	7'0"	2140 mm	7'0"	
	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  Width over Tires (unloaded)	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 3736 mm Ground Clearance 354 mm Centerline of Rear Axle to Edge of Counterweight 1942 mm Centerline of Rear Axle to Hitch 1675 mm Wheelbase 3350 mm Overall Length (without bucket) Shipping Length (with bucket level on ground)*† 8238 mm Hinge Pin Height at Carry Height 624 mm Lift Arm Clearance at Maximum Lift Hinge Pin Height at Maximum Lift 1393 mm Dump Clearance at Maximum Lift and 45° Discharge*† 2844 mm Reach at Maximum Lift and 45° Discharge*† 1325 mm Dump Angle at Maximum Lift and Dump (on stops)* 836 mm Clearance Circle (dia) to Counterweight 12 047 mm Clearance Circle (dia) to Outside of Tires 12 028 mm Clearance Circle (dia) to Inside of Tires 6380 mm Width over Tires (unloaded) Width over Tires (loaded) 2824 mm	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         1942 mm         64"           Centerline of Rear Axle to Hitch         1675 mm         5'5"           Wheelbase         3350 mm         10'11"           Overall Length (without bucket)         6797 mm         22'3"           Shipping Length (with bucket level on ground)*†         8238 mm         27'0"           Hinge Pin Height at Carry Height         624 mm         2'0"           Hinge Pin Height at Maximum Lift         3981 mm         13'0"           Lift Arm Clearance at Maximum Lift and 45° Discharge*†         2844 mm         9'3"           Reach at Maximum Lift and 45° Discharge*†         1325 mm         4'4"           Dump Angle at Maximum Lift and Dump (on stops)*         53 degrees           Rack Back at Maximum Lift*         60 degrees           Rack Back at Carry Height*         49 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"         3736 mm           Ground Clearance         354 mm         1'1"         354 mm           Centerline of Rear Axle to Edge of Counterweight         1942 mm         6'4"         2106 mm           Centerline of Rear Axle to Hitch         1675 mm         5'5"         1675 mm           Wheelbase         3350 mm         10'11"         3350 mm           Overall Length (without bucket)         6797 mm         22'3"         7462 mm           Shipping Length (with bucket level on ground)*†         8238 mm         27'0"         8750 mm           Hinge Pin Height at Carry Height         624 mm         20"         745 mm           Hinge Pin Height at Maximum Lift         3981 mm         13"         4766 mm           Lift Arm Clearance at Maximum Lift and 45° Discharge*†         2844 mm	

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

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

<sup>†</sup>Dimensions are listed in Operating Specifications charts.

#### **Tire Options**

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

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

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

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

#### **Tire Options**

Tire Brand	Bridgestone	Firestone	Maxam	Maxam	Maxam
Tire Size	750/65R25	23.5-25	23.5R25	23.5R25	23.5R25
Tread Type	L-3	L-5	L-2	L-2	L-3
Tread Pattern	VTS	SDT LD	MS202	MS203	MS302
Width over Tires – Maximum (empty)*	2930 mm	2776 mm	2810 mm	2811 mm	2820 mm
	9'8"	9'2"	9'3"	9'3"	9'4"
Width over Tires – Maximum (loaded)*	2951 mm	2799 mm	2828 mm	2823 mm	2828 mm
	9'9"	9'3"	9'4"	9'4"	9'4"
Change in Vertical Dimensions (average of front and rear)	19 mm	62 mm	11 mm	-2 mm	14 mm
	0.7"	2.4"	0.4"	-0.1"	0.5"
Change in Horizontal Reach	-4 mm	-44 mm	-7 mm	-2 mm	-15 mm
	-0.2"	-1.7"	-0.3"	-0.1"	-0.6"
Change in Clearance Circle to Outside of Tires	128 mm	-24 mm	5 mm	0 mm	4 mm
	5"	-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	23.5-25	23.5R25	23.5X25	23.5X25
Tread Type	L-5	L-3	L-3		
Tread Pattern	MS503	TL612	TB516	Smooth	Traction
Width over Tires – Maximum (empty)*	2780 mm 9'2"	2781 mm 9'2"	2785 mm 9'2"	2140 mm 7'1"	2140 mm 7'1"
Width over Tires – Maximum (loaded)*	2803 mm 9'3"	2809 mm 9'3"	2799 mm 9'3"	2140 mm 7'1"	2140 mm 7'1"
Change in Vertical Dimensions (average of front and rear)	58 mm 2.3"	1 mm 0"	43 mm 1.7"	65 mm 2.5"	65 mm 2.5"
Change in Horizontal Reach	-33 mm -1.3"	-8 mm -0.3"	-13 mm -0.5"	-15 mm -0.6"	-15 mm -0.6"
Change in Clearance Circle to Outside of Tires	-21 mm -0.8"	-15 mm -0.6"	-25 mm -1"	-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"

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

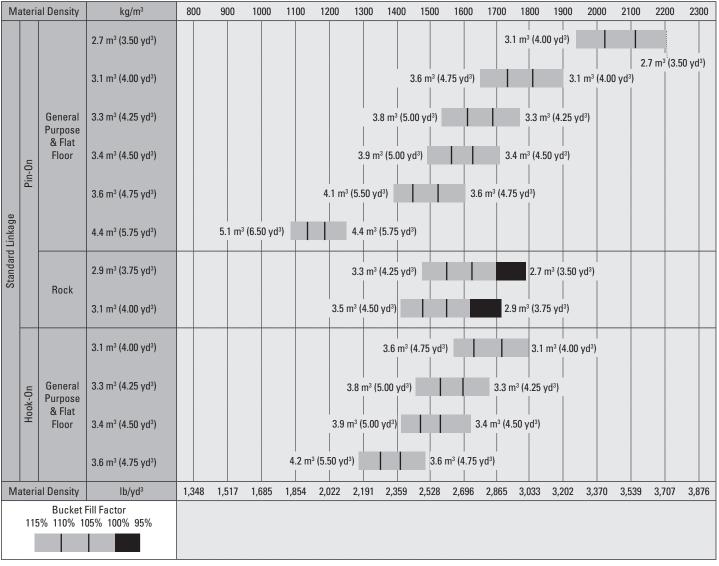
#### **Bucket Fill Factors and Selection Guide**

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

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

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

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



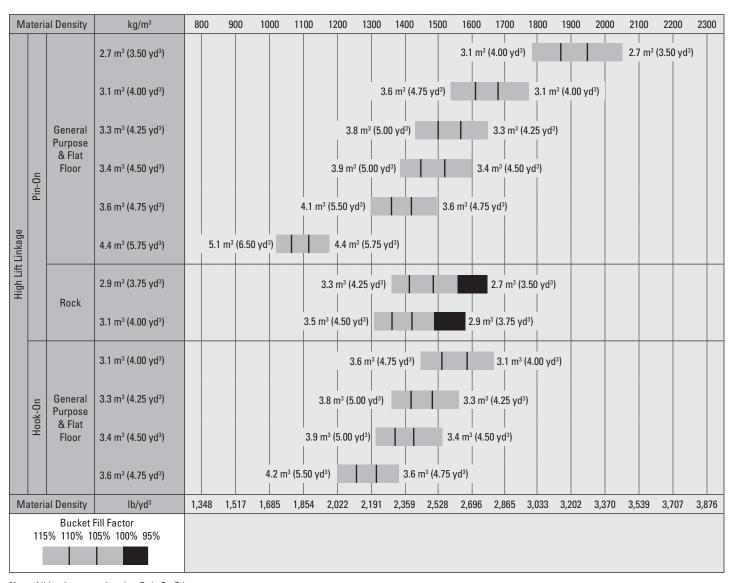
#### **Bucket Fill Factors and Selection Guide**

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

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

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

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



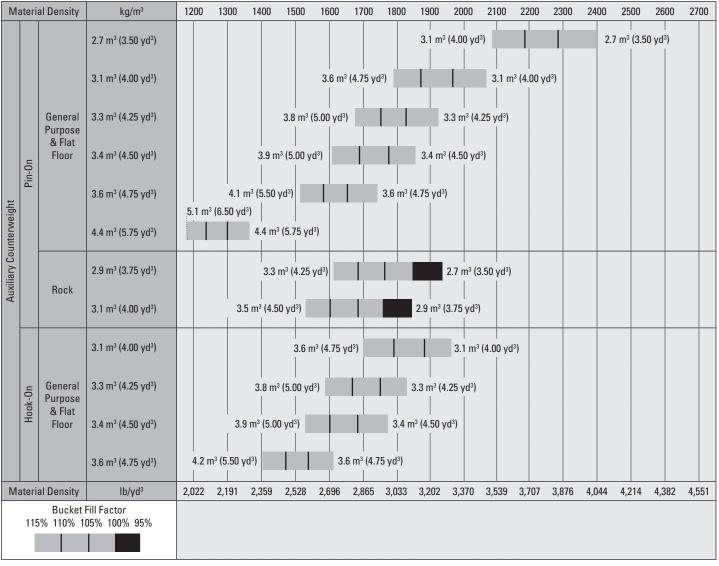
#### **Bucket Fill Factors and Selection Guide**

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

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

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

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



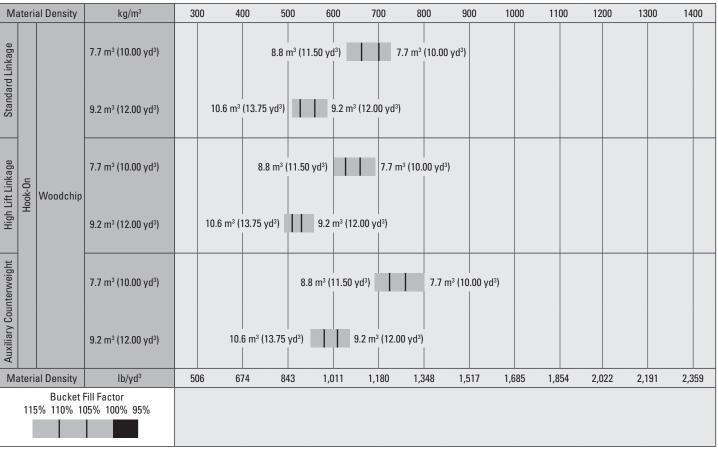
#### **Bucket Fill Factors and Selection Guide**

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

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

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

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



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

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

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

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

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

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

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

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

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

Linkage			Standar	rd Linkage			
Bucket Type		General Purpose – Pin On					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	$m^3$	3.40	3.40	3.60	3.60		
	$yd^3$	4.50	4.50	4.75	4.75		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70	4.00	4.00		
	yd³	4.75	4.75	5.25	5.25		
Width	mm	2927	2994	2927	2994		
	ft/in	9'7"	9'9"	9'7"	9'9"		
16† Dump Clearance at Maximum Lift	mm	2779	2660	2733	2614		
and 45° Discharge	ft/in	9'1"	8'8"	8'11"	8'6"		
17† Reach at Maximum Lift and	mm	1377	1487	1413	1523		
45° Discharge	ft/in	4'6"	4'10"	4'7"	4'11"		
Reach at Level Lift Arm and	mm	2718	2879	2778	2939		
Bucket Level	ft/in	8'11"	9'5"	9'1"	9'7"		
A† Digging Depth	mm	101	101	101	101		
	in	4"	4"	4"	4"		
12† Overall Length	mm	8323	8498	8383	8558		
	ft/in	27'4"	27'11"	27'7"	28'1"		
<b>B</b> † Overall Height with Bucket at	mm	5517	5517	5575	5575		
Maximum Lift	ft/in	18'2"	18'2"	18'4"	18'4"		
Loader Clearance Circle Radius	mm	6702	6785	6719	6802		
with Bucket at Carry Position	ft/in	22'0"	22'4"	22'1"	22'4"		
Static Tipping Load, Straight	kg	12 481	12 340	12 365	12 222		
(With tire deflection)	1b	27,517	27,205	27,260	26,946		
Static Tipping Load, Straight	kg	13 174	13 031	13 060	12 916		
(No tire deflection)	1b	29,044	28,730	28,792	28,475		
Static Tipping Load,	kg	10 786	10 644	10 675	10 533		
Articulated (With tire deflection)	lb	23,779	23,467	23,536	23,222		
Static Tipping Load, Articulated	kg	11 484	11 341	11 376	11 232		
(No tire deflection)	lb	25,319	25,004	25,080	24,764		
Breakout Force(§)	kN	141	140	135	134		
	lbf	31,885	31,618	30,410	30,145		
Operating Weight*	kg	18 152	18 260	18 210	18 318		
	lb	40,017	40,255	40,145	40,383		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Linkage		Standard Linkage							
Bucket Type		Flat Floor	– Pin-On	Flat Floor – Pin-On – Light Material	Flat Floor – Hoo	k-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Teeth and Segments			
Capacity – Rated	$m^3$	3.80	3.80	4.40	3.80	3.80			
	$yd^3$	5.00	5.00	5.75	5.00	5.00			
Capacity – Rated at 110% Fill Factor	$m^3$	4.20	4.20	4.80	4.20	4.20			
	$yd^3$	5.50	5.50	6.25	5.50	5.50			
Width	mm	2927	2994	3059	2927	2994			
	ft/in	9'7"	9'9"	10'0"	9'7"	9'9"			
6† Dump Clearance at Maximum Lift	mm	2631	2505	2575	2596	2470			
and 45° Discharge	ft/in	8'7"	8'2"	8'5"	8'6"	8'1"			
7† Reach at Maximum Lift and	mm	1375	1478	1419	1410	1512			
45° Discharge	ft/in	4'6"	4'10"	4'7"	4'7"	4'11"			
Reach at Level Lift Arm and	mm	2839	3000	2909	2888	3049			
Bucket Level	ft/in	9'3"	9'10"	9'6"	9'5"	10'0"			
A† Digging Depth	mm	109	109	117	109	109			
, 66 6 1	in	4.3"	4.3"	4.6"	4.3"	4.3"			
2† Overall Length	mm	8451	8625	8527	8500	8674			
	ft/in	27'9"	28'4"	28'0"	27'11"	28'6"			
<b>B</b> † Overall Height with Bucket at	mm	5626	5626	5704	5656	5656			
Maximum Lift	ft/in	18'6"	18'6"	18'9"	18'7"	18'7"			
Loader Clearance Circle Radius	mm	6740	6823	6822	6751	6835			
with Bucket at Carry Position	ft/in	22'2"	22'5"	22'5"	22'2"	22'6"			
Static Tipping Load, Straight	kg	12 144	12 001	11 880	11 620	11 478			
(With tire deflection)	lb	26,773	26,459	26,191	25,618	25,305			
Static Tipping Load, Straight	kg	12 827	12 683	12 565	12 296	12 153			
(No tire deflection)	lb	28,279	27,963	27,701	27,108	26,793			
Static Tipping Load,	kg	10 475	10 333	10 222	9969	9828			
Articulated (With tire deflection)	lb	23,095	22,781	22,535	21,979	21,667			
Static Tipping Load, Articulated	kg	11 165	11 021	10 913	10 652	10 509			
(No tire deflection)	lb	24,615	24,298	24,059	23,484	23,168			
Breakout Force(§)	kN	129	127	121	124	123			
	lbf	29,009	28,742	27,368	27,942	27,676			
Operating Weight*	kg	18 259	18 367	18 415	18 723	18 831			
	lb	40,253	40,491	40,597	41,276	41,514			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Linkage		Standard Linkage				
Bucket Type		High Dump — Hook-On — Fusion				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges			
Capacity – Rated	$m^3$	4.30	6.10			
	$yd^3$	5.50	8.00			
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.70	6.70			
	$yd^3$	6.25	8.75			
Width	mm	3029	2910			
	ft/in	9'11"	9'6"			
16† Dump Clearance at Maximum Lift	mm	2406	2299			
and 45° Discharge	ft/in	7'10"	7'6"			
17† Reach at Maximum Lift and	mm	1513	1613			
45° Discharge	ft/in	4'11"	5'3"			
Reach at Level Lift Arm and	mm	3095	3241			
Bucket Level	ft/in	10'1"	10'7"			
A† Digging Depth	mm	171	176			
	in	6.7"	6.9"			
12† Overall Length	mm	8754	8904			
	ft/in	28'9"	29'3"			
<b>B</b> † Overall Height with Bucket at	mm	5663	6035			
Maximum Lift	ft/in	18'7"	19'10"			
Loader Clearance Circle Radius	mm	6882	6875			
with Bucket at Carry Position	ft/in	22'7"	22'7"			
Static Tipping Load, Straight	kg	10 539	10 308			
(With tire deflection)	lb	23,236	22,726			
Static Tipping Load, Straight	kg	11 182	11 011			
(No tire deflection)	lb	24,652	24,276			
Static Tipping Load,	kg	8946	8689			
Articulated (With tire deflection)	lb	19,723	19,156			
Static Tipping Load, Articulated	kg	9596	9396			
(No tire deflection)	lb	21,156	20,715			
Breakout Force(§)	kN	105	95			
1-2	lbf	23,812	21,377			
Operating Weight*	kg	19 298	19 658			
	lb	42,544	43,337			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

42,899

lb

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

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

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

43,289

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

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

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

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

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

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

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

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

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

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

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

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

Linkage		High Lift Linkage					
Bucket Type		General Purpose – Pin-On					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	$m^3$	3.40	3.40	3.60	3.60		
	yd³	4.50	4.50	4.75	4.75		
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.70	4.00	4.00		
	$yd^3$	4.75	4.75	5.25	5.25		
Width	mm	2927	2994	2927	2994		
	ft/in	9'7"	9'9"	9'7"	9'9"		
<b>16</b> † Dump Clearance at Maximum Lift	mm	3274	3156	3228	3109		
and 45° Discharge	ft/in	10'8"	10'4"	10'7"	10'2"		
17† Reach at Maximum Lift and	mm	1445	1555	1481	1591		
45° Discharge	ft/in	4'8"	5'1"	4'10"	5'2"		
Reach at Level Lift Arm and	mm	3124	3285	3184	3345		
Bucket Level	ft/in	10'2"	10'9"	10'5"	10'11"		
A† Digging Depth	mm	123	123	123	123		
	in	4.8"	4.8"	4.8"	4.8"		
12† Overall Length	mm	8835	9007	8895	9067		
	ft/in	29'0"	29'7"	29'3"	29'9"		
<b>B</b> † Overall Height with Bucket at	mm	6012	6012	6071	6071		
Maximum Lift	ft/in	19'9"	19'9"	19'11"	19'11"		
Loader Clearance Circle Radius	mm	6897	6848	6914	6869		
with Bucket at Carry Position	ft/in	22'8"	22'6"	22'9"	22'7"		
Static Tipping Load, Straight	kg	11 762	11 625	11 684	11 547		
(With tire deflection)	lb	25,931	25,630	25,760	25,457		
Static Tipping Load, Straight	kg	12 381	12 244	12 309	12 171		
(No tire deflection)	lb	27,295	26,994	27,136	26,834		
Static Tipping Load,	kg	10 056	9919	9980	9842		
Articulated (With tire deflection)	lb	22,170	21,869	22,002	21,699		
Static Tipping Load, Articulated	kg	10 693	10 557	10 623	10 485		
(No tire deflection)	lb	23,575	23,274	23,419	23,116		
Breakout Force(§)	kN	133	132	127	126		
	lbf	30,050	29,768	28,652	28,373		
Operating Weight*	kg	19 239	19 347	19 297	19 405		
	lb	42,413	42,651	42,541	42,779		

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

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

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

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

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

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

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

Linkage		High Lift Linkage				
Bucket Type	General Purpose – Hook-On – Fusion					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	3.10	3.10	3.30	3.30	
	yd³	4.00	4.00	4.25	4.25	
Capacity – Rated at 110% Fill Factor	$m^3$	3.40	3.40	3.60	3.60	
	$yd^3$	4.50	4.50	4.75	4.75	
Width	mm	2927	2994	2958	2999	
	ft/in	9'7"	9'9"	9'8"	9'10"	
16† Dump Clearance at Maximum Lift	mm	3297	3180	3258	3141	
and 45° Discharge	ft/in	10'9"	10'5"	10'8"	10'3"	
17† Reach at Maximum Lift and	mm	1429	1541	1459	1565	
45° Discharge	ft/in	4'8"	5'0"	4'9"	5'1"	
Reach at Level Lift Arm and	mm	3094	3255	3144	3300	
Bucket Level	ft/in	10'1"	10'8"	10'3"	10'9"	
A† Digging Depth	mm	131	131	131	131	
	in	5.1"	5.1"	5.1"	5.1"	
12† Overall Length	mm	8811	8982	8861	9029	
	ft/in	28'11"	29'6"	29'1"	29'8"	
<b>B</b> † Overall Height with Bucket at	mm	5951	5951	6002	6002	
Maximum Lift	ft/in	19'7"	19'7"	19'9"	19'9"	
Loader Clearance Circle Radius	mm	6890	6972	6918	6988	
with Bucket at Carry Position	ft/in	22'8"	22'11"	22'9"	23'0"	
Static Tipping Load, Straight	kg	11 293	11 158	11 144	11 038	
(With tire deflection)	lb	24,898	24,600	24,570	24,335	
Static Tipping Load, Straight	kg	11 900	11 765	11 757	11 650	
(No tire deflection)	lb	26,235	25,937	25,920	25,685	
Static Tipping Load,	kg	9604	9469	9456	9349	
Articulated (With tire deflection)	lb	21,174	20,875	20,847	20,612	
Static Tipping Load, Articulated	kg	10 229	10 094	10 087	9980	
(No tire deflection)	lb	22,551	22,254	22,238	22,003	
Breakout Force(§)	kN	136	135	130	129	
	lbf	30,722	30,438	29,339	29,098	
Operating Weight*	kg	19 642	19 750	19 768	19 851	
	lb	43,302	43,540	43,580	43,763	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

		High Lift Linkage					
Bucket Type		Flat Floor – Pin-On					
dge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	$m^3$	3.20	3.20	3.40	3.40		
	yd³	4.25	4.25	4.50	4.50		
Capacity – Rated at 110% Fill Factor	$m^3$	3.50	3.50	3.70	3.70		
	yd³	4.50	4.50	4.75	4.75		
Width	mm	2927	2994	2927	2994		
	ft/in	9'7"	9'9"	9'7"	9'9"		
5† Dump Clearance at Maximum Lift	mm	3240	3114	3204	3079		
and 45° Discharge	ft/in	10'7"	10'2"	10'6"	10'1"		
7† Reach at Maximum Lift and	mm	1329	1431	1365	1467		
45° Discharge	ft/in	4'4"	4'8"	4'5"	4'9"		
Reach at Level Lift Arm and	mm	3084	3245	3134	3295		
Bucket Level	ft/in	10'1"	10'7"	10'3"	10'9"		
A† Digging Depth	mm	131	131	131	131		
	in	5.1"	5.1"	5.1"	5.1"		
2† Overall Length	mm	8801	8972	8851	9022		
	ft/in	28'11"	29'6"	29'1"	29'8"		
3† Overall Height with Bucket at	mm	5974	5974	6023	6023		
Maximum Lift	ft/in	19'8"	19'8"	19'10"	19'10"		
Loader Clearance Circle Radius	mm	6753	6834	6770	6851		
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'3"	22'6"		
Static Tipping Load, Straight	kg	11 701	11 566	11 641	11 506		
(With tire deflection)	lb	25,798	25,500	25,665	25,366		
Static Tipping Load, Straight	kg	12 305	12 170	12 250	12 114		
(No tire deflection)	lb	27,128	26,830	27,006	26,707		
Static Tipping Load,	kg	10 011	9876	9952	9816		
Articulated (With tire deflection)	1b	22,071	21,773	21,940	21,640		
Static Tipping Load, Articulated	kg	10 633	10 498	10 578	10 443		
(No tire deflection)	lb	23,442	23,144	23,322	23,023		
Breakout Force(§)	kN	137	136	132	131		
	lbf	31,010	30,726	29,773	29,491		
Operating Weight*	kg	19 196	19 304	19 244	19 352		
	lb	42,318	42,557	42,424	42,662		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Linkage		High Lift Linkage				
Bucket Type		High Dump – H	ook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges			
Capacity – Rated	m <sup>3</sup>	4.30	6.10			
	$yd^3$	5.50	8.00			
Capacity – Rated at 110% Fill Factor	$m^3$	4.70	6.70			
	$yd^3$	6.25	8.75			
Width	mm	3029	2910			
	ft/in	9'11"	9'6"			
16† Dump Clearance at Maximum Lift	mm	2901	2794			
and 45° Discharge	ft/in	9'6"	9'2"			
17† Reach at Maximum Lift and	mm	1581	1681			
45° Discharge	ft/in	5'2"	5'6"			
Reach at Level Lift Arm and	mm	3501	3647			
Bucket Level	ft/in	11'5"	11'11"			
A† Digging Depth	mm	192	197			
	in	7.5"	7.7"			
12† Overall Length	mm	9256	9406			
	ft/in	30'5"	30'11"			
<b>B</b> † Overall Height with Bucket at	mm	6159	6530			
Maximum Lift	ft/in	20'3"	21'6"			
Loader Clearance Circle Radius	mm	7077	7071			
with Bucket at Carry Position	ft/in	23'3"	23'3"			
Static Tipping Load, Straight	kg	10 069	9987			
(With tire deflection)	lb	22,198	22,017			
Static Tipping Load, Straight	kg	10 677	10 670			
(No tire deflection)	lb	23,540	23,524			
Static Tipping Load,	kg	8429	8293			
Articulated (With tire deflection)	lb	18,583	18,284			
Static Tipping Load, Articulated	kg	9057	8994			
(No tire deflection)	lb	19,967	19,830			
Breakout Force(§)	kN	99	89			
	lbf	22,339	20,017			
Operating Weight*	kg	20 385	20 745			
	lb	44,940	45,733			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Linkage		High Lift Linkage				
Bucket Type		Rock, Spade – Pin-On***				
Edge Type		Teeth and Segments	Teeth and Segments			
Capacity – Rated	$m^3$	2.90	3.10			
	$yd^3$	3.75	4.00			
Capacity – Rated at 110% Fill Factor	$m^3$	3.20	3.40			
	$yd^3$	4.25	4.50			
Width	mm	2994	2992			
	ft/in	9'9"	9'9"			
6† Dump Clearance at Maximum Lift	mm	3175	3129			
and 45° Discharge	ft/in	10'5"	10'3"			
7† Reach at Maximum Lift and	mm	1647	1669			
45° Discharge	ft/in	5'4"	5'5"			
Reach at Level Lift Arm and	mm	3366	3416			
Bucket Level	ft/in	11'0"	11'2"			
A† Digging Depth	mm	73	20			
	in	2.8"	0.8"			
2† Overall Length	mm	9084	9134			
	ft/in	29'10"	30'0"			
B† Overall Height with Bucket at	mm	5913	5997			
Maximum Lift	ft/in	19'5"	19'9"			
Loader Clearance Circle Radius	mm	7013	7027			
with Bucket at Carry Position	ft/in	23'1"	23'1"			
Static Tipping Load, Straight	kg	11 789	12 020			
(With tire deflection)	1b	25,991	26,501			
Static Tipping Load, Straight	kg	12 436	12 670			
(No tire deflection)	1b	27,418	27,934			
Static Tipping Load,	kg	10 013	10 247			
Articulated (With tire deflection)	lb	22,076	22,592			
Static Tipping Load, Articulated	kg	10 680	10 917			
(No tire deflection)	lb	23,545	24,067			
Breakout Force(§)	kN	127	123			
	lbf	28,696	27,753			
Operating Weight*	kg	20 392	20 142			
	lb	44,955	44,404			

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

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

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

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

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

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

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

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

22'11"

10 028

22,107

10 654

23,488

8373

18,460

9018

19,882

120

27,151

20 546

45,295

22'10"

9805

21,617

10 430

22,996

8150

17,969

8795

19,389

118

26,677

20 723

45,685

with Bucket at Carry Position

Static Tipping Load, Straight

Static Tipping Load, Straight

Articulated (With tire deflection)

Static Tipping Load, Articulated

(With tire deflection)

(No tire deflection)

Static Tipping Load,

(No tire deflection)

Breakout Force (§)

Operating Weight\*

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

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

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

ft/in

kg

1b

kg

lb

kg

lb

kg

lb

kN

lbf

kg

lb

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

<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				General Purp	ose – Pin-On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	3.10	3.10	3.30	3.30	3.40	3.40
	$yd^3$	4.00	4.00	4.25	4.25	4.50	4.50
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.60	3.60	3.70	3.70
	$yd^3$	4.50	4.50	4.75	4.75	4.75	4.75
Width	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2844	2726	2805	2687	2779	2660
and 45° Discharge	ft/in	9'3"	8'11"	9'2"	8'9"	9'1"	8'8"
17† Reach at Maximum Lift and	mm	1325	1436	1355	1465	1377	1487
45° Discharge	ft/in	4'4"	4'8"	4'5"	4'9"	4'6"	4'10"
Reach at Level Lift Arm and	mm	2633	2794	2683	2844	2718	2879
Bucket Level	ft/in	8'7"	9'2"	8'9"	9'3"	8'11"	9'5"
A† Digging Depth	mm	101	101	101	101	101	101
. 66 6 1	in	4"	4"	4"	4"	4"	4"
12† Overall Length	mm	8250	8425	8300	8475	8335	8510
	ft/in	27'1"	27'8"	27'3"	27'10"	27'5"	28'0"
<b>B</b> † Overall Height with Bucket at	mm	5313	5313	5488	5488	5517	5517
Maximum Lift	ft/in	17'6"	17'6"	18'1"	18'1"	18'2"	18'2"
Loader Clearance Circle Radius	mm	6679	6761	6693	6775	6702	6785
with Bucket at Carry Position	ft/in	21'11"	22'3"	22'0"	22'3"	22'0"	22'4"
Static Tipping Load, Straight	kg	13 747	13 607	13 646	13 506	13 582	13 441
(With tire deflection)	lb	30,307	29,998	30,085	29,775	29,944	29,632
Static Tipping Load, Straight	kg	14 512	14 371	14 414	14 272	14 352	14 209
(No tire deflection)	lb	31,995	31,684	31,779	31,466	31,641	31,327
Static Tipping Load,	kg	11 854	11 714	11 759	11 619	11 699	11 557
Articulated (With tire deflection)	lb	26,134	25,825	25,926	25,615	25,792	25,480
Static Tipping Load, Articulated	kg	12 628	12 487	12 536	12 394	12 477	12 335
(No tire deflection)	lb	27,841	27,530	27,639	27,325	27,508	27,194
Breakout Force(§)	kN	152	150	145	144	141	140
	lbf	34,191	33,922	32,799	32,532	31,885	31,618
Operating Weight*	kg	18 596	18 704	18 641	18 749	18 671	18 779
	lb	40,996	41,234	41,095	41,333	41,161	41,400

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(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		Multi-Purpos	se – Pin-On	Multi-Purpose – H	look-On – Fusion
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	2.80	2.80	2.90	2.90
	$yd^3$	3.50	3.50	3.75	3.75
Capacity – Rated at 110% Fill Factor	$m^3$	3.00	3.00	3.20	3.20
	$yd^3$	4.00	4.00	4.25	4.25
Width	mm	2942	2999	3007	3000
	ft/in	9'7"	9'10"	9'10"	9'10"
6† Dump Clearance at Maximum Lift	mm	2944	2836	2936	2827
and 45° Discharge	ft/in	9'7"	9'3"	9'7"	9'3"
7† Reach at Maximum Lift and	mm	1318	1434	1408	1527
45° Discharge	ft/in	4'3"	4'8"	4'7"	5'0"
Reach at Level Lift Arm and	mm	2538	2695	2615	2776
Bucket Level	ft/in	8'3"	8'10"	8'6"	9'1"
A† Digging Depth	mm	137	137	89	89
	in	5.3"	5.3"	3.5"	3.5"
<b>2</b> † Overall Length	mm	8184	8355	8224	8400
	ft/in	26'11"	27'5"	27'0"	27'7"
<b>B</b> † Overall Height with Bucket at	mm	5268	5268	5354	5354
Maximum Lift	ft/in	17'4"	17'4"	17'7"	17'7"
Loader Clearance Circle Radius	mm	6675	6751	6702	6751
with Bucket at Carry Position	ft/in	21'11"	22'2"	22'0"	22'2"
Static Tipping Load, Straight	kg	13 275	13 123	12 853	12 723
(With tire deflection)	lb	29,268	28,932	28,336	28,049
Static Tipping Load, Straight	kg	14 020	13 866	13 625	13 493
(No tire deflection)	lb	30,910	30,571	30,038	29,748
Static Tipping Load,	kg	11 395	11 242	10 976	10 845
Articulated (With tire deflection)	lb	25,122	24,786	24,198	23,911
Static Tipping Load, Articulated	kg	12 149	11 995	11 756	11 625
(No tire deflection)	lb	26,785	26,445	25,919	25,628
Breakout Force(§)	kN	163	161	152	150
	lbf	36,642	36,325	34,181	33,913
Operating Weight*	kg	18 997	19 115	19 467	19 567
		41,880		*	

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

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

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

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

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

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

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

Linkage		Auxiliary Counterweight			
Bucket Type		High Dump – Hook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	m <sup>3</sup>	4.30	6.10		
	$yd^3$	5.50	8.00		
Capacity – Rated at 110% Fill Factor	m³	4.70	6.70		
	$yd^3$	6.25	8.75		
Width	mm	3029	2910		
	ft/in	9'11"	9'6"		
16† Dump Clearance at Maximum Lift	mm	2406	2299		
and 45° Discharge	ft/in	7'10"	7'6"		
17† Reach at Maximum Lift and	mm	1513	1613		
45° Discharge	ft/in	4'11"	5'3"		
Reach at Level Lift Arm and	mm	3095	3241		
Bucket Level	ft/in	10'1"	10'7"		
A† Digging Depth	mm	171	176		
	in	6.7"	6.9"		
12† Overall Length	mm	8766	8916		
	ft/in	28'10"	29'4"		
B† Overall Height with Bucket at	mm	5663	6035		
Maximum Lift	ft/in	18'7"	19'10"		
Loader Clearance Circle Radius	mm	6882	6875		
with Bucket at Carry Position	ft/in	22'7"	22'7"		
Static Tipping Load, Straight	kg	11 572	11 352		
(With tire deflection)	lb	25,512	25,028		
Static Tipping Load, Straight	kg	12 287	12 137		
(No tire deflection)	lb	27,089	26,758		
Static Tipping Load,	kg	9802	9553		
Articulated (With tire deflection)	lb	21,610	21,061		
Static Tipping Load, Articulated	kg	10 528	10 345		
(No tire deflection)	lb	23,210	22,808		
Breakout Force(§)	kN	105	95		
/	lbf	23,812	21,377		
Operating Weight*	kg	19 817	20 177		
	lb	43,688	44,482		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

19 978

44,043

Operating Weight\*

kg

lb

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

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

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

20 155

44,433

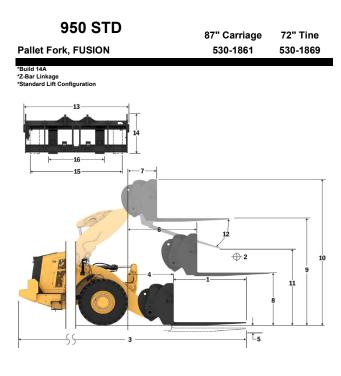
<sup>†</sup> Illustration shown with Dimension charts.

<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**

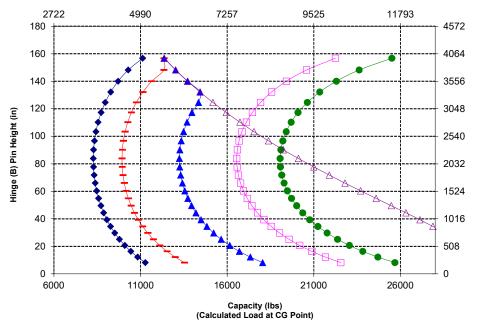
	ik opecifications		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Ceriter	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8642
		lbs	19048
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	7508 16547
		ka	3754
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8274
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4505
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	9928
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5607
		lbs	12358
3	Maximum Overall Length	mm in	9215 362.8
	<u> </u>	mm	1170
4	Reach with Forks at Ground Level	in	46.1
_	*Od*- D-#fTitMi-i U-i-btd E-d-Ll	mm	-167
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-6.6
6	Reach with Arms Horizontal and Forks Level	mm	1682
	Treadil Will 7 till 5 Holl 2011tal and 1 onto 20101	in	66.2
7	Reach with Fork at Maximum Height	mm	910
		in	35.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1743 68.6
_		mm	3671
9	Ground to Top of Tine at Maximum Height and Fork Level	in	144.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4446
10	Overall rieight of Fork at Full Lift (top of carriage to ground)	in	175.1
11	Clearance at Full Lift and Max Dump	mm	2042
•••	Occurance at 1 an Ent and max bump	in	80.4
12	Max Discharge Angle from Horizontal	deg	48
13	Overall Carriage Width	mm	2217 87.3
	<del>-</del>	in mm	840
14	Overall Carriage Height	in	33.1
4-	Outside Time Middle (seem seemed)	mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
	Outside Title Width (mini-spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	, ,	in	5.9
	Tine Thickness	mm in	65.0 2.6
		ka	5246
	Tine Capacity	lbs	11562
	Operating Weight	kg	17785
	Operating weight	lbs	39199



Hinge (B) Pin Height (mm)

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.

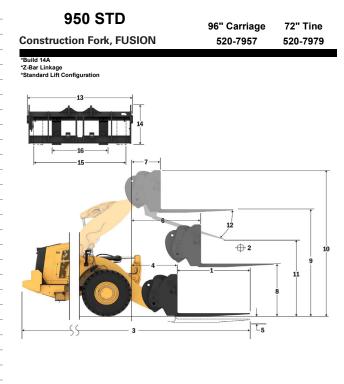
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for



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

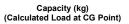
#### **Fork Specifications**

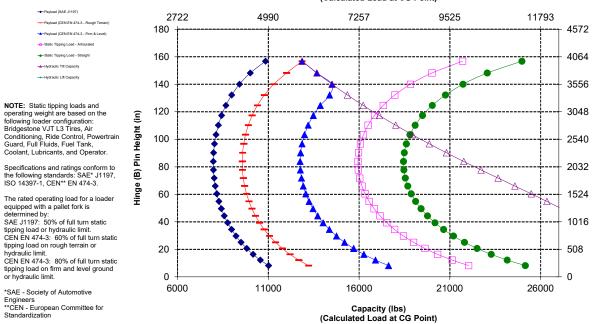
. •	· · · · · · · · · · · · · · · · · · ·		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Edda Octrici	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8366 18439
	Static Tipping Load - Articulated (Forks Level)	kg	7228
	Static Tipping Load - Articulated (Forks Level)	lbs	15932
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3614 7966
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4337
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)	lbs	9559
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	5783 12745
3	Maximum Overall Length	mm	9168
	Maximum Overali Lengui	in	360.9
4	Reach with Forks at Ground Level	mm	1124 44.2
		in mm	-88
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
_		in	66.0
7	Reach with Fork at Maximum Height	mm in	903 35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	Ground to Top of Time with Arms Honzontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3776 148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
	Overall Fleight of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm in	1972 77.6
42	May Disabarga Angle from Herizontal		55
-12	Max Discharge Angle from Horizontal	deg	
13	Overall Carriage Width	mm in	2528 99.5
44	Overall Carriage Height	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
	0 + : 1 = W(       / :           )	mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
		mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	14800
	:::: ==r:::y	lbs	32619
	Operating Weight	kg Ibs	18174 40056
		IDO	70000



Payload (CEN EN 474-3 - Firm & Level

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







or hydraulic limit.

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

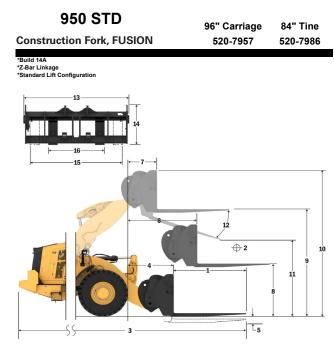
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

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

### **Fork Specifications**

#### **Fork Specifications**

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



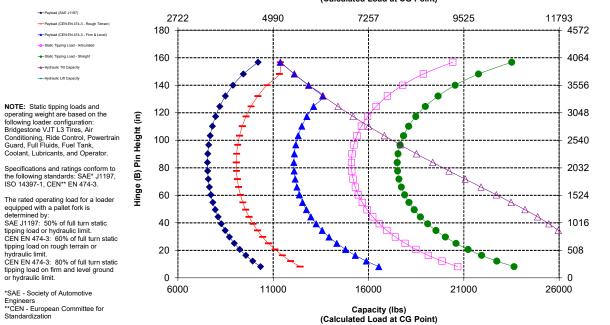
Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

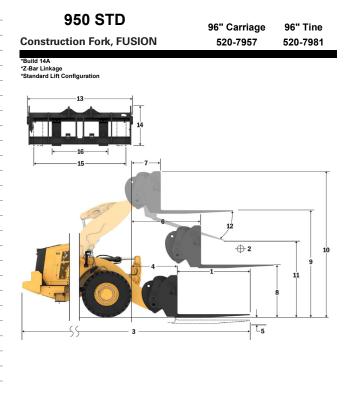
### Capacity (kg) (Calculated Load at CG Point)



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

#### **Fork Specifications**

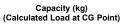
	ik Opcomodions		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Edda Gollion	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	7546 16632
	Static Tinning Load Articulated (Forks Level)	kg	6501
	Static Tipping Load - Articulated (Forks Level)	lbs	14329
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3251 7165
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	3901 8598
	D + 11 + 1/05N 5N 474 0 5'	kg	4604
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	10146
3	Maximum Overall Length	mm	9777
_		in mm	384.9 1124
4	Reach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
	Cround to Bottom of Time at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
_	B 1 20 E 1 144 1 11111	in mm	903
7	Reach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	· · · · · · · · · · · · · · · · · · ·	in mm	72.7 3776
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4816 189.6
11	Clearance at Full Lift and Max Dump	mm	1476
	Oleanarioe at Fair Ein and Max Burip	in	58.1
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2528 99.5
1/	Overall Carriage Height	mm	1130
	Overall Carriage Fielgrit	in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm	576
-10	Outside Title Width (Hill Spread)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
_		in ka	3.5 11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	18299
	Operating Weight	lbs	40332

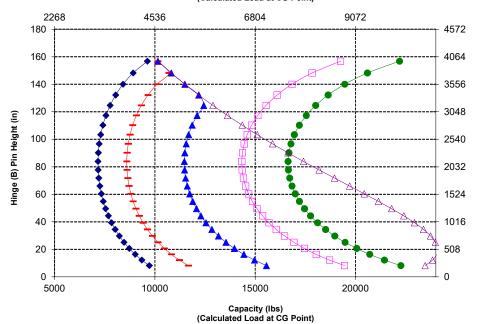


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

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

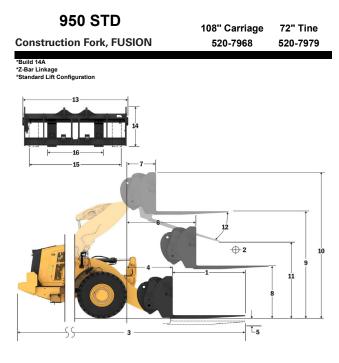
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

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

### **Fork Specifications**

#### **Fork Specifications**

	in opecinications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8332
	, , , , , , , , , , , , , , , , , , ,	lbs ka	18363 7194
	Static Tipping Load - Articulated (Forks Level)	lbs	15856
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3597
	Nated Load (SAE 31197 - 30 % F131L)	lbs	7928
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4317
	((	lbs	9514
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	5755 12685
		mm	9168
3	Maximum Overall Length	in	360.9
4	Reach with Forks at Ground Level	mm	1124
4	Reach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
	Cround to Bottom of time at william thought and fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
		in	66.0
7	Reach with Fork at Maximum Height	mm in	903 35.6
_	0 11 7 77 71 11 11 15 11 1	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
	Ordana to rop or time at waximam rhoight and ronk zever	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
		in	189.6 1972
11	Clearance at Full Lift and Max Dump	mm in	77.6
12	Max Discharge Angle from Horizontal	deg	55
12	Overall Carriage Width	mm	2833
13	Overall Carriage viriditi	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 WIGHT (SHIGHE HITE)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka	14800
		lbs ka	32619 18224
	Operating Weight	lbs	40166
		ina	+0100



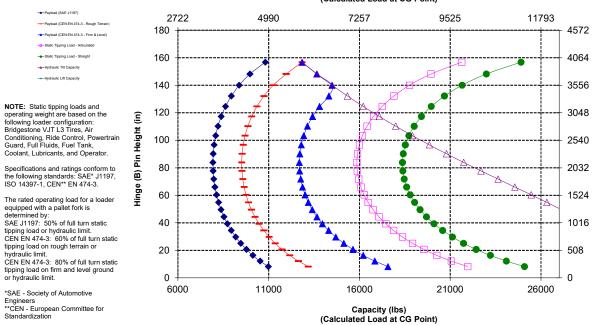
Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

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

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

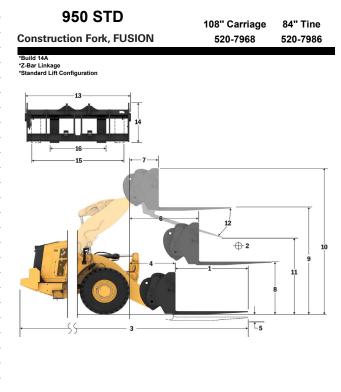




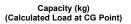
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

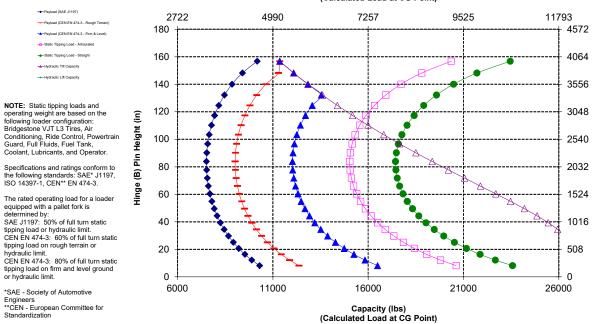
#### **Fork Specifications**

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



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







or hydraulic limit.

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

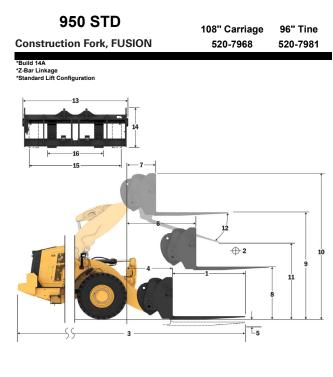
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

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

### **Fork Specifications**

#### **Fork Specifications**

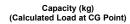
	ik Opecinications		
1	Tine Length	mm	2438 96.0
_	Land Control	in mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	7515
	Static ripping Load - Straight (Forks Level)	lbs	16563
	Static Tipping Load - Articulated (Forks Level)	kg	6470
	Otatio ripping Load - Attioulated (Folks Level)	lbs	14260
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3235
	114104 2044 (0/12 01/0/ 00/0/ 10/2)	lbs	7130
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3882
	······································	lbs	8556
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	4597
		lbs	10132
3	Maximum Overall Length	mm	9777
		in	384.9
4	Reach with Forks at Ground Level	mm	1124
		in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
		in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
		in	66.0
7	Reach with Fork at Maximum Height	mm	903
	<u> </u>	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	<u>'</u>	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
		in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4816
		mm	189.6 1476
11	Clearance at Full Lift and Max Dump	in	58.1
12	Max Discharge Angle from Horizontal	deg	55
		mm	2833
13	Overall Carriage Width	in	111.5
		mm	1130
14	Overall Carriage Height	in	44.5
4-	Outside Time (Middle (see and ad))	mm	2483
15	Outside Tine Width (max spread)	in	97.8
40	Outside Tine Width (min annead)	mm	590
10	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	THE WIGHT (SHIGHE HITE)	in	7.1
	Tine Thickness	mm	90.0
	THIS THISKIESS	in	3.5
	Tine Capacity	kg	11300
	тие оараоцу	lbs	24905
		ka	18349
	Operating Weight		

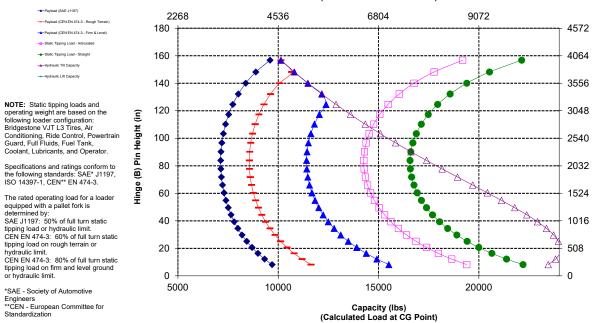


Hinge (B) Pin Height (mm)

Payload (CEN EN 474-3 - Firm & Level

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





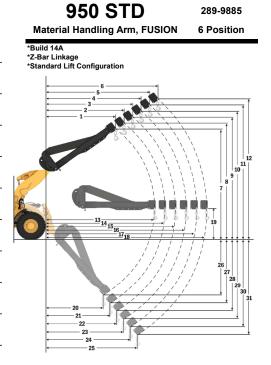


\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

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

### **Material Handling Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
M 1.75 11 15 11 15 11 16 10 10 10 15 10)	mm	2,103	2,234	2,365	2,495	2,626	2,757
lax Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	6' 10"	7' 3"	7' 9"	8' 2"	8' 7"	9' 0"
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	mm	6,854	7,129	7,405	7,680	7,955	8,231
wax Litt - Hook Eyelet Height (7, 6, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 2"	26' 1"	27' 0"
	mm	4,540	4,845	5,150	5,454	5,759	6,064
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	14' 10"	15' 10"	16' 10"	17' 10"	18' 10"	19' 10"
Level - Hook Eyelet Height (19)	mm	1,813	1,813	1,813	1,813	1,813	1,813
	ft, in	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"
F 17 11 1 F 1 1 B 1 100 01 00 00 01 05	mm	1,315	1,407	1,499	1,591	1,683	1,774
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	4' 3"	4' 7"	4' 11"	5' 2"	5' 6"	5' 9"
Nr. 1-77 11 1 5 1 1 11 1 1 1 1 1 1 1 1 1 1 1 1	mm	(3,004)	(3,295)	(3,585)	(3,876)	(4,167)	(4,457
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-9' 1"	-10' 2"	-11' 2"	-12' 3"	-13' 3"	-14' 4"
Chaffe Timelers I and Chaffeha	kg	5,587	5,278	5,001	4,750	4,523	4,316
Static Tipping Load, Straight	lb	12,313	11,633	11,022	10,470	9,969	9,512
0.5.7	kg	4,866	4,596	4,354	4,135	3,936	3,755
Static Tipping Load, Articulated	lb	10,724	10,129	9,595	9,113	8,675	8,275
o	kg	17,496	17,496	17,496	17,496	17,496	17,496
Operating Weight		38,562	38,562	38,562	38,562	38.562	38,562





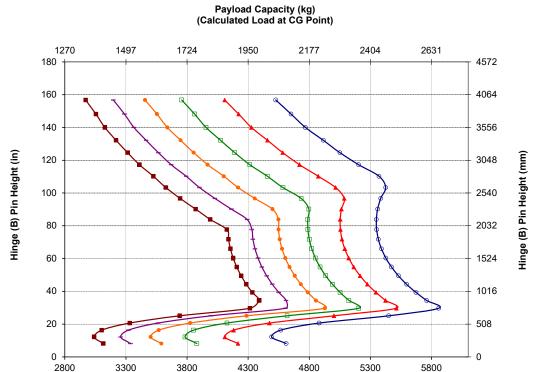
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1

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

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

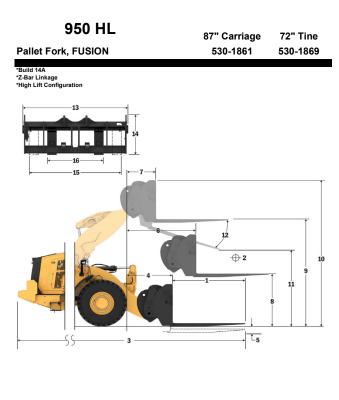
\*SAE - Society of Automotive Engineers



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

### **Fork Specifications**

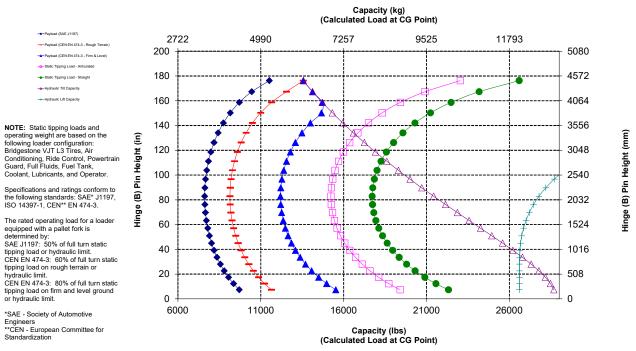
Fo	rk Specifications		
1	Tine Length	mm	1830
_		in mm	72.0 915
2	Load Center	in	36.0
	Otatia Timeira I and Otaninkt (Forder I area)	ka	8037
	Static Tipping Load - Straight (Forks Level)	lbs	17714
	Static Tipping Load - Articulated (Forks Level)	kg	6909
	(	lbs	15228
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3455 7614
		ka	4146
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9137
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5528
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F131L)	lbs	12183
3	Maximum Overall Length	mm	9709
	maximam overall congui	in	382.3
4	Reach with Forks at Ground Level	mm	1652
		in mm	65.0 -189
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-7.4
6	Reach with Arms Horizontal and Forks Level	mm	2088
•	Reach with Arms nonzonial and Porks Level	in	82.2
7	Reach with Fork at Maximum Height	mm	978
	Trouble Harrison at maximum riolgin	in	38.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1743
	<u> </u>	in mm	68.6 4167
9	Ground to Top of Tine at Maximum Height and Fork Level	in	164.0
40	O	mm	4942
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	194.6
11	Clearance at Full Lift and Max Dump	mm	2609
•••	Oldaranoe at Fair Lift and Max Bump	in	102.7
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217 87.3
	0 10 1 11 11	mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
	Outside Title Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm	150.0
		in mm	5.9 65.0
	Tine Thickness	in	2.6
	Tine Canacity	ka	5246
	Tine Capacity	lbs	11562
	Operating Weight	kg	18872
	operating resigns	lbs	41594



- Payload (CEN EN 474-3 - Rough Ter

Coolant, Lubricants, and Operator

Payload (CEN EN 474-3 - Firm & Level



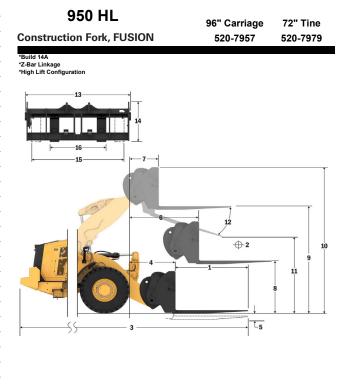


\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

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

#### **Fork Specifications**

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

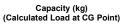


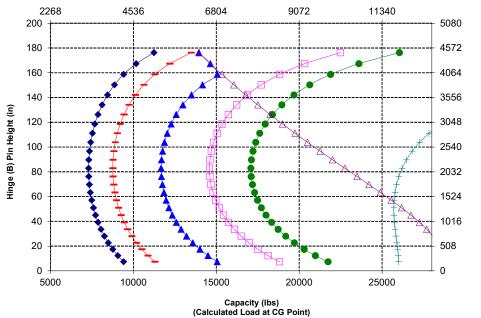
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

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

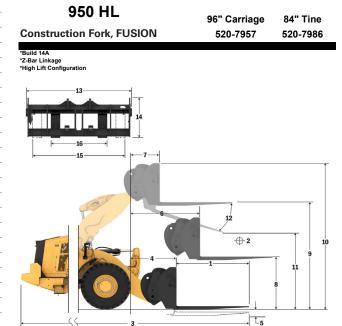
> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

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

### **Fork Specifications**

#### **Fork Specifications**

	ik opecifications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Ceriter	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	7382
		lbs	16270 6295
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13874
		kg	3147
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	6937
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3777
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	8324
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5036
		lbs	11099
3	Maximum Overall Length	mm	9974
	<del>-</del>	in mm	392.7 1613
4	Reach with Forks at Ground Level	in	63.5
_	**	mm	-109
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-4.3
6	Reach with Arms Horizontal and Forks Level	mm	2081
	Neach with Arms Horizontal and Forks Level	in	81.9
7	Reach with Fork at Maximum Height	mm	971
	Trouble Marie on at maximum rought	in	38.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	·	in	72.7 4271
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	168.2
		mm	5311
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.1
11	Clearance at Full Lift and Max Dump	mm	2291
-''	Clearance at Full Lift and Max Dump	in	90.2
12	Max Discharge Angle from Horizontal	deg	51
	max biomargo / mgio mom monicontar		
13	Overall Carriage Width	mm	2528
		in mm	99.5 1130
14	Overall Carriage Height	in	44.5
	- · · · · - · · · · · · · · · · · · · ·	mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
-10	Outside Title Width (Hill Spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	ino man (ongo mo)	in	7.1
	Tine Thickness	mm	90.0
_		in	3.5
	Tine Capacity	ka Ibs	12700 27991
		kg	19324
	Operating Weight	lbs	42590
	*** ** * * * * * * * * * * * * * * * * *	100	550



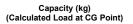
Hinge (B) Pin Height (mm)

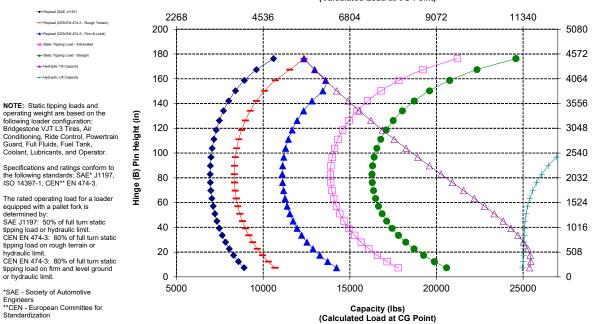
Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator.

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

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.







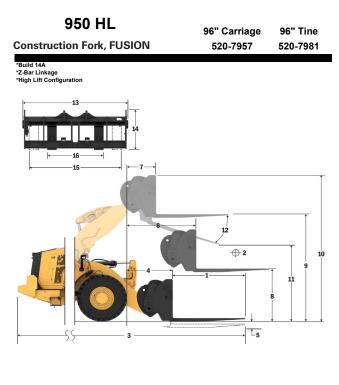
or hydraulic limit.

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

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

#### **Fork Specifications**

	ik Opcomounons		
1	Tine Length	mm in	2438 96.0
_	Land Contra	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	7041
	Static Tipping Load - Straight (Forks Level)	lbs	15518
	Static Tipping Load - Articulated (Forks Level)	kg	5994
	(	lbs	13210
	Rated Load (SAE J1197 - 50% FTSTL)	kg	2997
	,	lbs	6605 3596
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7926
		kg	4795
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	10568
_		mm	10278
3	Maximum Overall Length	in	404.6
_	5 1 7 5 1 10 11 1	mm	1613
4	Reach with Forks at Ground Level	in	63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-109
Э	Ground to bottom or time at willimum height and Fork Level	in	-4.3
6	Reach with Arms Horizontal and Forks Level	mm	2081
_	Neach With Anns Honzontal and Forks Level	in	81.9
7	Reach with Fork at Maximum Height	mm	971
	Troubit Mari on at maximum rought	in	38.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	<u> </u>	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4271 168.2
		mm	5311
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.1
		mm	2054
11	Clearance at Full Lift and Max Dump	in	80.9
40	Mary Disabassas Assala forms Harisandal		
12	Max Discharge Angle from Horizontal	deg	51
12	Overall Carriage Width	mm	2528
10	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
•••	O Totali Odinago noigh	in	44.5
15	Outside Tine Width (max spread)	mm	2178
	- ( 1 /	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
		mm	180.0
	Tine Width (single tine)	in	7.1
	Tion Third and	mm	90.0
	Tine Thickness	in	3.5
	Tino Conocity	kg	11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	19386
	Operating weight	lbs	42727

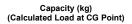


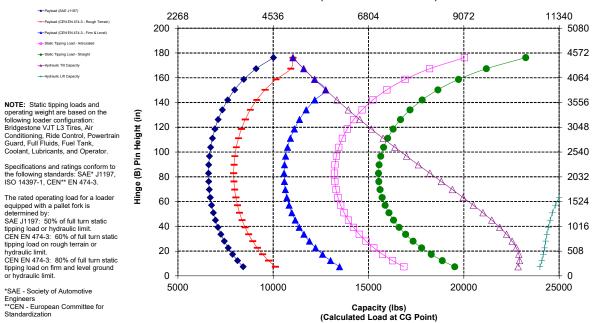
\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

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





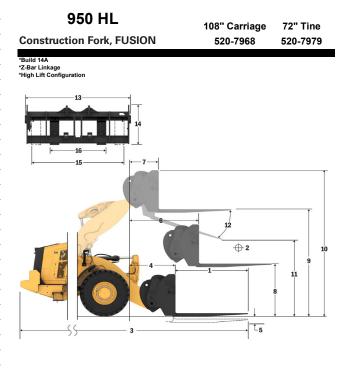
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

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

### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
_		mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	7712
	Static ripping Load - Straight (Forks Level)	lbs	16997
	Static Tipping Load - Articulated (Forks Level)	kg	6582
	otatio ripping zoda i rationatioa (i onto zovot)	lbs	14506
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3291
		lbs	7253 3949
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8704
	D	kg	5265
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	1160
3	Maximum Overall Length	mm	9669
	IVIAXIITIUITI OVETAII LETIGUT	in	380.7
4	Reach with Forks at Ground Level	mm	1613
	Trought Mari Forms at Ground 2010.	in	63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-109
		in	-4.3
6	Reach with Arms Horizontal and Forks Level	mm	2081 81.9
		in mm	971
7	Reach with Fork at Maximum Height	in	38.2
_	Constitution of Tax of Tax or the Association of Tax of Ta	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4271
	Cround to Top of Title at Maximum Height and Tork Level	in	168.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5311
	(1 5 5 )	in	209.1
11	Clearance at Full Lift and Max Dump	mm	2530
	<u> </u>	in	99.6
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
	oronan camago rrian	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
	Title Width (Single title)	in	7.1
	Tine Thickness	mm	90.0
	THE THERESE	in	3.5
	Tine Capacity	kq	1480
	: 1 - 7	lbs	32619
	Operating Weight	kq	1931
	· · ·	lbs	4256



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

- Payload (CEN EN 474-3 - Rough Ter

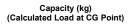
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant Livicants and Operator

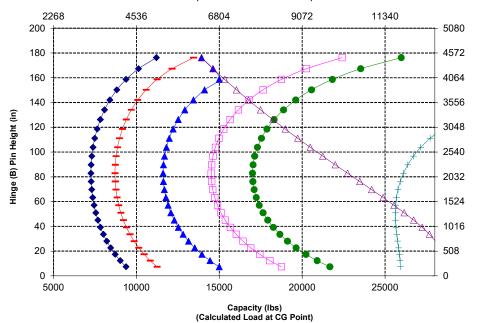
Coolant, Lubricants, and Operator.

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.

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





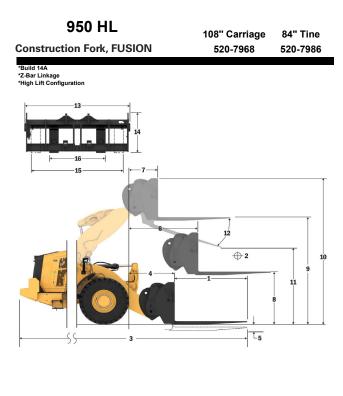


or hydraulic limit.

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

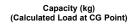
#### **Fork Specifications**

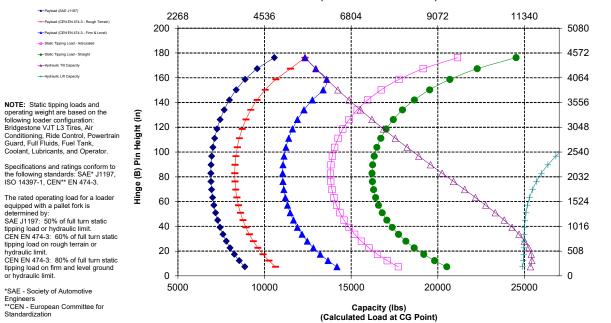
_			
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Oction	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	7348
		lbs ka	16196 6261
	Static Tipping Load - Articulated (Forks Level)	lbs	13800
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3131
	Nated Load (SAE 31197 - 30 % F131L)	lbs	6900
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3757
	,	lbs	8280 5009
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	11040
_		mm	9974
3	Maximum Overall Length	in	392.7
4	Reach with Forks at Ground Level	mm	1613
	Treach with Forks at Glound Level	in	63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-109
_	<u> </u>	in	-4.3
6	Reach with Arms Horizontal and Forks Level	mm in	2081 81.9
_		mm	971
7	Reach with Fork at Maximum Height	in	38.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	Ground to Top of Title With Arths Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4271
	<u> </u>	in mm	168.2 5311
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.1
	Ol	mm	2291
11	Clearance at Full Lift and Max Dump	in	90.2
12	Max Discharge Angle from Horizontal	deg	51
	max 2 loonal go 7 li gio Irom 11012011ali		
13	Overall Carriage Width	mm in	2833 111.5
		mm	1130
14	Overall Carriage Height	in	44.5
4.5	Outside Tine Width (max spread)	mm	2483
10	Outside Title Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	····- ···- ··· ··· · ··· · · · ·	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	The Thisters	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12700
	Tino Oupdoity	lbs	27991
	Operating Weight	ka	19373
_	· · ·	lbs	42698



\*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

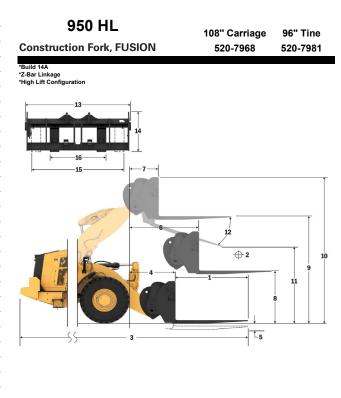


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

### **Fork Specifications**

#### **Fork Specifications**

	nk opecinications		
1	Tine Length	mm	2438 96.0
		in mm	1219
2	Load Center	in	48.0
	O. C. T O	kg	7008
	Static Tipping Load - Straight (Forks Level)	lbs	15445
	Static Tinning Load Articulated (Forks Level)	kg	5960
	Static Tipping Load - Articulated (Forks Level)	lbs	13137
	Rated Load (SAE J1197 - 50% FTSTL)	kg	2980
	Nated Load (SAE 31197 - 30 % F131L)	lbs	6568
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3576
	Traica Eda (OEIT EIT TIT O Trough Terrain - 00701 TOTE)	lbs	7882
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	4768
	Trained Edita (OEIT EIT II TOTIIII and Editor Ground Governore)	lbs	10509
3	Maximum Overall Length	mm	10278
		in	404.6
4	Reach with Forks at Ground Level	mm	1613
	<u> </u>	in	63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-109
		in	-4.3
6	Reach with Arms Horizontal and Forks Level	mm	2081
_		in	81.9
7	Reach with Fork at Maximum Height	mm	971 38.2
	<u> </u>	in mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
		mm	4271
9	Ground to Top of Tine at Maximum Height and Fork Level	in	168.2
	0	mm	5311
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.1
	01	mm	2054
11	Clearance at Full Lift and Max Dump	in	80.9
42	May Discharge Angle from Harizontal	don	E4
12	Max Discharge Angle from Horizontal	deg	51
12	Overall Carriage Width	mm	2833
	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
	Overall Carriage Fieight	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Catolae Tine Trial (max oprodu)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	·	in	23.2
	Tine Width (single tine)	mm	180.0
	· · · ·	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	11300 24905
		ka	19436
	Operating Weight	lbs	42837
_		IDS	72031

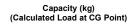


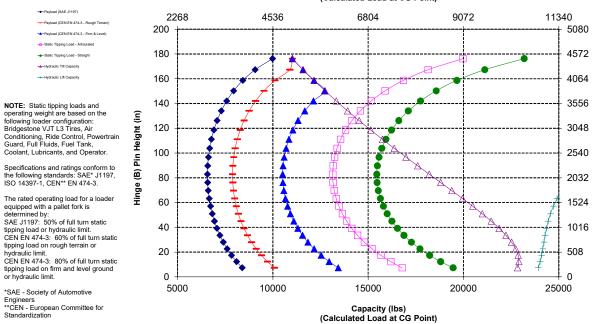
Hinge (B) Pin Height (mm)

\*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.



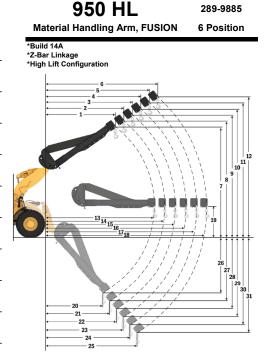


or hydraulic limit.

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

### **Material Handling Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
M 17 H 15 11B 1 (400 450)	mm	1,888	1,991	2,095	2,198	2,302	2,406
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)		6' 2"	6' 6"	6' 10"	7' 2"	7' 6"	7' 10"
May Lift Hook Evolet Height (7 9 0 40 44 42)	mm	7,492	7,779	8,066	8,352	8,639	8,926
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	24' 6"	25' 6"	26' 5"	27' 4"	28' 4"	29' 3"
Lavel Harl Frield Break (42, 44, 45, 46, 47, 40)	mm	4,946	5,251	5,556	5,860	6,165	6,470
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	16' 2"	17' 2"	18' 2"	19' 2"	20' 2"	21' 2"
Level - Hook Eyelet Height (19)	mm	1,813	1,813	1,813	1,813	1,813	1,813
ever - Hook Eyelet Height (19)	ft, in	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"
#= 1:# Hardy Fresht Barack (00, 04, 00, 00, 04, 05)	mm	3,225	3,442	3,659	3,875	4,092	4,309
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	10' 6"	11' 3"	12' 0"	12' 8"	13' 5"	14' 1"
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	mm	(2,299)	(2,514)	(2,728)	(2,942)	(3,157)	(3,371)
Min Liit - Hook Eyelet Height (26, 27, 26, 29, 30, 31)	ft, in	-7' 5"	-8' 9"	-8' 0"	-9' 4"	-10' 7"	-11' 11"
Static Tipping Load, Straight	kg	5,418	5,138	4,885	4,655	4,445	4,253
Static Tipping Load, Straight	lb	11,940	11,324	10,767	10,260	9,798	9,373
Challe Time in all and Additional and	kg	4,673	4,431	4,212	4,012	3,831	3,664
Static Tipping Load, Articulated		10,298	9,765	9,282	8,844	8,443	8,075
Operating Weight	kg	18,583	18,583	18,583	18,583	18,583	18,583
Operating weight	lb	40,957	40,957	40,957	40,957	40,957	40,957





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

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1

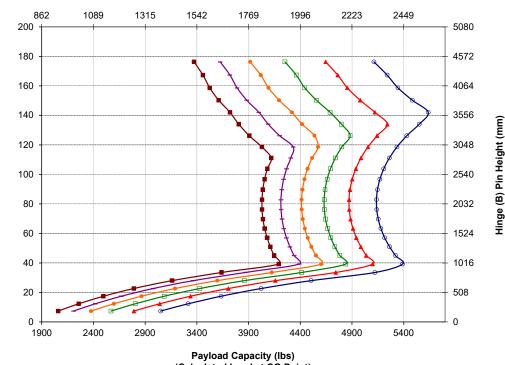
Hinge (B) Pin Height (in)

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

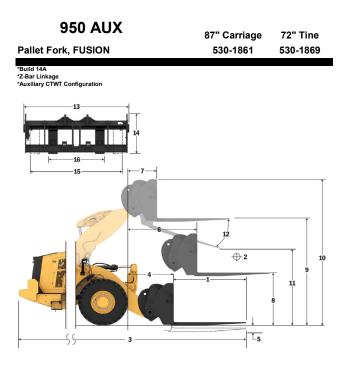
# Payload Capacity (kg) (Calculated Load at CG Point)



### **Fork Specifications**

Fork Specification	ıs
--------------------	----

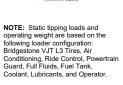
-	openious		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9396
		lbs	20709
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	8135 17930
		kg	4068
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8965
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4881
	Rated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	10758
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5607
	Traise Estat (SEIT EIT II FOT IIII and Estat Stoale Stoale Stoale	lbs	12358
3	Maximum Overall Length	mm	9227
_	<u> </u>	in mm	363.3 1170
4	Reach with Forks at Ground Level	in	46.1
_	*O D. # (T M.)	mm	-167
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-6.6
6	Reach with Arms Horizontal and Forks Level	mm	1682
٥	Reach with Arris Horizontal and Forks Level	in	66.2
7	Reach with Fork at Maximum Height	mm	910
_	Troubil Mari on at maximum riolgit	in	35.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1743
	<u> </u>	in mm	68.6 3671
9	Ground to Top of Tine at Maximum Height and Fork Level	in	144.5
	0 1111111111111111111111111111111111111	mm	4446
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	175.1
11	Clearance at Full Lift and Max Dump	mm	2042
• • •	Clearance at Full Lift and Max Dump	in	80.4
12	Max Discharge Angle from Horizontal	deg	48
	max 2 too harge 7 trigle from 1 to 12 strain		
13	Overall Carriage Width	mm	2217
		in mm	87.3 840
14	Overall Carriage Height	in	33.1
	O C C T MON / D	mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
	Outside Title Width (Illin spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	(9)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6 5246
	Tine Capacity	ka Ibs	11562
	0 " W'''	ka	18304
	Operating Weight	lbs	40343
_		IDS	40340



Hinge (B) Pin Height (mm)

Payload (CEN EN 474-3 - Firm & Level

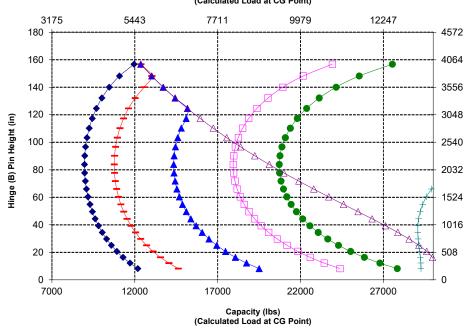




Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

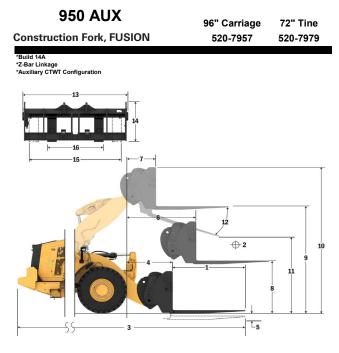




<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

	opoomoutono		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9121
		lbs	20104 7857
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	17317
	D	kg	3929
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8659
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4714
	rtated Edad (OEIV EIV 474-0 Hough Tenam - 00701 TOTE)	lbs	10390
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5832
_		lbs mm	12855 9180
3	Maximum Overall Length	in	361.4
4	Reach with Forks at Ground Level	mm	1124
-	Reacti with Forks at Glound Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
_	<u> </u>	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1675 66.0
_	B 1 20 E 1 144 1 11111	mm	903
7	Reach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
_	Ordana to Top or time man / time rionzontar and rion zoron	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3776 148.7
		mm	4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1972
••	Clearance at 1 till Lint and Wax Dump	in	77.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2528
		in mm	99.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
13	Outside Title Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	· · · ·	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kq	14800
	• 1 •	lbs	32619
	Operating Weight	ka Ibs	18693 41200
		เมร	41200

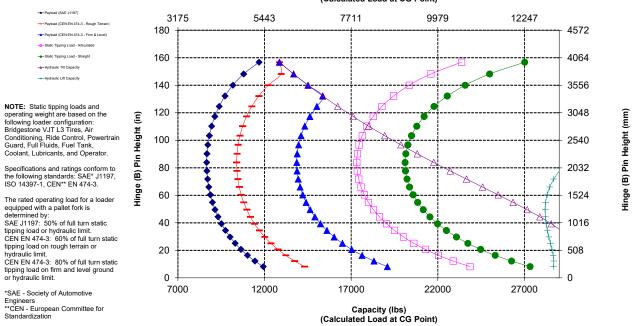


Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

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





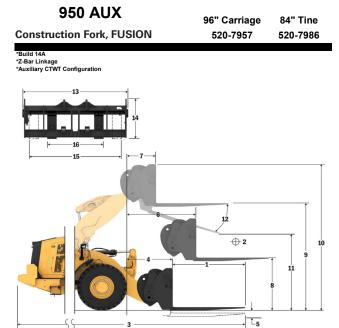


<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

Fork Specifications	ork	Spec	ificat	ions
---------------------	-----	------	--------	------

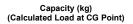
Tine Length	mm in	2134
		84.0
Load Center	mm	1067
Load Center	in	42.0
Static Tipping Load - Straight (Forks Level)	kg	8664
,	lbs	19095 7453
Static Tipping Load - Articulated (Forks Level)	kg lbs	16428
D-1-111(OAE 14407 FOR FTOTI)	kg	3727
Rated Load (SAE J1197 - 50% FTSTL)	lbs	8214
Rated Load (CEN EN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

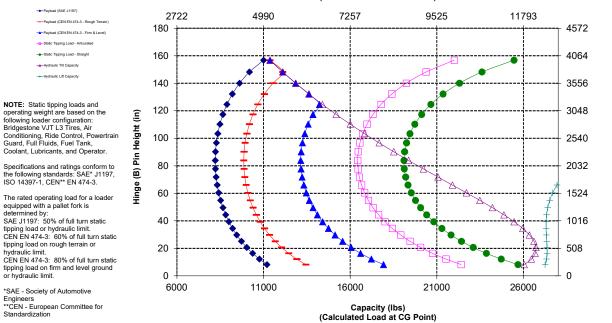


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level





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.

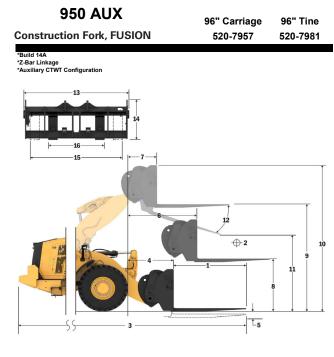
Coolant, Lubricants, and Operator

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



#### **Fork Specifications**

	ik opecilications		
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	8241
	Claire Tipping 2544 Chargin (1 Sino 2575)	lbs	18164
	Static Tipping Load - Articulated (Forks Level)	kg lbs	7080 15605
		kg	3540
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7802
	D + 11	kg	4248
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9363
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	4604
	Rated Load (CEN EN 474-3 Film and Level Gloding - 60 % F131L)	lbs	10146
3	Maximum Overall Length	mm	9789
ŭ	Waxinan Overali Eengar	in	385.4
4	Reach with Forks at Ground Level	mm	1124
		in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
		in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1675 66.0
_		mm	903
7	Reach with Fork at Maximum Height	in	35.6
_	0 11 7 77 71 4 11 1 15 11 1	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
9	Ground to Top of Title at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
	everall fleight of Fork at Fall Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1476
		in	58.1
12	Max Discharge Angle from Horizontal	deg	55
		mm	2528
13	Overall Carriage Width	in	99.5
	0 110 : 11:11	mm	1130
14	Overall Carriage Height	in	44.5
45	Outside Tine Width (max spread)	mm	2178
15	Outside Title Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Outside Title Width (Illin Spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	···- ··· (-···g·- ···-/	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	11300
	· · · · · · · · · · · · · · · · · · ·	lbs	24905
	Operating Weight	kg lbs	18818 41476
		เมธ	+14/0

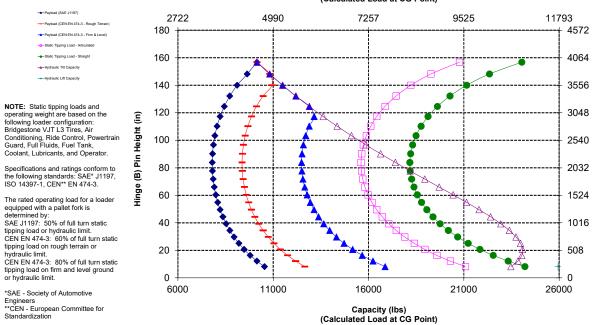


\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

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



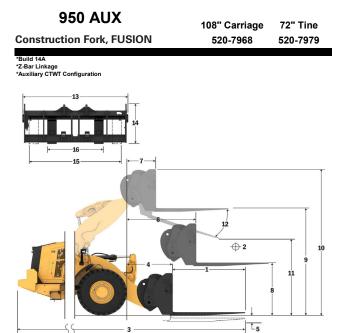
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

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

### **Fork Specifications**

Fork Specifications	ork	Spec	ificat	ions
---------------------	-----	------	--------	------

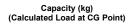
_	opoomounomo		
1	Tine Length	mm in	1829 72.0
_	Load Contar	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9087
	otatio ripping 2000 otalign (1 onto 2010)	lbs	20028
	Static Tipping Load - Articulated (Forks Level)	kg lbs	7823 17242
	· · · · · · · · · · · · · · · · · · ·	kg	3911
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8621
	Detect Level (OFN FN 474 0 Decemb Terresia, COO/ FTOTI )	kg	4694
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10345
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5824
	Traced Load (OLIV LIV 474-51 IIIII and Level Ordand - 00701 101L)	lbs	12836
3	Maximum Overall Length	mm	9180
_	maximum overall congui	in	361.4
4	Reach with Forks at Ground Level	mm	1124
		in mm	44.2 -88
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
_		mm	1675
6	Reach with Arms Horizontal and Forks Level	in	66.0
7	Reach with Fork at Maximum Height	mm	903
′	Reach with Fork at Maximum Fielght	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
_		in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
		in mm	148.7 4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
	0	mm	1972
11	Clearance at Full Lift and Max Dump	in	77.6
12	Max Discharge Angle from Horizontal	deg	55
12	Max Discharge Angle Iron Horizontal	ueg	
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm in	1130 44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
40	Outside Tine Width (min annead)	mm	590
10	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	The Trial (ongo the)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq lbs	14800 32619
_		ka	18743
	Operating Weight	lbs	41310
_		IDO	71010

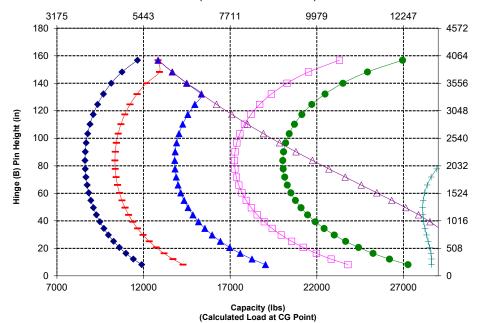


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level





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

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

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

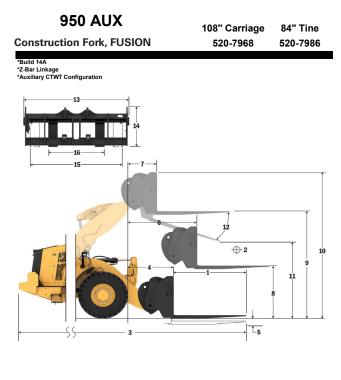
\*SAE - Society of Automotive

Engineers
\*\*CEN - European Committee for



#### **Fork Specifications**

	ik opecinoations		
1	Tine Length	mm	2134 84.0
_		in mm	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8632
	Static Tipping Load - Straight (Forks Level)	lbs	1902
	Static Tipping Load - Articulated (Forks Level)	kg	7422
	otatio ripping 2000 / italoulatou (r otho 2010)	lbs	1635
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3711
		lbs	8179 4453
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	9814
_		kg	5152
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	1135
_		mm	9485
3	Maximum Overall Length	in	373.4
4	Reach with Forks at Ground Level	mm	1124
-	Reacti with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
_	Croana to Bottom or timo at miniman riorgin and rom 2010	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
_		in	66.0
7	Reach with Fork at Maximum Height	mm	903
_	<u> </u>	in mm	35.6 1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
_	0 11 7 77 111 1 1111 15 11 1	mm	3776
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1723
••	Clearance at 1 dir Elit and Max Bump	in	67.8
12	Max Discharge Angle from Horizontal	deg	55
	<b>5 5</b>		0000
13	Overall Carriage Width	mm in	2833 111.5
		mm	1130
14	Overall Carriage Height	in	44.5
	O + : 1 T - 14: 11 /	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
10	Outside Title Width (Hill Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	1270
_		lbs	2799 1880
	Operating Weight	kq lbs	4144
		ยยร	4144

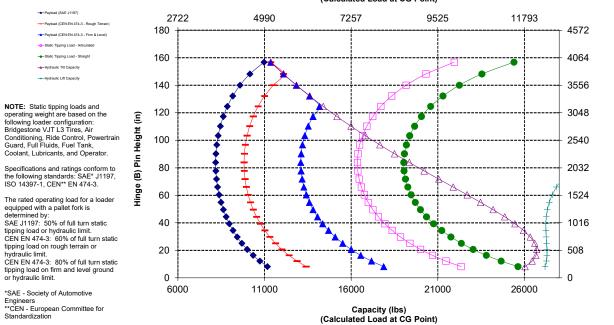


\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

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

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



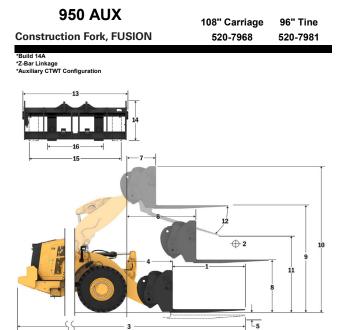
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

> 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	2438 96.0
2	Load Center	in mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8210
	Otatio ripping Load - Otatignt (Fond Level)	lbs	18094
	Static Tipping Load - Articulated (Forks Level)	kg	7049
	· · · · · · · · · · · · · · · · · · ·	lbs	15535 3524
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7768
		ka	4229
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9321
	Detect of a COEN EN 474 2 Firm and Level Occurred 1999/ ETCTL)	kg	4597
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	10132
3	Maximum Overall Length	mm	9789
3	Maximum Overali Lengti	in	385.4
4	Reach with Forks at Ground Level	mm	1124
_	Treasin with Forms at Ground Eever	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
_	<del></del>	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
_		in	66.0
7	Reach with Fork at Maximum Height	mm in	903 35.6
_		mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
_	0 11 7 77 111 1 1111 15 11 1	mm	3776
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1476
••	Olearance at 1 uli Liit and wax bump	in	58.1
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2833 111.5
		in mm	1130
14	Overall Carriage Height	in	44.5
	- · · · - · · · · · · · · · · · · · · ·	mm	2483
15	Outside Tine Width (max spread)	in	97.8
40	Outside Time Midth (sein sense d)	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
	1915 1195001555	in	3.5
	Tine Capacity	ka	11300
	* 1 7	lbs	24905
	Operating Weight	kq	18868
	· • •	lbs	41586



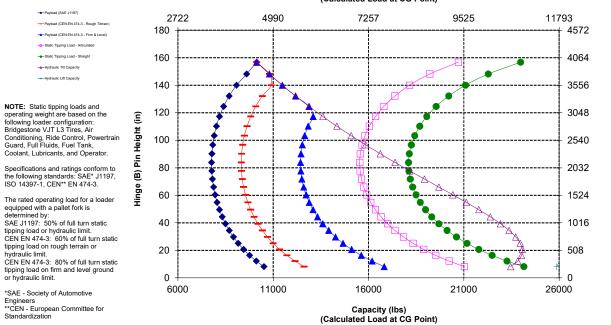
Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level

Coolant, Lubricants, and Operator

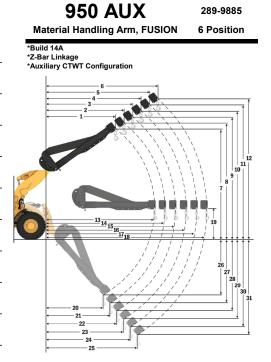
### Capacity (kg) (Calculated Load at CG Point)



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

### **Material Handling Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
M 1.77 11 1.5 1.15 1.4 0.0 4.5 0)	mm	2,103	2,234	2,365	2,495	2,626	2,757
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	6' 10"	7' 3"	7' 9"	8' 2"	8' 7"	9' 0"
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	mm	6,854	7,129	7,405	7,680	7,955	8,231
wax Litt - Hook Eyelet Height (7, 6, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 2"	26' 1"	27' 0"
	mm	4,540	4,845	5,150	5,454	5,759	6,064
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	14' 10"	15' 10"	16' 10"	17' 10"	18' 10"	19' 10"
	mm	1,813	1,813	1,813	1,813	1,813	1,813
Level - Hook Eyelet Height (19)	ft, in	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"
M. 1.7. 11 1 5 1 1 B 1 1 (22 24 22 22 24 25)	mm	1,315	1,407	1,499	1,591	1,683	1,774
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	4' 3"	4' 7"	4' 11"	5' 2"	5' 6"	5' 9"
Mr. 1.77. 11 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .	mm	(3,004)	(3,295)	(3,585)	(3,876)	(4,167)	(4,457
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-9' 1"	-10' 2"	-11' 2"	-12' 3"	-13' 3"	-14' 4"
Challe Timeler Land Charlet	kg	6,074	5,740	5,439	5,168	4,921	4,696
Static Tipping Load, Straight	lb	13,388	12,650	11,988	11,390	10,846	10,351
0.5.7	kg	5,274	4,982	4,720	4,484	4,269	4,073
Static Tipping Load, Articulated	lb	11,623	10,981	10,404	9,883	9,409	8,977
0	kg	18,015	18,015	18,015	18,015	18,015	18,015
Operating Weight		39.706	39.706	39,706	39.706	39.706	39.706





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

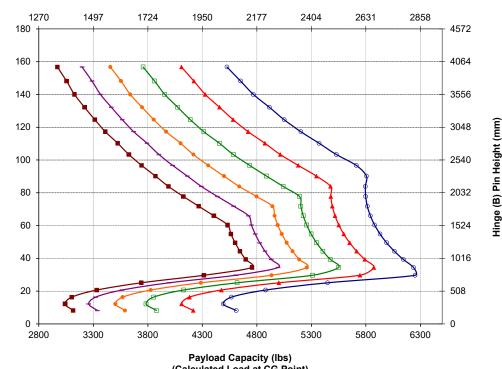
Hinge (B) Pin Height (in)

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)



### **Standard and Optional Equipment**

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

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

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

Full cab window guard

(continued on next page)

### Standard and Optional Equipment (continued)

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

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

	Standard	Optional
SAFETY		
Cat Detect rear radar system		✓
Dedicated rearview screen		✓
Visibility: mirrors, rearview camera	✓	
Multiview (360°) vision system		✓
Window cleaning platform, front	✓	
4-Point seat belt retractor		✓
Reversing strobe lights		✓
Seat belt monitoring beacon		✓
Secondary steering system, electrical**		✓
Wheel chocks		✓
Warning beacon		✓
SPECIAL CONFIGURATIONS*		
Auxiliary counterweight		✓
Steel mill		✓
Waste and industrial		✓
Forestry		✓
Corrosion resistant		✓
Tunneling***		✓

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

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

### 950 Environmental Declaration

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

For more information on sustainability in action and our progress, please visit <a href="https://www.caterpillar.com/en/company/sustainability.html">https://www.caterpillar.com/en/company/sustainability.html</a>.

#### **Engine**

- The Cat® C7.1 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards or Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, China Nonroad Stage IV, Japan 2014 engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) 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 100% biodiesel.
- \*\* Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

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

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

#### **Oils and Fluids**

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

#### **Features and Technology**

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Autodig with auto set tires provides consistent high bucket fill factors for 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.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

#### **Durability**

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

#### **Achieve Greater Fuel Efficiency and Productivity**

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

#### **Safety Features**

- Rear-vision camera enhances visibility behind the machine, helping you work safely and confidently.
- 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 35%.\*
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

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

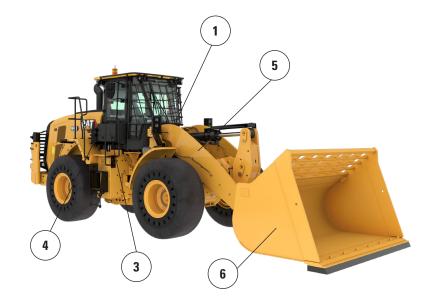
- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab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

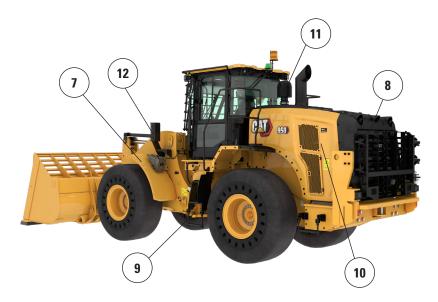
<sup>\*</sup>Parts and fluids only.

## 950 Waste & Scrap Handler Specifications

#### 950 Waste and Scrap Handler Features

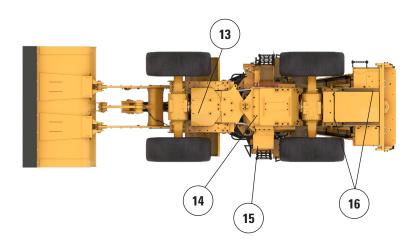
- 1. Optional window guarding to provide impact resistance to the glass
- 2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
- 3. Carbon cab air filter removes harsh odors
- Optional powered cab precleaner helps to improve cab filter life and keeps the cab pressurized
- Optional 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





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

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



# **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 -2.8"	-54 mm	-61 mm
(average of front and rear)				-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**

Linkage					Sta	ndard Link	age			
Bucket Type					Genera	l Purpose –	Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	$m^3$	2.70	2.70	2.50	3.10	3.10	2.90	3.30	3.30	3.10
	yd³	3.50	3.50	3.25	4.00	4.00	3.75	4.25	4.25	4.00
Capacity – Rated at 110% Fill Factor	$m^3$	3.00	3.00	2.80	3.40	3.40	3.20	3.60	3.60	3.40
	$yd^3$	4.00	4.00	3.75	4.50	4.50	4.25	4.75	4.75	4.50
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2989	2874	2874	2909	2791	2791	2870	2752	2752
and 45° Discharge	ft/in	9'9"	9'5"	9'5"	9'6"	9'1"	9'1"	9'5"	9'0"	9'0"
17† Reach at Maximum Lift and	mm	1254	1368	1368	1310	1421	1421	1340	1450	1450
45° Discharge	ft/in	4'1"	4'5"	4'5"	4'3"	4'7"	4'7"	4'4"	4'9"	4'9"
Reach at Level Lift Arm and	mm	2518	2679	2679	2618	2779	2779	2668	2829	2829
Bucket Level	ft/in	8'3"	8'9"	8'9"	8'7"	9'1"	9'1"	8'9"	9'3"	9'3"
A† Digging Depth	mm	36	36	6	36	36	6	36	36	6
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"
12† Overall Length	mm	8126	8301	8301	8226	8401	8401	8276	8451	8451
	ft/in	26'8"	27'3"	27'3"	27'0"	27'7"	27'7"	27'2"	27'9"	27'9"
<b>B</b> † Overall Height with Bucket at	mm	5416	5416	5416	5378	5378	5378	5553	5553	5553
Maximum Lift	ft/in	17'10"	17'10"	17'10"	17'8"	17'8"	17'8"	18'3"	18'3"	18'3"
Loader Clearance Circle Radius	mm	6649	6731	6731	6676	6759	6759	6690	6773	6773
with Bucket at Carry Position	ft/in	21'10"	22'1"	22'1"	21'11"	22'3"	22'3"	22'0"	22'3"	22'3"
Static Tipping Load, Straight	kg	17 285	17 145	17 460	17 085	16 944	17 253	16 979	16 837	17 139
(No tire deflection)	lb	38,107	37,800	38,493	37,667	37,355	38,037	37,432	37,119	37,785
Static Tipping Load, Articulated	kg	15 119	14 979	15 272	14 931	14 790	15 077	14 832	14 690	14 970
(No tire deflection)	lb	33,332	33,024	33,669	32,918	32,606	33,239	32,699	32,386	33,003
Breakout Force(§)	kN	166	165	182	152	151	165	146	145	158
	lbf	37,358	37,109	40,920	34,234	33,986	37,237	32,840	32,593	35,613
Operating Weight*	kg	22 148	22 256	22 099	22 237	22 345	22 188	22 282	22 390	22 233
	lb	48,827	49,065	48,719	49,023	49,261	48,915	49,123	49,361	49,015

<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				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 <sup>3</sup>	3.40	3.40	3.20	3.60	3.60	3.40
	yd³	4.50	4.50	4.25	4.75	4.75	4.50
Capacity – Rated at 110% Fill Factor	m <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	2844	2725	2725	2798	2679	2679
and 45° Discharge	ft/in	9'3"	8'11"	8'11"	9'2"	8'9"	8'9"
17† Reach at Maximum Lift and	mm	1362	1472	1472	1398	1508	1508
45° Discharge	ft/in	4'5"	4'9"	4'9"	4'7"	4'11"	4'11"
Reach at Level Lift Arm and	mm	2703	2864	2864	2763	2924	2924
Bucket Level	ft/in	8'10"	9'4"	9'4"	9'0"	9'7"	9'7"
A† Digging Depth	mm	36	36	6	36	36	6
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"
12† Overall Length	mm	8311	8486	8486	8371	8546	8546
	ft/in	27'4"	27'11"	27'11"	27'6"	28'1"	28'1"
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	5582	5582	5582	5640	5640	5640
Maximum Lift	ft/in	18'4"	18'4"	18'4"	18'7"	18'7"	18'7"
Loader Clearance Circle Radius	mm	6700	6783	6783	6717	6800	6800
with Bucket at Carry Position	ft/in	22'0"	22'4"	22'4"	22'1"	22'4"	22'4"
Static Tipping Load, Straight	kg	16 912	16 769	17 061	16 783	16 640	16 931
(No tire deflection)	1b	37,284	36,970	37,614	37,002	36,685	37,328
Static Tipping Load, Articulated	kg	14 769	14 626	14 897	14 648	14 505	14 775
(No tire deflection)	lb	32,560	32,245	32,843	32,294	31,978	32,573
Breakout Force(§)	kN	142	140	153	135	134	146
	lbf	31,924	31,677	34,550	30,449	30,202	32,849
Operating Weight*	kg	22 312	22 420	22 263	22 370	22 478	22 321
	lb	49,189	49,427	49,081	49,317	49,555	49,209

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

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

<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					Hig	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	$m^3$	2.70	2.70	2.50	3.10	3.10	2.90	3.30	3.30	3.10
	$yd^3$	3.50	3.50	3.25	4.00	4.00	3.75	4.25	4.25	4.00
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.00	3.00	2.80	3.40	3.40	3.20	3.60	3.60	3.40
	$yd^3$	4.00	4.00	3.75	4.50	4.50	4.25	4.75	4.75	4.50
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
16† Dump Clearance at Maximum Lift	mm	3484	3369	3369	3404	3287	3287	3365	3247	3247
and 45° Discharge	ft/in	11'5"	11'0"	11'0"	11'2"	10'9"	10'9"	11'0"	10'7"	10'7"
17† Reach at Maximum Lift and	mm	1322	1436	1436	1378	1489	1489	1407	1518	1518
45° Discharge	ft/in	4'4"	4'8"	4'8"	4'6"	4'10"	4'10"	4'7"	4'11"	4'11"
Reach at Level Lift Arm and	mm	2924	3085	3085	3024	3185	3185	3074	3235	3235
Bucket Level	ft/in	9'7"	10'1"	10'1"	9'11"	10'5"	10'5"	10'1"	10'7"	10'7"
A† Digging Depth	mm	58	58	28	58	58	28	58	58	28
	in	2.2"	2.2"	1.1"	2.2"	2.2"	1.1"	2.2"	2.2"	1.1"
12† Overall Length	mm	8636	8808	8808	8736	8908	8908	8786	8958	8958
	ft/in	28'4"	28'11"	28'11"	28'8"	29'3"	29'3"	28'10"	29'5"	29'5"
<b>B</b> † Overall Height with Bucket at	mm	5911	5911	5911	5874	5874	5874	6048	6048	6048
Maximum Lift	ft/in	19'5"	19'5"	19'5"	19'4"	19'4"	19'4"	19'11"	19'11"	19'11"
Loader Clearance Circle Radius	mm	6845	6926	6926	6872	6954	6954	6886	6968	6968
with Bucket at Carry Position	ft/in	22'6"	22'9"	22'9"	22'7"	22'10"	22'10"	22'8"	22'11"	22'11"
Static Tipping Load, Straight	kg	14 891	14 756	14 990	14 780	14 644	14 875	14 722	14 586	14 809
(No tire deflection)	lb	32,828	32,533	33,049	32,584	32,286	32,795	32,457	32,157	32,650
Static Tipping Load, Articulated	kg	12 958	12 824	13 044	12 849	12 714	12 931	12 792	12 656	12 867
(No tire deflection)	lb	28,568	28,273	28,759	28,328	28,030	28,508	28,203	27,903	28,366
Breakout Force(§)	kN	157	156	172	144	142	156	138	136	149
	lbf	35,340	35,059	38,679	32,372	32,095	35,185	31,048	30,773	33,644
Operating Weight*	kg	22 716	22 824	22 667	22 805	22 913	22 756	22 850	22 958	22 801
	lb	50,079	50,317	49,971	50,275	50,513	50,167	50,374	50,613	50,266

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



# 950 Forestry Machine

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

# **Proven Reliability**

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

# **Durability**

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

# **Achieve Greater Fuel Efficiency and Productivity**

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

### **Safety Features**

- 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 35%.\*
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

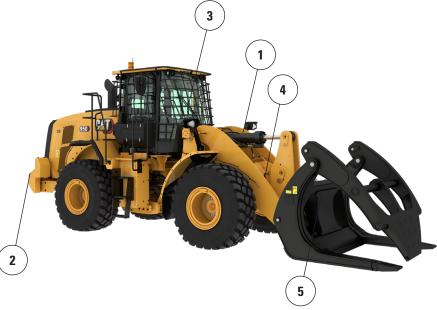
### Work in Comfort in the All New Cab

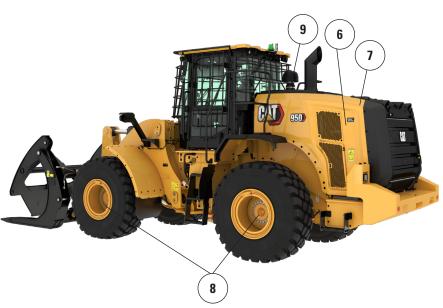
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s)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

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

# **950 Forestry Machine Features**

- Larger tilt cylinder for increased load control in fork applications
- 2. Heavier counterweight provides increased tipping loads in a millyard application
- 3. Optional window guarding to provide impact resistance to the glass
- 4. Optional 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





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

<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.

(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.

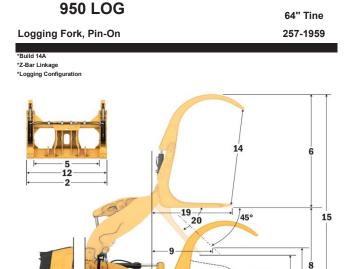
<sup>†</sup> Illustration shown with Dimension charts.

<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.

# **Fork Specifications**

## Fork Specifications

Fork width	1	Tine length	mm	1614
End area m2 1.93  Inside Height (only applies to double top clamp) in 55  Min. opening mm N/A  Operating Weight kg 19076  Distance inside of tine tips mm 1744  Static tipping load, articulated kg 8427  Fork level lbs 18579∠  Static tipping load, straight kg 9845  Fork level lbs 21703∠  Max. height of fork (w(clamp open if applicable) in 1154  Clearance wffull lift, 45 deg dump (if max. dump > 45)  Reach w/full lift, 45 deg dump (if max. dump > 45)  Reach @ ground level in 186.3  Reach @ ground level in 99.8  Max. opening across tine and clamp mm 2530  Max. opening across tine and max. dump mm 2530  Max. opening across tine and ma		The length	in	63.5
End area   Inside Height	2	Fork width	mm	2280
Inside Height (only applies to double top clamp)		Tork matri	in	89.8
1   1   1   1   1   1   1   1   1   1		End area		
(only applies to double top clamp)         in         55           4 Min. opening (only applies to millyard forks)         mm NIA           Operating Weight         kg 19076 lbs 42055           5 Distance inside of tine tips         mm 1744 lbs 42055           5 Distance inside of tine tips         mm 1774 lbs 42055           5 Distance inside of tine tips         mm 1784 lbs 42055           5 Distance inside of tine tips         mm 2932 lbs 8325           5 Static tipping load, articulated         kg 8427 lbs 8327           Fork level         lbs 18579.2           5 Static tipping load, straight         kg 9845 lbs 8379.2           6 Max. height of fork (w/clamp open if applicable)         in 115.4           7 Clearance w/full lift, 45 deg dump (if max. dump <> 45)         in 101.9           8 Clearance @ full lift fork level         mm 2530           9 Reach w/lull lift, 45 deg dump (if max. dump <> 45)         in 58.8           10 Reach w/lift arm horizontal and fork level         mm 2951           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         in 52.7           12 Width over tines         in 89.3           13 Reach @ ground level         mm 2530           14 Max. opening across tine and clamp         mm 2530           15 Overall height of fork @ full lift and clamp open         in 99.6			ft2	
4 Min. opening (only applies to millyard forks)         mm N/A in N/A in N/A           Operating Weight         kg 19076 lbs 42055           5 Distance inside of tine tips         mm 1774           5 Distance inside of tine tips         mm 1774           5 Distance inside of tine tips         mm 1774           6 Static tipping load, articulated         kg 8427           Fork level         lbs 18579.           Static tipping load, straight         kg 9845           Fork level         lbs 21703.           6 Max. height of fork (wickamp open if applicable)         in 115.4           7 Clearance wfull lift, 45 deg dump         mm 2589           (if max. dump <> 45)         in 101.9           8 Clearance @ full lift fork level         mm 3717           9 Reach wfull lift, 45 deg dump         mm 1493           (if max. dump <> 45)         in 58.8           10 Reach w/lift arm horizontal and fork level         mm 2951           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         in 116.2           12 Width over tines         in 89.3           13 Reach @ ground level         mm 2504           14 Max. opening across tine and clamp         mm 2504           15 Overall height of fork @ full lift and clamp open         in 261.8           16 Overall length	3		mm	
Conly applies to millyard forks   In N/A				
Operating Weight         kg bbs 42055           5 Distance inside of tine tips         mm 1744           5 Distance inside of tine tips         mm 1774           6 Static tipping load, articulated         kg 8427           Fork level         lbs 18579.           Static tipping load, straight         kg 9845           Fork level         lbs 21703.           6 Max. height of fork (w/clamp open if applicable)         in 115.4           7 Clearance w/full lift, 45 deg dump (if max. dump <> 45)         mm 2589           8 Clearance @ full lift fork level         mm 3717           9 Reach w/full lift, 45 deg dump (if max. dump <> 45)         in 146.3           10 Reach w/lift arm horizontal and fork level         mm 2951           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         in 58.8           12 Width over tines         in 89.3           13 Reach @ ground level         mm 2530           14 Max. opening across tine and clamp         mm 2530           15 Overall height of fork @ full lift and clamp open         in 261.8           16 Overall length         mm 8531           Tip of tine to rear of machine         in 36.9           16 Overall length         mm 2530           Discharge (if <> 45)         in 99.8           17 Discharge (if <> 45)	4			
Distance inside of tine tips		(only applies to millyard forks)		
5         Distance inside of tine tips         mm in 69 (9) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8		Operating Weight		
Static tipping load, articulated   kg   8427				
Static tipping load, articulated         kg         8427           Fork level         lbs         18579.2           Static tipping load, straight         kg         9845           Fork level         lbs         21703.4           Max. height of fork (w(clamp open if applicable)         mm         2932           Clearance wffull lift, 45 deg dump (if max. dump <> 45)         mm         3717           8 Clearance @full lift fork level         mm         3717           9 Reach w/full lift, 45 deg dump (if max. dump <> 45)         mm         1493 (if max. dump <> 45)           10 Reach w/lift arm horizontal and fork level         mm         2951 in         58.8           10 Reach w/lift arm horizontal and fork level         mm         2951 in         222 2           12 Width over tines         mm         2304 in         89.3           13 Reach @ ground level         mm         2304 in         99.3           14 Max. opening across tine and clamp         mm         2530 in         99.6           15 Overall height of fork @ full lift and clamp open         in         261.8           16 Overall length         mm         8531 in         251.8           17 Clearance @ full lift and max. dump         mm         2534 in         79.8           18 Cl	5	Distance inside of tine tips		
Fork level         Ibs         18579.2           Static tipping load, straight         kg         9845           Fork level         lbs         21703.4           6 Max. height of fork (w/clamp open if applicable)         mm         2932 (w/clamp open if applicable)         in         1115.4           7 Clearance w/full lift, 45 deg dump (if max. dump <> 45)         in         101.9           8 Clearance @ full lift fork level         mm         3717           9 Reach w/full lift, 45 deg dump (if max. dump <> 45)         in         1493 (in           10 Reach w/lift arm horizontal and fork level         mm         295 (in         116.2           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         in         -2.2           12 Width over tines         mm         2268 in         89.3           13 Reach @ ground level         in         9 1           14 Max. opening across tine and clamp         mm         2530 (in         99.1           15 Overall height of fork @ full lift and clamp open         in         261.8 (in         99.6           16 Overall length         mm         85.3         10.2 (last last last last last last last last		0.6.6.1.1.6.1.1		
Static tipping load, straight Fork level         kg         9845 Fork level         lbs         217034 217034 217034           6 Max. height of fork (w/clamp open if applicable)         in         115.4           7 Clearance w/full lift, 45 deg dump (if max. dump <> 45)         in         101.9           8 Clearance @ full lift fork level         mm         3717           9 Reach w/full lift, 45 deg dump (if max. dump <> 45)         mm         146.3           10 Reach w/lift arm horizontal and fork level         mm         2951           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         in         16.2           12 Width over tines         in         89.3           13 Reach @ ground level         mm         2304           14 Max. opening across tine and clamp         mm         2530           15 Overall height of fork @ full lift and clamp open         in         2618           16 Overall length         mm         2531           17 Clearance @ full lift and max. dump         mm         2531           18 Clearance (fill will at max and fork level         in         79.8           19 Reach @ full lift and fork level         in         70.4           19 Reach @ full lift and fork level         in         79.8           10 Searance w/horizontal lift arms and fork			-	
Fork level         Ibs         21703.4           6 Max. height of fork (w(clamp open if applicable)         mm         2932           7 Clearance wflull lift, 45 deg dump (if max. dump <> 45)         mm         3717           8 Clearance @ full lift fork level         mm         3717           9 Reach w/full lift, 45 deg dump (if max. dump <> 45)         mm         1493 in           10 Reach w/lift arm horizontal and fork level         mm         2951 in           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         mm         2951 in           12 Width over tines         mm         220 in         89.3           13 Reach @ ground level         mm         2304 in         99.3           14 Max. opening across tine and clamp         mm         2530 in         99.8           15 Overall height of fork @ full lift and clamp open         in         291.8           16 Overall length         mm         8531 Tip of tine to rear of machine         in         335.9           17 Clearance @ full lift and max. dump         mm         2534 in         79.8           18 Clearance w/horizontal lift arms and fork level         in         79.8           19 Reach @ full lift and fork level         in         79.4           19 Reach @ full lift and fork level         in				
6 Max. height of fork (w/clamp open if applicable)         mm         2932 (w/clamp open if applicable)         in         115.4 (w/clamp open if applicable)         mm         2932 (in         115.4 (w/clamp open if applicable)         mm         2589 (if max. dump <> 45)         in         101.9 (if max. dump <> 45)         in         101.9 (if max. dump <> 45)         in         146.3 (in         58.8 (in         58.9 (in         116.2 (in         116.2 (in         116.2 (in         116.2 (in         12.2 (in         12.2 (in         12.3 (in         22.6 (in         13.8 (in         89.3 (in			-	
(w/clamp open if applicable)         in 115.4           7 Clearance wfull lift, 45 deg dump (if max. dump < 45)         in 101.9           8 Clearance @ full lift fork level         mm 3717           9 Reach wfull lift, 45 deg dump (if max. dump <> 45)         mm 1493           10 Reach w/lift arm horizontal and fork level         mm 2951           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         mm 57           12 Width over tines         in 89.3           13 Reach @ ground level         mm 2304           14 Max. opening across tine and clamp         mm 2530           15 Overall height of fork @ full lift and clamp open         in 261.8           16 Overall length         mm 8531           17 Clearance @ full lift and max. dump         mm 2530.9           18 Clearance @ full lift and max. dump         mm 2530.9           19 Clearance w/horizontal lift arms and fork level         in 99.8           18 Clearance w/horizontal lift arms and fork level         in 70.4           19 Reach @ full lift and fork level         in 70.4				
7         Clearance w/full lift, 45 deg dump (if max. dump <> 45)         mm         2589 in 101.19           8         Clearance @ full lift fork level         mm         3717           9         Reach w/full lift, 45 deg dump (if max. dump <> 45)         mm         149.3           10         Reach w/lift arm horizontal and fork level         mm         2951           11         *Ground to Bottom of Tool at Minimum Height and Tool Level         mm         -57           12         Width over tines         mm         2268           13         Reach @ ground level         mm         2304           14         Max. opening across tine and clamp         mm         2530           15         Overall height of fork @ full lift and clamp open         in         99.6           16         Overall length         mm         8531           Tip of tine to rear of machine         in         335.9           17         Clearance @ full lift and max. dump         mm         2534           18         Clearance w/horizontal lift arms and fork level         in         70.4           19         Reach @ full lift and fork level         in         70.4           19         Reach @ full lift and fork level         in         85.8	6			
(if max. dump <> 45)         in double           8 Clearance @ full lift fork level         mm 3717           9 Reach w/full lift, 45 deg dump (if max. dump <> 45)         mm 1493 in 58.8           10 Reach w/lift arm horizontal and fork level         mm 2951 in 116.2           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         mm -57 in 2268 in 89.3           13 Reach @ ground level         mm 2268 in 89.3           14 Max. opening across tine and clamp         mm 25304 in 91           15 Overall height of fork @ full lift and clamp open in 99.6         in 261.8           16 Overall length Tip of tine to rear of machine         in 335.9           17 Clearance @ full lift and max. dump Discharge (if <> 45) in 99.8           18 Clearance w/horizontal lift arms and fork level         in 70.4           19 Reach @ full lift and fork level         in 79.8           19 Reach @ full lift and fork level         in 79.8	_			
8 Clearance @ full lift fork level         mm in the standard of the level         3717 in the standard of the level           9 Reach w/full lift, 45 deg dump (if max. dump <> 45)         in 58.8           10 Reach w/lift arm horizontal and fork level         mm 2951 in 16.2           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         mm -57 in -2.2           12 Width over tines         in 89.3           13 Reach @ ground level         mm 2304           14 Max. opening across tine and clamp         mm 2530           15 Overall height of fork @ full lift and clamp open         in 99.6           16 Overall length         mm 8531           17 Clearance @ full lift and max. dump         mm 8531           17 Clearance @ full lift and max. dump         mm 2530           18 Clearance w/horizontal lift arms and fork level         in 99.8           18 Clearance w/horizontal lift arms and fork level         in 70.4           19 Reach @ full lift and fork level         in 70.4	7			
8 Clearance @ Tull lift fork level         in 146.3           9 Reach w/full lift, 45 deg dump (if max. dump <> 45)         mm 1493           10 Reach w/lift arm horizontal and fork level         mm 2951           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         mm 5-7           12 Width over tines         mm 2304           13 Reach @ ground level         in 91           14 Max. opening across tine and clamp         mm 2530           15 Overall height of fork @ full lift and clamp open         in 261.8           16 Overall length Tip of tine to rear of machine         in 335.9           17 Clearance @ full lift and max. dump Discharge (if <> 45)         in 99.8           18 Clearance w/horizontal lift arms and fork level         in 70.4           19 Reach @ full lift and fork level         in 70.4           19 Reach @ full lift and fork level         in 89.3		(II max. dump <> 45)		
9 (if max. dump         mm         1493 (if max. dump           10 Reach w/lift arm horizontal and fork level         in         58.8           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         mm         -57           11 *Ground to Bottom of Tool at Minimum Height and Tool Level         in         -22           12 Width over tines         mm         2268           13 Reach @ ground level         in         89.3           14 Max. opening across tine and clamp         mm         2530           15 Overall height of fork @ full lift and clamp open         in         99.6           16 Overall length         mm         6649           17 Clearance @ full lift and max. dump         mm         2534           18 Clearance @ full lift and max. dump         in         99.8           18 Clearance w/horizontal lift arms and fork level         in         79.8           19 Reach @ full lift and fork level         in         70.2           19 Reach @ full lift and fork level         in         89.8	8	Clearance @ full lift fork level		
10   Reach w/lift arm horizontal and fork level   mm   2951     10   Reach w/lift arm horizontal and fork level   mm   2951     11   "Ground to Bottom of Tool at Minimum Height and Tool Level   mm   5-7     12   Width over tines   mm   2268   mm   29.3     13   Reach @ ground level   mm   2304     14   Max. opening across tine and clamp   mm   2530     15   Overall height of fork @ full lift and clamp open   in   261.8     16   Overall length   mm   6649     17   Overall length   mm   8531     17   Clearance @ full lift and max. dump   mm   2534     18   Clearance @ full lift and max. dump   mm   2534     19   Reach @ full lift and fork level   in   79.8     19   Reach @ full lift and fork level   mm   2179.1     19   Reach @ full lift and fork level   mm   2179.1     10   In   Reach @ full lift and fork level   mm   2179.1     10   In   85.8   mm   2179.1     11   In   85.8   mm   2179.1     12   In   85.8   mm   2179.1     13   In   10   10   10   10   10     14   In   10   10   10     15   In   10   10   10     16   In   10   10     17   In   10   10     18   In   10   10     19   In   10   10     10   In   10     10   In   10     10   In   10     11   In   10     11   In   10     12   In   10     13   In   10     14   In   10     15   In   10     16   In   10     17   In   10     18   In   10     18   In   10     19   In   10     10   In   10     10   In   10     11   In   10     11   In   10     12   In   10     13   In   10     14   In   10     15   In   10     16   In   10     17   In   10     18   In   10     10   In   10     11   In   10     11   In   10     12   In   10     13   In   10     14   In   10     15   In   10     16   In   10     17   In   10     18   In   10     19   In   10     10   In   10     10   In   10     11   In   10     11   In   10     12   In   10     13   In   In   10     14   In   In   10		Peach w/full lift 45 deg dump		
10   Reach w/lift arm horizontal and fork level   mm   2951   in   116.2     11   "Ground to Bottom of Tool at Minimum Height and Tool Level   mm   -5.7   in   -2.2     12   Width over tines   mm   2304   in   89.3     13   Reach @ ground level   in   91.1     9	9			
11 *Ground to Bottom of Tool at Minimum Height and Tool Level	_			
11         "Ground to Bottom of Tool at Minimum Height and Tool Level in 2-2.2         mm 2-67 in 2-2.2           12         Width over tines         in 89.3 mm 2304           13         Reach @ ground level         mm 2304           14         Max. opening across tine and clamp         mm 2530           15         Overall height of fork @ full lift and clamp open         in 261.8           16         Overall length         mm 6649           Tip of tine to rear of machine         in 335.9           17         Clearance @ full lift and max. dump         mm 2534           Discharge (if <> 45)         in 99.8           18         Clearance w/horizontal lift arms and fork level         in 70.4           19         Reach @ full lift and fork level         mm 2179.1           19         Reach @ full lift and fork level         in 85.8	10	Reach w/lift arm horizontal and fork level		
12 Width over tines				
12         Width over tines         mm bin 89.3 min 89.3 min 89.3           13         Reach @ ground level         in 89.3 min 2304 min 91           14         Max. opening across tine and clamp         mm 25304 min 95.6 min 99.6 min 99.6 min 99.6 min 99.6 min 261.8	11	*Ground to Bottom of Tool at Minimum Height and Tool Level		
13   Reach @ ground level   mm   2304   in   91     14   Max. opening across tine and clamp   mm   2530     15   Overall height of fork @ full lift and clamp open   in   261.8     16   Overall length   mm   8531     17   Overall length   mm   8531     18   Overall length   mm   8531     19   Clearance @ full lift and max. dump   mm   2534     19   Reach @ full lift amf and max and fork level   in   70.4     19   Reach @ full lift and fork level   mm   2179.1     19   Reach @ full lift and fork level   mm   85.8	40	ARCHIE		
13         Reacn @ ground level         in         91           14         Max. opening across tine and clamp         mm         2530           15         Overall height of fork @ full lift and clamp open         in         261.8           16         Overall length         mm         8531           Tip of tine to rear of machine         in         335.9           17         Clearance @ full lift and max. dump         mm         2534           Discharge (if <> 45)         in         99.8           18         Clearance w/horizontal lift arms and fork level         mm         1788.1           19         Reach @ full lift and fork level         in         85.8	12	width over tines	in	89.3
14 Max. opening across tine and clamp	42	Deach @ ground lovel	mm	2304
15   Overall height of fork @ full lift and clamp   nm   6649     16   Overall length   nm   8531     17   Clearance @ full lift and max. dump   nm   2534     18   Clearance @ full lift and max. dump   nm   2531     19   Reach @ full lift and fork level   nm   279.1     19   Reach @ full lift and fork level   nm   85.8     10   Overall height of fork @ full lift and so. dump   nm   1788.1     19   Reach @ full lift and fork level   nm   2179.1     10   Overall height of fork @ full lift and fork level   nm   2534     10   Overall height of fork @ full lift and fork level   nm   279.1     10   Overall height of fork @ full lift and fork level   nm   279.1     11   Overall height of fork @ full lift and fork level   nm   2534     12   Overall height of fork @ full lift and fork level   nm   2179.1     13   Overall height of fork @ full lift and fork level   nm   2534     16   Overall height of fork @ full lift and fork level   nm   2534     17   Overall height of fork @ full lift and fork level   nm   2534     18   Overall height of fork @ full lift and fork level   nm   2534     19   Overall height of fork @ full lift and fork level   nm   2534     18   Overall height of fork @ full lift and fork level   nm   2534     19   Overall length of full lift and fork level   nm   2534     19   Overall length of full lift and fork level   nm   2534     10   Overall length of full lift and fork level   nm   2534     10   Overall length of full lift and fork level   nm   2534     10   Overall length of full lift and fork level   nm   2534     10   Overall length of full lift and fork level   nm   2534     11   Overall length of full lift and fork level   nm   2534     12   Overall length of full lift and fork level   nm   2534     17   Overall length of full lift and fork level   nm   2534     18   Overall length of full lift and fork level   nm   2534     18   Overall length of full lift and fork level   nm   2534     18   Overall length of full lift and fork level   nm   2534     18   Overall length of full lift and fo	13	Reacti @ ground level	in	91
15 Overall height of fork @ full lift and clamp open   in 261.8     16 Overall length   Tip of tine to rear of machine   Tip of tine to rear of machine   Tip of tine to rear of machine   mm 2534     17 Clearance @ full lift and max. dump   mm 2534     18 Clearance whorizontal lift arms and fork level   in 70.4     19 Reach @ full lift and fork level   in 85.8	1/	May opening across tine and clamp	mm	2530
15 clamp open         in 261.8           16 Overall length Tip of tine to rear of machine         mm 8531           17 Clearance @ full lift and max. dump Discharge (if <> 45)         in 99.8           18 Clearance whorizontal lift arms and fork level         in 70.4           19 Reach @ full lift and fork level         in 85.8		wax. opening across tine and clamp	in	99.6
Clamp open   Cla	15	Overall height of fork @ full lift and	mm	6649
Tip of tine to rear of machine         in         335.9           17 Clearance @ full lift and max. dump         mm         2534           Discharge (if <> 45)         in         99.8           18 Clearance w/horizontal lift arms and fork level         mm         1788.1           19 Reach @ full lift and fork level         mm         2179.1           19 Reach @ full lift and fork level         in         85.8			in	261.8
Tip of tine to rear of machine   in   335.9     17   Clearance @ full lift and max. dump   mm   2534     Discharge (if <> 45)   in   99.8     18   Clearance w/horizontal lift arms and fork level   in   70.4     19   Reach @ full lift and fork level   in   85.8	16		mm	8531
17 Discharge (if <> 45)         in         99.8           18 Clearance whorizontal lift arms and fork level         in         70.4           19 Reach @ full lift and fork level         in         85.8			in	335.9
Discharge (if <> 45)         in         99.8           18 Clearance w/horizontal lift arms and fork level         mm         1788.1           19 Reach @ full lift and fork level         mm         2179.1           in         85.8	17		mm	
fork level         in         70.4           19 Reach @ full lift and fork level         mm         2179.1           in         85.8			in	
fork level         in         70.4           19 Reach @ full lift and fork level         mm         2179.1           in         85.8	18			
in 85.8		tork level		
in 85.8	19	Reach @ full lift and fork level		
dog 40				
<b>20</b> Max. discharge andie from norizontal	20	Max. discharge angle from horizontal	deg	48
rad 0.8		<u> </u>	rad	0.8



13

17 18

Hinge (B) Pin Height (mm)

L11

\*Negative values indicate below grade

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



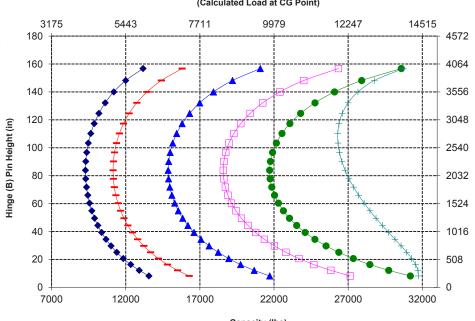
- -Payload (CEN EN 474-3 Rough Terrain)
- ▲Payload (CEN EN 474-3 Firm & Level)
- ⊕ Static Tipping Load Articulated◆ Static Tipping Load Straight
- Hydraulic Tilt Capacity
- Hydraulic Tilt Capacity
   Hydraulic Lift Capacity

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

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

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

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

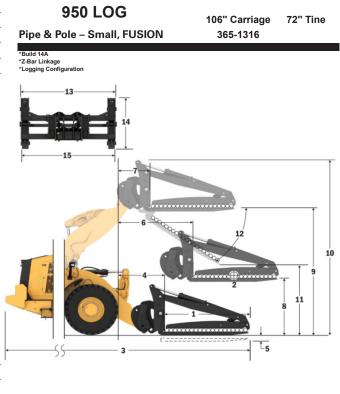


Capacity (lbs)
(Calculated Load at CG Point)

# **Fork Specifications**

### Fork Specifications

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



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



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

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

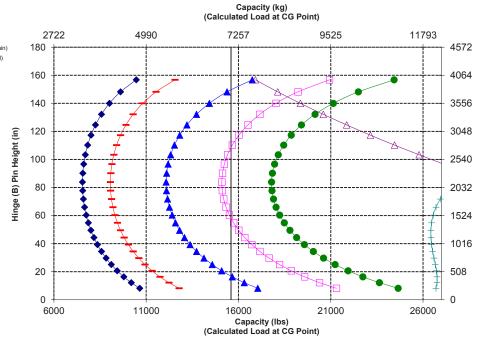
  → Hydraulic Lift Capacity

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

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

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

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



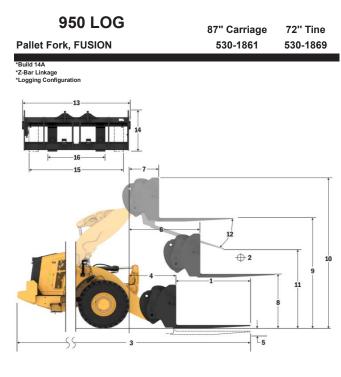
NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine. NOTICE: When clamp is continuously supplied with 15513 kPa (2250 psi), tine rating is 7076 kg (15596 lbs.) at 914 mm (36") load center per pair.

Hinge (B) Pin Height (mm)

# **Fork Specifications**

### **Fork Specifications**

1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
_		in	36.0 9228
	Static Tipping Load - Straight (Forks Level)	kg Ibs	20339
	Static Tipping Load - Articulated (Forks Level)	kg	7994
	Otatio Tipping Load Translated (Folia Level)	lbs	17619
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3997 8809
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4796
	Rated Load (CEN EN 474-3 Rough Terrain - 00 % F131E)	lbs	10571
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6395
_		lbs mm	14095 9227
3	Maximum Overall Length	in	363.3
4	Reach with Forks at Ground Level	mm	1170
_	Treadil Wall Forks at Ground Ecver	in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-167 -6.6
_		in mm	1682
6	Reach with Arms Horizontal and Forks Level	in	66.2
7	Reach with Fork at Maximum Height	mm	910
<u>'</u>	Treach with tork at Maximum Height	in	35.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1743
_		in mm	68.6 3671
9	Ground to Top of Tine at Maximum Height and Fork Level	in	144.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4446
	Overall Fleight of Fork at Fall Elit (top of carriage to ground)	in	175.1
11	Clearance at Full Lift and Max Dump	mm in	2042 80.4
40	M. Bishan Asile for the control		
12	Max Discharge Angle from Horizontal	deg	48
13	Overall Carriage Width	mm	2217
		in mm	87.3 840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
13	Outside Title Width (Hax spread)	in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm	150.0
	Title Width (Single title)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6 5246
	Tine Capacity	kg Ibs	11562
	Operating Weight	kg	18285
	Operating Weight	lbs	40300



\*Negative values indicate below grade

### →Payload (SAE J1197)

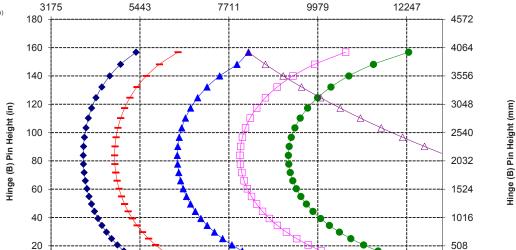
- Payload (CEN EN 474-3 Rough Terrain)
- ▲Payload (CEN EN 474-3 Firm & Level)
- A Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

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

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

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



17000

Capacity (lbs)
(Calculated Load at CG Point)

22000

27000

Capacity (kg) (Calculated Load at CG Point)

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

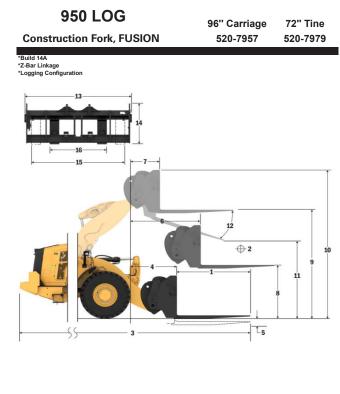
0 <del>|</del> 7000

12000

# **Fork Specifications**

### **Fork Specifications**

	•		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	LUAU GEHICI	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8953
	11.0	lbs kg	19732 7716
	Static Tipping Load - Articulated (Forks Level)	lbs	17005
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3858
	Raieu Loau (SAE J1197 - 50% F1S1L)	lbs	8503
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4629
	(	lbs	10203
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	6172 13604
_	M : 0 - 111 - 11	mm	9180
3	Maximum Overall Length	in	361.4
4	Reach with Forks at Ground Level	mm	1124
	Neach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
		in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1675 66.0
_	B. I. W. E. L. W. C	mm	903
7	Reach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1847
	Ground to Top of Time with Almo Honzonial and Fork Eever	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776 148.7
		in mm	4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1972
	Clearance at Full Lift and Max Dump	in	77.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2528 99.5
	Oursell Comings Height	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
	Outside Time 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	kg	14800
		lbs	32619
	Operating Weight	kg Ibs	18674 41157
	**!	IDS	4113/



\*Negative values indicate below grade



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

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

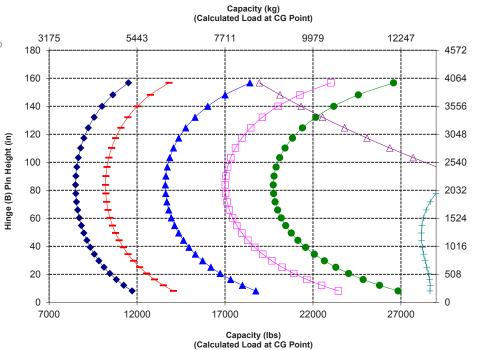
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

\*SAE - Society of Automotive

Engineers
\*\*CEN - European Committee for



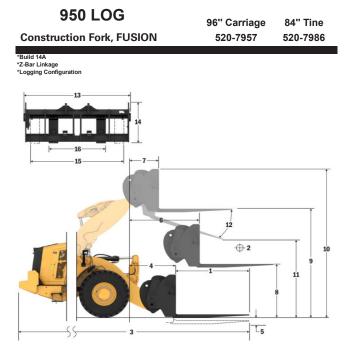
NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

# **Fork Specifications**

### **Fork Specifications**

	nk opcomeditions		
1	Tine Length	mm in	2134
_	1	mm	84.0 1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8502
		lbs kg	18739 7318
	Static Tipping Load - Articulated (Forks Level)	lbs	16128
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3659
	Rateu Loau (SAE JT197 - 50% FTSTL)	lbs	8064
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4391
		lbs ka	9677 5854
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12903
3	Maximum Overall Length	mm	9485
3	Maximum Overali Lengtii	in	373.4
4	Reach with Forks at Ground Level	mm	1124
		in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-88 -3.5
_	But Manual to the letter to	mm	1675
6	Reach with Arms Horizontal and Forks Level	in	66.0
7	Reach with Fork at Maximum Height	mm	903
	Trought man Fore at maximum Froight	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1847 72.7
_	0 11 7 77 111 111 111 111 111 111	mm	3776
9	Ground to Top of Tine at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
	overall freight of Fork at Fall Ent (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1723 67.8
		in	
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2528
13	Overall Carriage Wilder	in	99.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2178
15	Outside Tine 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
		in mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12700
	ппе Сараску	lbs	27991
	Operating Weight	kg	18737
		lbs	41296



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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



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

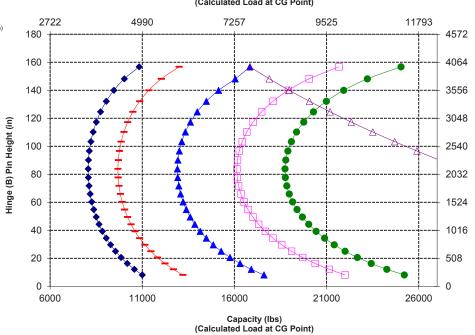
  → Payload (CEN EN 474-3 Firm & Level)
- Static Tipping Load Articulated
- Static Tipping Load Straight
- → Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

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

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

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

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

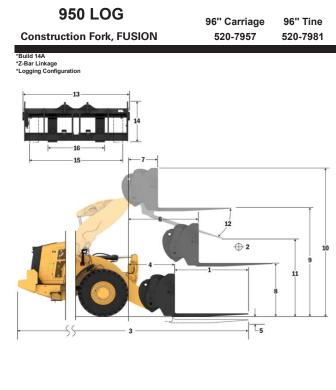


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

# **Fork Specifications**

### **Fork Specifications**

	•		
1	Tine Length	mm in	2438 96.0
_	Load Center	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8086
		lbs kg	17822 6950
	Static Tipping Load - Articulated (Forks Level)	lbs	15317
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3475
	rated Edda (O/IE 01101 - 00/01 TOTE)	lbs	7659
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4170 9190
	D	kg	5560
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12254
3	Maximum Overall Length	mm	9789
		in	385.4 1124
4	Reach with Forks at Ground Level	mm in	44.2
_	*O	mm	-88
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
		in	66.0
7	Reach with Fork at Maximum Height	mm in	903 35.6
_	Occupated to Top of Tipe with Asses Harisantal and Foot Laws	mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
		in mm	148.7 4816
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1476
-''	Clearance at Full Lift and Max Dump	in	58.1
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2528
		in mm	99.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
-10	Outside Title Width (Hax spread)	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm	180.0
	Title Width (alligle title)	in	7.1
	Tine Thickness	mm	90.0
		in kg	3.5 11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	18799



\*Negative values indicate below grade

### →Payload (SAE J1197)

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

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

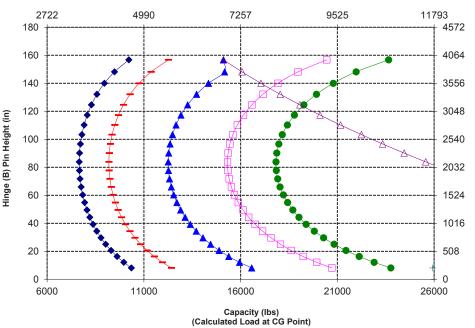
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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



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

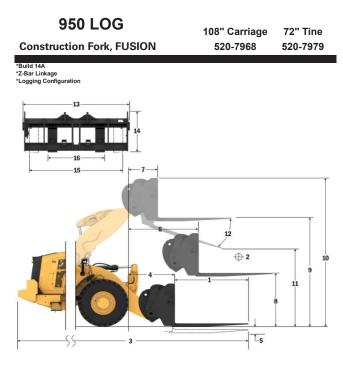
Hinge (B) Pin Height (mm)

# **Fork Specifications**

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

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

2722



11793

26000

Hinge (B) Pin Height (mm)

0

\*Negative values indicate below grade



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

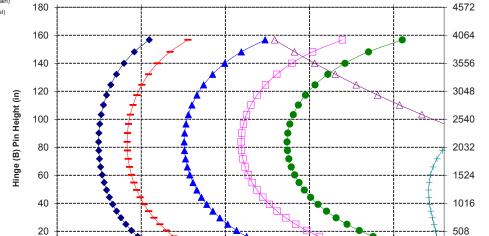
  → Payload (CEN EN 474-3 Firm & Level)
- Static Tipping Load Articulated
- Static Tipping Load Straight
- → Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

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

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

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

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



Capacity (kg) (Calculated Load at CG Point)

9525

7257

4990

11000

Capacity (lbs) (Calculated Load at CG Point)

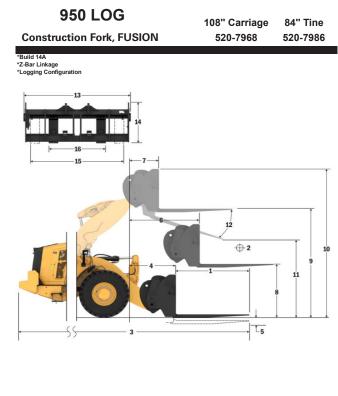
NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

6000

# **Fork Specifications**

### **Fork Specifications**

1	Tine Length	mm	2134
	Title Letigui	in	84.0
2	Load Center	mm	1067
		in	42.0 8470
	Static Tipping Load - Straight (Forks Level)	kg Ibs	18669
	O. C. T	kg	7286
	Static Tipping Load - Articulated (Forks Level)	lbs	16058
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3643
	Traced Edda (O/IE 01107 - 00/01 TOTE)	lbs	8029
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4372
		lbs kg	9635 5829
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12847
_	M : 0 III II	mm	9485
3	Maximum Overall Length	in	373.4
4	Reach with Forks at Ground Level	mm	1124
4	Reach with Forks at Ground Level	in	44.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-88
	Cround to Bottom of Time at William Theight and Fork Ecter	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1675
		in	66.0
7	Reach with Fork at Maximum Height	mm in	903 35.6
		mm	1847
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3776
9	Ground to Top or Tine at Maximum Height and Fork Level	in	148.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4816
-10	Overall freight of Fork at Fall Ent (top of carriage to ground)	in	189.6
11	Clearance at Full Lift and Max Dump	mm	1723
	· · · · · · · · · · · · · · · · · · ·	in	67.8
12	Max Discharge Angle from Horizontal	deg	55
		mm	2833
13	Overall Carriage Width	in	111.5
11	Overall Carriage Height	mm	1130
14	Overall Carriage Fielgrit	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Outside Tille Width (Hax Spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
_		in mm	23.2 180.0
	Tine Width (single tine)	in	7.1
		mm	90.0
	Tine Thickness	in	3.5
	Tine Canacity	ka	12700
	Tine Capacity	lbs	27991
	Operating Weight	kg	18786
	Operating resignit	lbs	41404



\*Negative values indicate below grade



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

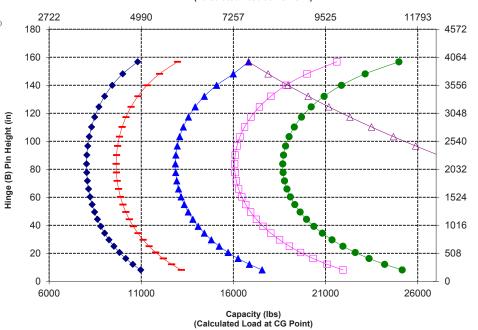
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

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

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



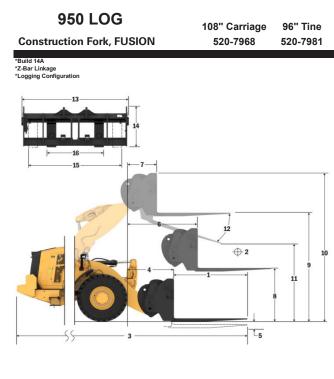
NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

# **Fork Specifications**

Fork	Cnaa	ifica	tiono
FUIK	Spec	IIICa	แบบร

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



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

### →Payload (SAE J1197)

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

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

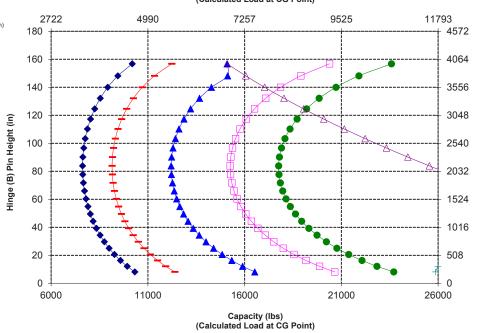
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

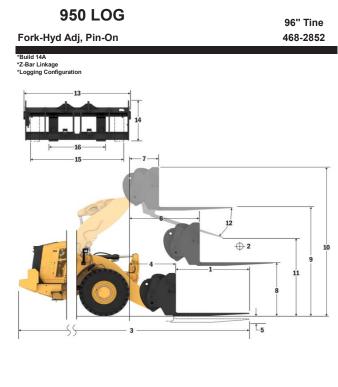


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

# **Fork Specifications**

### **Fork Specifications**

	The second secon		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Certer	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	7783
		lbs ka	17153 6676
	Static Tipping Load - Articulated (Forks Level)	lbs	14714
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3338
		lbs	7357
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4006 8829
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5341
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F131L)	lbs	11771
3	Maximum Overall Length	mm	9896
	<u> </u>	in mm	389.6 1231
4	Reach with Forks at Ground Level	in	48.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-98
	Ground to Bottom or Time at Millimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1775
		in mm	69.9 1003
7	Reach with Fork at Maximum Height	in	39.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1837
	Ground to Top of Time with Arms Honzontal and Fork Level	in	72.3
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3765 148.2
		mm	4834
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	190.3
11	Clearance at Full Lift and Max Dump	mm	1399
	ordanio at ran Entana max samp	in	55.1
12	Max Discharge Angle from Horizontal	deg	54
13	Overall Carriage Width	mm	2542
		in mm	100.1 1158
14	Overall Carriage Height	in	45.6
15	Outside Tine Width (max spread)	mm	2312
13	Odiside Tille Widti (Illax spread)	in	91.0
16	Outside Tine Width (min spread)	mm in	896 35.3
	Tine Width (single tine)	mm	180.0
	Title virual (single title)	in	7.1
	Tine Thickness	mm	90.0
		in kg	3.5 10100
	Tine Capacity	lbs	22260
	Operating Weight	kg	18898
	Operating Weight	lbs	41651



\*Negative values indicate below grade

### →Payload (SAE J1197)

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

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

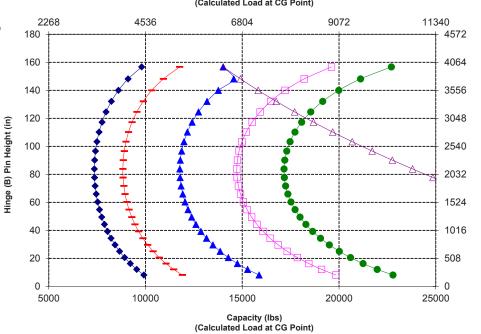
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

\*SAE - Society of Automotive

Engineers
\*\*CEN - European Committee for

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

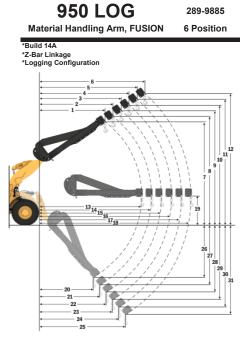


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

# **Fork Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
March 19. Heads Freelet Basels (4, 0, 0, 4, 5, 0)	mm	2,103	2,234	2,365	2,495	2,626	2,757
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	6' 10"	7' 3"	7' 9"	8' 2"	8' 7"	9' 0"
March 16 Heads Freshall Index (7. 0. 0. 40. 44. 40)	mm	6,854	7,129	7,405	7,680	7,955	8,231
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 2"	26' 1"	27' 0"
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	mm	4,540	4,845	5,150	5,454	5,759	6,064
Level - Hook Eyelet Reacti (13, 14, 15, 16, 17, 16)	ft, in	14' 10"	15' 10"	16' 10"	17' 10"	18' 10"	19' 10"
Level Heek Evelet Height (40)	mm	1,813	1,813	1,813	1,813	1,813	1,813
Level - Hook Eyelet Height (19)	ft, in	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"	5' 11.3"
Min Life Hands Free A Parack (00, 04, 00, 00, 04, 05)	mm	1,315	1,407	1,499	1,591	1,683	1,774
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	4' 3"	4' 7"	4' 11"	5' 2"	5' 6"	5' 9"
Min 1 16 1 1 - 1 1 5 - 1 - 1 1 1 1 1 1 1 1 1 1 1	mm	(3,004)	(3,295)	(3,585)	(3,876)	(4,167)	(4,457)
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-9' 1"	-10' 2"	-11' 2"	-12' 3"	-13' 3"	-14' 4"
Obeth Therical and Obstable	kg	5,965	5,636	5,341	5,074	4,832	4,611
Static Tipping Load, Straight	lb	13,147	12,422	11,771	11,183	10,650	10,163
	kg	5,181	4,895	4,637	4,405	4,194	4,001
Static Tipping Load, Articulated		11,420	10,788	10,221	9,708	9,243	8,818
On confine Wiclobs	kg	17,996	17,996	17,996	17,996	17,996	17,996
Operating Weight	lb	39,663	39,663	39,663	39,663	39,663	39,663





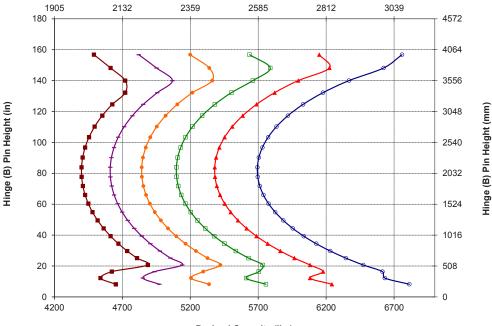
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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



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



# 950 Steel Mill

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

## **Proven Reliability**

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

### **Durability**

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

# **Achieve Greater Fuel Efficiency and Productivity**

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

### **Safety Features**

- Ground-level parking brake override and engine shutdown switches for emergency machine retrieval.
- Optional rear egress stairs allow for another point of machine exit for the operator.
- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- 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.
- 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.

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

- Extended fluid and filter change intervals reduce maintenance costs by up to 35%.\*
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

### Work in Comfort in the All New Cab

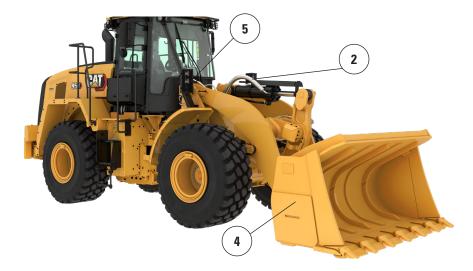
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and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

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

# 950 Steel Mill Specifications

# 950 Steel Mill Features

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





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

# **950 Steel Mill Specifications**

# **Tire Options**

Tire Brand	Bridgestone	Michelin	Michelin	Bridgestone	Bridgestone
Tire Size	23.5R25	23.5R25	23.5R25	23.5R25	23.5-25
Tread Type	L-3	L-3	L-5	L-5	L-3
Tread Pattern	VJT	XHA2	XLD D2	VSDL	VL2
Casing Strength	*	*	*	*	20PR
Width over Tires – Maximum (empty)*	2800 mm	2816 mm	2819 mm	2787 mm	2770 mm
	9'3"	9'3"	9'4"	9'2"	9'2"
Width over Tires – Maximum (loaded)*	2824 mm	2828 mm	2834 mm	2804 mm	2790 mm
	9'4"	9'4"	9'4"	9'3"	9'2"
Change in Vertical Dimensions	-	10 mm	40 mm	65 mm	19 mm
(average of front and rear)	-	0.4"	1.6"	2.6"	0.8"
Change in Horizontal Reach	-	-6 mm	-31 mm	-36 mm	-4 mm
	-	-0.2"	-1.2"	-1.4"	-0.1"
Change in Clearance Circle to Outside of Tires	-	4 mm	11 mm	-20 mm	-34 mm
	-	0.2"	0.4"	-0.8"	-1.3"
Change in Clearance Circle to Inside of Tires	-	-4 mm	-11 mm	20 mm	34 mm
	-	-0.2"	-0.4"	0.8"	1.3"
Change in Operating Weight (without ballast)	-	-156 kg	500 kg	700 kg	-268 kg
	-	-344 lb	1,103 lb	1,544 lb	-591 lb
Change in Static Tipping Load – Straight	-	-104 kg	333 kg	466 kg	-178 kg
	-	-229 lb	733 lb	1,026 lb	-393 lb
Change in Static Tipping Load – Articulated	-	-90 kg	290 kg	406 kg	-155 kg
	-	-200 lb	639 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.

# **950 Steel Mill Specifications**

# **Tire Options**

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

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

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

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

# **Operating Specifications – Buckets**

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

<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 nitch fan

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

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

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

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

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



# 950 Tunneling

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

# **Proven Reliability**

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

### **Durability**

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

### Achieve Greater Fuel Efficiency and Productivity

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

# **Safety Features**

- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- 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.
- 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.

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

- Extended fluid and filter change intervals reduce maintenance costs by up to 35%.\*
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

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

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

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

# **950 Tunneling Specifications**

# **950 Tunneling Features**

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





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

# **950 Tunneling Specifications**

# **Tire Options**

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

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

# **950 Tunneling Specifications**

# **Operating Specifications – Buckets**

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

<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, tunneling rear guard counterweight, ride control, cold start, tunneling fenders, Product Link, manual diff lock/open axles (front/rear), powertrain guard, secondary steering and sound suppression.

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

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

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

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

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



# **950** *Corrosion Resistant*

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

# **Proven Reliability**

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

# **Durability**

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

### **Achieve Greater Fuel Efficiency and Productivity**

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

### **Safety Features**

- Rear-vision camera enhances visibility behind the machine, helping you work safely and confidently.
- 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 35%.\*
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

### Work in Comfort in the All New Cab

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

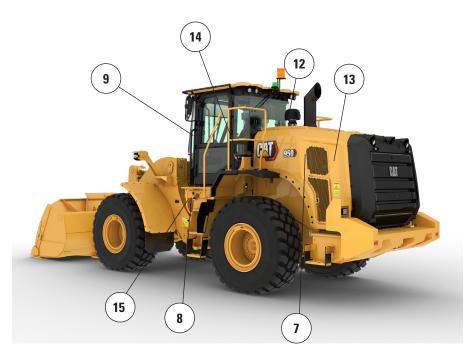
<sup>\*</sup>Parts and fluids only.

# **950 Corrosion Resistant Specifications**

## **950 Corrosion Resistant Features**

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

© 2024 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, Product Link, XT, Fusion, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEXQ3868-00 (7-2024)
Build Number: 14B
(Afr-ME, Eurasia,
S Am [excluding Chile],
SE Asia, Japan, Indonesia)

