



# **Technical Specifications**

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

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Engine – U.S. EPA Tier 4 Fin	al/EU Stage	V	
Engine Model	Cat <sup>®</sup> C7.1		
Meets U.S. EPA Tier 4 Final, EU Stag standards.	ge V, and Japan 20	014 emission	
Engine Power @ 2,100 rpm	186 kW	249 hp	
ISO 14396:2002	253 hp (met	ric)	
Gross Power @ 2,100 rpm	188 kW	253 hp	
SAE J1995:2014	257 hp (metric)		
Net Power @ 2,100 rpm	172 kW	231 hp	
ISO 9249:2007, SAE J1349:2011	235 hp (met	ric)	
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	
Displacement	7.01 L		

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

- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to:
- 20% biodiesel FAME (fatty acid methyl ester)\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-toliquid) 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	11 201 kg	24,694 lb
No Tire Deflection	11 961 kg	26,369 lb
Breakout Force	181 kN	40,690 lbf

• For a machine configuration as defined under "Weight."

• Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

# BucketsBucket Capacities2.5-9.9 m³3.3-13.0 yd

#### Weight

Operating Weight

19 260 kg 42,461 lb

 Weight based on a machine configuration with parallel lift Z-bar linkage, Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link<sup>™</sup>, front manual differential/open rear axles, powertrain guard, secondary steering, sound suppression, and a 3.1 m<sup>3</sup> (4.1 yd<sup>3</sup>) general purpose bucket with bolt-on cutting edges (BOCE).

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

Engine Model	Cat C7.1	
Meets Brazil MAR-1 and UN ECE R9	6 Stage IIIA emi	ission standards,
equivalent to U.S. EPA Tier 3 and EU	Stage IIIA.	
Engine Power @ 2,100 rpm	186 kW	249 hp
ISO 14396:2002	253 hp (met	ric)
Gross Power @ 2,100 rpm	191 kW	256 hp
SAE J1995:2014	260 hp (met	ric)
Net Power @ 2,100 rpm	172 kW	231 hp
ISO 9249:2007, SAE J1349:2011	235 hp (met	ric)
Engine Torque (1,400 rpm)	1236 N·m	912 lbf-ft
ISO 14396:2002		
Gross Torque (1,400 rpm)	1257 N·m	927 lbf-ft
SAE J1995:2014		
Net Torque (1,300 rpm)	1170 N·m	863 lbf-ft
ISO 9249:2007, SAE J1349:2011		
Displacement	7.01 L	

• 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-toliquid) 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.

# **950 Wheel Loader Specifications**

#### **Air Conditioning System**

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.5 lb) of refrigerant which has a  $CO_2$  equivalent 2.288 metric tonnes (2.522 tons).

#### **Hydraulic System**

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

#### Sound

Operator Sound Pressure Level (ISO 6396:2008)	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	107 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	69 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	104 dB(A)
WIN 1 dimensional and the standard of PIT and TITZ dimen	

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

#### **Service Refill Capacities**

Fuel Tank	259.5 L	68.6 gal
Diesel Exhaust Fluid (DEF) Tank (Tier 4 only)	15 L	4.0 gal
Cooling System (Tier 4)	54 L	14.3 gal
Cooling System (Tier 3)	54 L	14.3 gal
Crankcase	21 L	5.5 gal
Transmission	43 L	11.4 gal
Differentials and Final Drives – 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

#### **Axles**

Front	Fixed
Rear	Oscillating ±13 degrees

#### Cab

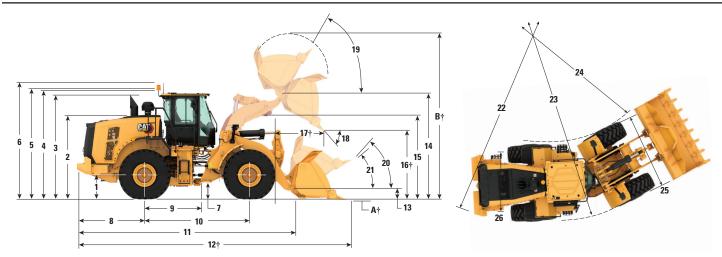
Rollover Protective Structure/Falling Objects Protective Structure (ROPS/FOPS) ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards

Brakes meet ISO 3450:2011 standards

# **950 Wheel Loader Specifications**

#### Dimensions

All dimensions are approximate.



		Standar	rd Lift	High Lift	
1	Height to Axle Centerline	734 mm	2'4"	734 mm	2'4"
2	Height to Top of Hood	2695 mm	8'10"	2695 mm	8'10"
3	Height to Top of Exhaust Pipe	3408 mm	11'2"	3408 mm	11'2"
4	Height to Top of ROPS	3456 mm	11'4"	3456 mm	11'4"
5	Height to Top of Product Link Antenna	3463 mm	11'4"	3463 mm	11'4"
6	Height to Top of Warning Beacon	3736 mm	12'3"	3735 mm	12'3"
7	Ground Clearance	354 mm	1'1"	354 mm	1'1"
8	Centerline of Rear Axle to Edge of Counterweight	2063 mm	6'9"	2077 mm	6'9"
9	Centerline of Rear Axle to Hitch	1675 mm	5'5"	1675 mm	5'5"
10	Wheelbase	3350 mm	10'11"	3350 mm	10'11"
11	Overall Length (without bucket)	7024 mm	23'1"	7490 mm	24'7"
12	Shipping Length (with bucket level on ground)*†	8314 mm	27'4"	8795 mm	28'11"
13	Hinge Pin Height at Carry Height	623 mm	2'0"	775 mm	2'6"
14	Hinge Pin Height at Maximum Lift	4009 mm	13'1"	4514 mm	14'9"
15	Lift Arm Clearance at Maximum Lift	3255 mm	10'8"	3615 mm	11'10"
16	Dump Clearance at Maximum Lift and 45° Discharge*†	2864 mm	9'4"	3370 mm	11'0"
17	Reach at Maximum Lift and 45° Discharge*†	1436 mm	4'8"	1471 mm	4'9"
18	Dump Angle at Maximum Lift and Dump (on stops)*	51 deg	rees	48 deg	grees
19	Rack Back at Maximum Lift*	59 deg	rees	56 deg	grees
20	Rack Back at Carry Height*	49 deg	rees	49 deg	grees
21	Rack Back at Ground*	39 deg	rees	43 deg	grees
22	Clearance Circle (dia) to Counterweight	12 050 mm	39'7"	12 044 mm	39'7"
23	Clearance Circle (dia) to Outside of Tires	12 028 mm	39'6"	12 028 mm	39'6"
24	Clearance Circle (dia) to Inside of Tires	6380 mm	25'0"	6380 mm	25'0"
25	Width over Tires (unloaded)	2800 mm	9'3"	2800 mm	9'3"
	Width over Tires (loaded)	2824 mm	9'4"	2824 mm	9'4"
26	Tread Width	2140 mm	7'0"	2140 mm	7'0"

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

•All dimensions are approximate and based on machine equipped with 3.1 m<sup>3</sup> (4.1 yd<sup>3</sup>) general purpose pin-on bucket bucket with BOCE (see Operating Specifications for other buckets).

†Dimensions are listed in Operating Specifications charts.

#### **Tire Options**

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

\*Width over tire bulge and includes tire growth.

Tire 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	9 mm	0 mm	10 mm	65 mm	19 mm
(average of front and rear)	0.4"	0"	0.4"	2.6"	0.8"
Change in Horizontal Reach	-5 mm	0 mm	2 mm	-36 mm	-4 mm
	-0.2"	0"	0.1"	-1.4"	-0.1"
Change in Clearance Circle to Outside of Tires	18 mm	-3 mm	-1 mm	-20 mm	-34 mm
	0.7"	-0.1"	0"	-0.8"	-1.3"
Change in Clearance Circle to Inside of Tires	-18 mm	3 mm	1 mm	20 mm	34 mm
	-0.7"	0.1"	0"	0.8"	1.3"
Change in Operating Weight (without ballast)	-144 kg	-120 kg	-60 kg	700 kg	-268 kg
	-318 lb	-265 lb	-132 lb	1,544 lb	-591 lb
Change in Static Tipping Load – Straight	-96 kg	-80 kg	-40 kg	466 kg	-178 kg
	-211 lb	-176 lb	-88 lb	1,026 lb	-393 lb
Change in Static Tipping Load – Articulated	-84 kg	-70 kg	-35 kg	406 kg	-155 kg
	-186 lb	-153 lb	-77 lb	895 lb	-343 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±8 degrees	±8 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	481 mm	481 mm	298 mm	298 mm	481 mm
	1'7"	1'7"	1'0"	1'0"	1'7"

\*Width over tire bulge and includes tire growth.

# **950 Wheel Loader Specifications**

#### **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	19 mm	62 mm	11 mm	-2 mm	14 mm
(average of front and rear)	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"

\*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	58 mm	1 mm	43 mm	65 mm	65 mm
(average of front and rear)	2.3"	0"	1.7"	2.5"	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"

\*Width over tire bulge and includes tire growth.

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

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

\*As a % of ISO 7546:1983 rated capacity.

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

M	lateria	al Density	kg/m³	800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300
			3.1 m <sup>3</sup> (4.00 yd <sup>3</sup> )	3.6 m <sup>3</sup> (4.75 yd <sup>3</sup> ) 3.1 m <sup>3</sup> (4.00 yd <sup>3</sup> )
			3.3 m³ (4.25 yd³)	3.8 m <sup>3</sup> (5.00 yd <sup>3</sup> ) 3.3 m <sup>3</sup> (4.25 yd <sup>3</sup> )
		General Purpose	3.4 m³ (4.50 yd³)	3.9 m <sup>3</sup> (5.00 yd <sup>3</sup> ) 3.4 m <sup>3</sup> (4.50 yd <sup>3</sup> )
	Pin-On	& Flat Floor	3.6 m³ (4.75 yd³)	4.1 m <sup>3</sup> (5.50 yd <sup>3</sup> ) 3.6 m <sup>3</sup> (4.75 yd <sup>3</sup> )
ıkage			4.6 m³ (6.00 yd³)	5.2 m <sup>3</sup> (6.75 yd <sup>3</sup> ) 4.6 m <sup>3</sup> (6.00 yd <sup>3</sup> )
Standard Linkage			4.6 m <sup>3</sup> (6.00 yd <sup>3</sup> )	5.3 m <sup>3</sup> (6.75 yd <sup>3</sup> ) 4.6 m <sup>3</sup> (6.00 yd <sup>3</sup> )
Sta		Rock	3.3 m³ (4.25 yd³)	3.8 m <sup>3</sup> (5.00 yd <sup>3</sup> ) 3.1 m <sup>3</sup> (4.00 yd <sup>3</sup> )
			3.4 m <sup>3</sup> (4.50 yd <sup>3</sup> )	3.9 m <sup>3</sup> (5.00 yd <sup>3</sup> ) 3.2 m <sup>3</sup> (4.25 yd <sup>3</sup> )
	u	General	3.1 m <sup>3</sup> (4.00 yd <sup>3</sup> )	3.6 m <sup>3</sup> (4.75 yd <sup>3</sup> ) 3.1 m <sup>3</sup> (4.00 yd <sup>3</sup> )
	Hook-On	Purpose & Flat Floor	3.4 m <sup>3</sup> (4.50 yd <sup>3</sup> )	3.9 m <sup>3</sup> (5.00 yd <sup>3</sup> ) 3.4 m <sup>3</sup> (4.50 yd <sup>3</sup> )
			3.6 m <sup>3</sup> (4.75 yd <sup>3</sup> )	4.1 m <sup>3</sup> (5.50 yd <sup>3</sup> ) 3.6 m <sup>3</sup> (4.75 yd <sup>3</sup> )
M	lateria	al Density	lb/yd <sup>3</sup>	1,348 1,517 1,685 1,854 2,022 2,191 2,359 2,528 2,696 2,865 3,033 3,202 3,370 3,539 3,707 3,876
	115		Fill Factor 05% 100% 95%	

Note: All buckets are showing Bolt-On Edges.

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

\*As a % of ISO 7546:1983 rated capacity.

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

Μ	ateria	al Density	kg/m³	60	0 7	700	800	900	1000	) 1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
			3.1 m <sup>3</sup> (4.00 yd <sup>3</sup> )									3.6 n	n³ (4.75 y 	/d³)		3.	1 m³ (4.0	0 yd³) 		
			3.3 m³ (4.25 yd³)								3.8 m	 1³ (5.00 yc 	d3)		3.3	 m³ (4.25 	yd³)			
	Pin-On	General Purpose	3.4 m³ (4.50 yd³)							;	 3.9 m³ (! 	 5.00 yd³) 		Ļ	 3.4 m³ ( 	 4.50 yd³) 	)			
kage	Pin	& Flat Floor	3.6 m³ (4.75 yd³)							4.1 m <sup>3</sup>	 (5.50 yd 	3)		3.6 m <sup>3</sup> (	 (4.75 yd³) 					
High Lift Linkage			4.6 m³ (6.00 yd³)			!	5.2 m³ (6	6.75 yd³	)	4.	6 m³ (6. 	 .00 yd³) 								
Hig			4.6 m <sup>3</sup> (6.00 yd <sup>3</sup> )			5.3	3 m <sup>3</sup> (6.7	5 yd³)		4.6	m <sup>3</sup> (6.0	0 yd³)								
		General	3.1 m³ (4.00 yd³)								3.	 .6 m³ (4.7! 	5 yd³)		3.	1 m³ (4.0	)0 yd³) 			
	Hook-On	Purpose & Flat Floor	3.4 m³ (4.50 yd³)							3.9 m <sup>3</sup>	(5.00 y	d <sup>3</sup> )		3.4 m <sup>3</sup>	 ³ (4.50 yd 	3)				
			3.6 m³ (4.75 yd³)						4.1	m <sup>3</sup> (5.50 y	/d³)		3.6 n	n³ (4.75 y	vd³)					
Μ	ateria	al Density	lb/yd³	1,0	11 1,	,180	1,348	1,517	1,685	5 1,854	2,022	2 2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539
	115		Fill Factor 05% 100% 95%																	

Note: All buckets are showing Bolt-On Edges.

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

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

\*As a % of ISO 7546:1983 rated capacity.

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

M	ateria	al Density	kg/m³	80	0 90	)0 (	000	1100	1200	) 1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
			3.4 m³ (4.50 yd³)								3.6	 6 m³ (4.75 	5 yd³)			3.4 m <sup>3</sup>	 ³ (4.50 yc 	J <sup>3</sup> )		
		General Purpose	3.6 m³ (4.75 yd³)							3	.8 m³ (5.0	00 yd³)	ļ		3.6 m <sup>3</sup>	 (4.75 yd	3)			
ght	Pin-On	& Flat Floor	4.6 m³ (6.00 yd³)			3.9	 m <sup>3</sup> (5.	 .00 yd³) 			4.6 m <sup>3</sup> (	 6.00 yd³) 								
unterwei	Pin		4.6 m³ (6.00 yd³)			4.1 n	 1 <sup>3</sup> (5.5	0 yd³)		•	4.6 m <sup>3</sup> (6	 .00 yd³) 								
Auxiliary Counterweight		Rock	3.3 m³ (4.25 yd³)						3	.8 m³ (5.0	10 yd³)			3	3.1 m³ (4.	.00 yd³)				
Au		NUCK	3.4 m³ (4.50 yd³)						3.9 ı	 m³ (5.00 y 	′d³)		ų.	3.2 n	 n³ (4.25 א 	/d³) 				
	Hook-On	General Purpose	3.4 m³ (4.50 yd³)							;	3.6 m <sup>3</sup> (4	.75 yd³)			3.4 m	³ (4.50 y	d³)			
	Hoo	& Flat Floor	3.6 m³ (4.75 yd³)							3.9 m³ (	 5.00 yd³) 			3.6 m	   <sup>3</sup> (4.75 y 	d³)				
M	ateria	al Density	lb/yd³	1,3	48 1,5	17 1	,685	1,854	2,022	2 2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876
	115		Fill Factor 05% 100% 95%																	

Note: All buckets are showing Bolt-On Edges.

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

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

\*As a % of ISO 7546:1983 rated capacity.

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

Μ	ateri	al Density	kg/m³	10	0 20	0 30	00 4	00 5	500	600	700	800	900	1000	1100	1200
	Pin-On		9.2 m³ (12.00 yd³)				10.6 m <sup>3</sup>	 (13.75 yd³) 		9.2 m³ (1	 12.00 yd³) 					
Standard Linkage	Pin	Woodchip	9.9 m³ (13.00 yd³)			1	1.4 m³ (15.	00 yd³)	9.9	   m³ (13.00 	yd³)					
Standard	Hook-On	woodcnip	9.2 m³ (12.00 yd³)			10.6	6 m³ (13.75 v 	yd³)	9.2 m	 1 <sup>3</sup> (12.00 yc 	J <sup>3</sup> )					
	Hoo		9.9 m³ (13.00 yd³)			11.4 m	3 (15.00 yd <sup>3</sup>	) <b>    9</b> .	 .9 m³ (13 	.00 yd³)						
	Pin-On		9.2 m³ (12.00 yd³)			10.6	 m³ (13.75 y 	 d <sup>3</sup> )	9.2 m <sup>3</sup>	 3 (12.00 yd <sup>:</sup> 	3)					
High Lift Linkage		Woodchip	9.9 m³ (13.00 yd³)			11.4 m <sup>3</sup>	15.00 yd³)	9.9	) m³ (13.0	 00 yd³) 						
High Lift	Hook-On	woodemp	9.2 m³ (12.00 yd³)			10.6 m³ (13	.75 yd³)	9.2 m	 1 <sup>3</sup> (12.00 	γd³) 						
	Hoo		9.9 m³ (13.00 yd³)		11	.4 m³ (15.00	) yd³)	9.9 m³ (1	  3.00 yd <sup>3</sup> 	)						
ight	Pin-On		9.2 m³ (12.00 yd³)				10.6	m³ (13.75 y	yd³)	9.2	 m³ (12.00 y 	d³)				
Auxiliary Counterweight		Woodchip	9.9 m³ (13.00 yd³)				11.4 m³ (	 15.00 yd³) 		9.9 m³ (13	.00 yd³)					
xiliary Co	Hook-On	Woodenip	9.2 m <sup>3</sup> (12.00 yd <sup>3</sup> )			1	 0.6 m³ (13. <sup>-</sup> 	75 yd³)	9.2	 2 m³ (12.00 	yd³)					
Au	Hoo		9.9 m³ (13.00 yd³)			11.4	m³ (15.00 v	yd³)	9.9 m <sup>3</sup>	 (13.00 yd³ 	)					
M	ateri	al Density	lb/yd³	16	9 33	57 50	06 6	74 8	343	1,011	1,180	1,348	1,517	1,685	1,854	2,022
	115		Fill Factor 05% 100% 95%													

Note: All buckets are showing Bolt-On Edges.

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

Linkage		Standard Linkage											
Bucket Type			Ge	neral Purpose – H	look-On – Fusi	on™							
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments						
Capacity – Rated	m <sup>3</sup>	3.10	3.10	3.40	3.40	3.60	3.60						
	yd <sup>3</sup>	4.00	4.00	4.50	4.50	4.75	4.75						
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.70	3.70	4.00	4.00						
	yd <sup>3</sup>	4.50	4.50	4.75	4.75	5.25	5.25						
Width	mm	2927	2994	2927	2994	2927	2994						
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"						
6 <sup>+</sup> Dump Clearance at Maximum Lift	mm	2825	2706	2767	2648	2741	2621						
and 45° Discharge	ft/in	9'3"	8'10"	9'0"	8'8"	8'11"	8'7"						
<b>7</b> <sup>+</sup> Reach at Maximum Lift and	mm	1481	1591	1524	1633	1545	1654						
45° Discharge	ft/in	4'10"	5'2"	5'0"	5'4"	5'0"	5'5"						
Reach at Level Lift Arm and	mm	2754	2915	2827	2988	2862	3023						
Bucket Level	ft/in	9'0"	9'6"	9'3"	9'9"	9'4"	9'11"						
A <sup>+</sup> Digging Depth	mm	102	102	102	102	102	102						
	in	4"	4"	4"	4"	4"	4"						
<b>2</b> <sup>+</sup> Overall Length	mm	8374	8547	8447	8620	8482	8655						
	ft/in	27'6"	28'1"	27'9"	28'4"	27'10"	28'5"						
<b>B</b> <sup>+</sup> Overall Height with Bucket at	mm	5546	5546	5618	5618	5652	5652						
Maximum Lift	ft/in	18'3"	18'3"	18'6"	18'6"	18'7"	18'7"						
Loader Clearance Circle Radius	mm	6749	6836	6772	6859	6783	6870						
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'3"	22'7"	22'4"	22'7"						
Static Tipping Load, Straight	kg	12 402	12 262	12 268	12 127	12 202	12 060						
(With tire deflection)	lb	27,342	27,033	27,048	26,736	26,902	26,589						
Static Tipping Load, Straight	kg	13 143	13 001	13 013	12 870	12 949	12 805						
(No tire deflection)	lb	28,976	28,663	28,689	28,373	28,547	28,230						
Static Tipping Load,	kg	10 638	10 498	10 511	10 370	10 449	10 307						
Articulated (With tire deflection)	lb	23,454	23,144	23,174	22,862	23,036	22,723						
Static Tipping Load, Articulated	kg	11 387	11 245	11 263	11 120	11 203	11 059						
(No tire deflection)	lb	25,105	24,792	24,832	24,517	24,698	24,381						
Breakout Force (§)	kN	172	171	162	161	158	157						
	lbf	38,737	38,451	36,582	36,299	35,623	35,340						
Operating Weight*	kg	19 730	19 838	19 800	19 908	19 834	19 942						
Speraning Height	lb	43,498	43,736	43,652	43,890	43,727	43,965						

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

† Illustration shown with Dimension charts.

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

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

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

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

Linkage				S	tandard Linkaç	je		
Bucket Type				Flat Floo	r – Pin-On			Flat Floor - Pin-On – Light Material
		Bolt-On		Bolt-On		Bolt-On		Bolt-On
Edge Time		Cutting Edges	Teeth and Segments	Cutting	Teeth and Segments	Cutting	Teeth and Segments	Cutting
Edge Type	2	-		Edges		Edges		Edges
Capacity – Rated	m <sup>3</sup>	3.30	3.30	3.40	3.40	3.60	3.60	4.60
	yd <sup>3</sup>	4.25	4.25	4.50	4.50	4.75	4.75	6.00
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.60	3.60	3.70	3.70	4.00	4.00	5.00
	yd <sup>3</sup>	4.75	4.75	4.75	4.75	5.25	5.25	6.50
Width	mm	2927	2994	2927	2994	2927	2994	3338
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"	10'11"
<b>16</b> <sup>†</sup> Dump Clearance at Maximum Lift	mm	2777	2652	2749	2624	2717	2592	2622
and 45° Discharge	ft/in	9'1"	8'8"	9'0"	8'7"	8'11"	8'6"	8'7"
17† Reach at Maximum Lift and	mm	1384	1486	1412	1514	1444	1546	1553
45° Discharge	ft/in	4'6"	4'10"	4'7"	4'11"	4'8"	5'0"	5'1"
Reach at Level Lift Arm and	mm	2737	2898	2777	2938	2822	2983	2967
Bucket Level	ft/in	8'11"	9'6"	9'1"	9'7"	9'3"	9'9"	9'8"
<b>A</b> † Digging Depth	mm	102	102	102	102	102	102	92
	in	4"	4"	4"	4"	4"	4"	3.6"
12† Overall Length	mm	8357	8530	8397	8570	8442	8615	8580
	ft/in	27'6"	28'0"	27'7"	28'2"	27'9"	28'4"	28'2"
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	5515	5515	5554	5554	5602	5602	5502
Maximum Lift	ft/in	18'2"	18'2"	18'3"	18'3"	18'5"	18'5"	18'1"
Loader Clearance Circle Radius		6748	6834	6760	6847	6774	6861	6999
with Bucket at Carry Position	mm	22'2"		22'3"		22'3"	22'7"	+
Static Tipping Load, Straight	t/in		22'6"		22'6"			23'0"
	kg	12 751	12 611	12 672	12 531	12 584	12 442	12 269
(With tire deflection)	lb	28,112	27,803	27,938	27,627	27,743	27,431	27,048
Static Tipping Load, Straight	kg	13 486	13 344	13 408	13 266	13 322	13 179	12 988
(No tire deflection)	lb	29,732	29,420	29,561	29,247	29,371	29,055	28,635
Static Tipping Load,	kg	10 984	10 844	10 909	10 768	10 825	10 684	10 542
Articulated (With tire deflection)	lb	24,217	23,908	24,051	23,741	23,866	23,554	23,242
Static Tipping Load, Articulated	kg	11 727	11 585	11 653	11 511	11 572	11 428	11 271
(No tire deflection)	lb	25,854	25,542	25,692	25,378	25,511	25,196	24,848
Breakout Force (§)	kN	174	173	169	167	163	162	147
	lbf	39,241	38,955	38,002	37,717	36,690	36,407	33,132
Operating Weight*	kg	19 316	19 424	19 356	19 464	19 400	19 508	19 480
	lb	42,584	42,822	42,672	42,910	42,769	43,007	42,945

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

† Illustration shown with Dimension charts.

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

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

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

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

Linkage		Standard Linkage						
Bucket Type			Flat Floor – H	ook-On – Fusion				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments			
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.60	3.60			
	yd <sup>3</sup>	4.50	4.50	4.75	4.75			
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70	4.00	4.00			
	yd <sup>3</sup>	4.75	4.75	5.25	5.25			
Width	mm	2927	2994	2927	2994			
	ft/in	9'7"	9'9"	9'7"	9'9"			
16† Dump Clearance at Maximum Lift	mm	2707	2581	2675	2549			
and 45° Discharge	ft/in	8'10"	8'5"	8'9"	8'4"			
17 <sup>†</sup> Reach at Maximum Lift and	mm	1455	1557	1486	1589			
45° Discharge	ft/in	4'9"	5'1"	4'10"	5'2"			
Reach at Level Lift Arm and	mm	2837	2998	2882	3043			
Bucket Level	ft/in	9'3"	9'10"	9'5"	9'11"			
A <sup>+</sup> Digging Depth	mm	102	102	102	102			
	in	4"	4"	4"	4"			
12† Overall Length	mm	8457	8630	8502	8675			
	ft/in	27'9"	28'4"	27'11"	28'6"			
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	5588	5588	5631	5631			
Maximum Lift	ft/in	18'4"	18'4"	18'6"	18'6"			
Loader Clearance Circle Radius	mm	6775	6862	6789	6877			
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'4"	22'7"			
Static Tipping Load, Straight	kg	12 124	11 983	12 041	11 900			
(With tire deflection)	lb	26,729	26,419	26,546	26,235			
Static Tipping Load, Straight	kg	12 850	12 708	12 768	12 626			
(No tire deflection)	lb	28,330	28,017	28,150	27,835			
Static Tipping Load,	kg	10 386	10 246	10 308	10 167			
Articulated (With tire deflection)	lb	22,898	22,589	22,726	22,415			
Static Tipping Load, Articulated	kg	11 121	10 979	11 044	10 901			
(No tire deflection)	lb	24,518	24,205	24,349	24,034			
Breakout Force (§)	kN	161	160	156	154			
	lbf	36,293	36,010	35,090	34,809			
Operating Weight*	kg	19 803	19 911	19 843	19 951			
	lb	43,657	43,895	43,745	43,983			

\* 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.

† Illustration shown with Dimension charts.

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

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

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

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

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

\* 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.

† Illustration shown with Dimension charts.

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

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

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

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

Linkage		Standard Linkage						
Bucket Type			High Dum	p – Pin-On				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges			
Capacity – Rated	m <sup>3</sup>	5.10	6.10	7.60	9.20			
	yd <sup>3</sup>	6.75	8.00	10.00	12.00			
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.60	6.70	8.40	10.10			
	yd <sup>3</sup>	7.25	8.75	11.00	13.25			
Width	mm	3029	2910	3350	3350			
	ft/in	9'11"	9'6"	10'11"	10'11"			
<b>16</b> <sup>†</sup> Dump Clearance at Maximum Height	mm	4568	4535	4462	4298			
and High Dump Fully Rolled Out (45°)	ft/in	14'10"	14'9"	14'6"	14'1"			
<b>7</b> <sup>†</sup> Reach at Maximum Height and High	mm	1757	1798	1870	2031			
Dump Fully Rolled Out (45°)	ft/in	5'8"	5'9"	6'1"	6'7"			
Reach at Level Lift Arm and	mm	3207	3311	3478	3678			
Bucket Level	ft/in	10'6"	10'10"	11'4"	12'0"			
A† Digging Depth	mm	94	168	72	72			
	in	3.7"	6.6"	2.8"	2.8"			
2† Overall Length	mm	8821	8978	9098	9298			
	ft/in	29'0"	29'6"	29'11"	30'7"			
<b>B</b> <sup>†</sup> Overall Height at Maximum Height and	mm	6674	6827	6818	6972			
High Dump Fully Rolled Out (45°)	ft/in	21'9"	22'4"	22'4"	22'9"			
Loader Clearance Circle Radius	mm	6938	6947	7171	7239			
with Bucket at Carry Position	ft/in	22'10"	22'10"	23'7"	23'9"			
Static Tipping Load, Straight	kg	11 226	10 289	10 698	10 371			
(With tire deflection)	lb	24,749	22,684	23,585	22,866			
Static Tipping Load, Straight	kg	11 958	11 007	11 463	11 140			
(No tire deflection)	lb	26,365	24,267	25,272	24,561			
Static Tipping Load,	kg	9544	8640	9009	8700			
Articulated (With tire deflection)	lb	21,041	19,048	19,861	19,180			
Static Tipping Load, Articulated	kg	10 285	9366	9781	9476			
(No tire deflection)	lb	22,675	20,649	21,564	20,892			
Breakout Force (§)	kN	123	114	108	96			
	lbf	27,694	25,628	24,436	21,789			
Operating Weight*	kg	20 108	20 870	20 669	20 842			
	lb	44,329	46,009	45,566	45,948			

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

† Illustration shown with Dimension charts.

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

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

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

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

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

\* 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.

† Illustration shown with Dimension charts.

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

\* 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.

† Illustration shown with Dimension charts.

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

Linkage		High Lift Linkage						
Bucket Type			G	ieneral Purpose – I	Hook-On – Fu	sion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	m <sup>3</sup>	3.10	3.10	3.40	3.40	3.60	3.60	
	yd <sup>3</sup>	4.00	4.00	4.50	4.50	4.75	4.75	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.70	3.70	4.00	4.00	
	yd <sup>3</sup>	4.50	4.50	4.75	4.75	5.25	5.25	
Width	mm	2927	2994	2927	2994	2927	2994	
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"	
<b>16</b> <sup>†</sup> Dump Clearance at Maximum Lift	mm	3330	3212	3273	3154	3246	3127	
and 45° Discharge	ft/in	10'11"	10'6"	10'8"	10'4"	10'7"	10'3"	
17† Reach at Maximum Lift and	mm	1516	1627	1559	1669	1581	1690	
45° Discharge	ft/in	4'11"	5'4"	5'1"	5'5"	5'2"	5'6"	
Reach at Level Lift Arm and	mm	3129	3290	3202	3363	3237	3398	
Bucket Level	ft/in	10'3"	10'9"	10'6"	11'0"	10'7"	11'1"	
A <sup>†</sup> Digging Depth	mm	106	106	106	106	106	106	
	in	4.1"	4.1"	4.1"	4.1"	4.1"	4.1"	
12† Overall Length	mm	8855	9026	8928	9099	8963	9134	
	ft/in	29'1"	29'8"	29'4"	29'11"	29'5"	30'0"	
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6051	6051	6123	6123	6157	6157	
Maximum Lift	ft/in	19'11"	19'11"	20'2"	20'2"	20'3"	20'3"	
Loader Clearance Circle Radius	mm	6946	7037	6970	7061	6981	7073	
with Bucket at Carry Position	ft/in	22'10"	23'2"	22'11"	23'2"	22'11"	23'3"	
Static Tipping Load, Straight	kg	10 956	10 820	10 832	10 694	10 770	10 633	
(With tire deflection)	lb	24,154	23,854	23,880	23,578	23,745	23,441	
Static Tipping Load, Straight	kg	11 535	11 398	11 414	11 275	11 354	11 215	
(No tire deflection)	lb	25,431	25,129	25,163	24,858	25,031	24,725	
Static Tipping Load,	kg	9317	9180	9198	9061	9140	9002	
Articulated (With tire deflection)	lb	20,540	20,240	20,279	19,976	20,151	19,847	
Static Tipping Load, Articulated	kg	9913	9776	9798	9659	9741	9602	
(No tire deflection)	lb	21,856	21,554	21,601	21,296	21,475	21,169	
Breakout Force (§)	kN	163	162	154	153	150	149	
	lbf	36,824	36,572	34,767	34,516	33,852	33,600	
Operating Weight*	kg	20 391	20 499	20 461	20 569	20 495	20 603	
	lb	44,954	45,192	45,108	45,346	45,183	45,421	

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

Linkage		High Lift Linkage							
Bucket Type			Flat Floor – Hook-On – Fusion						
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments				
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.60	3.60				
	yd <sup>3</sup>	4.50	4.50	4.75	4.75				
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70	4.00	4.00				
	yd <sup>3</sup>	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	3212	3087	3180	3055				
and 45° Discharge	ft/in	10'6"	10'1"	10'5"	10'0"				
17; Reach at Maximum Lift and	mm	1490	1592	1522	1624				
45° Discharge	ft/in	4'10"	5'2"	4'11"	5'3"				
Reach at Level Lift Arm and	mm	3212	3373	3257	3418				
Bucket Level	ft/in	10'6"	11'0"	10'8"	11'2"				
A† Digging Depth	mm	106	106	106	106				
	in	4.1"	4.1"	4.1"	4.1"				
12† Overall Length	mm	8938	9109	8983	9154				
	ft/in	29'4"	29'11"	29'6"	30'1"				
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6094	6094	6137	6137				
Maximum Lift	ft/in	20'0"	20'0"	20'2"	20'2"				
Loader Clearance Circle Radius	mm	6973	7065	6988	7080				
with Bucket at Carry Position	ft/in	22'11"	23'3"	23'0"	23'3"				
Static Tipping Load, Straight	kg	10 721	10 584	10 644	10 507				
(With tire deflection)	lb	23,635	23,335	23,467	23,165				
Static Tipping Load, Straight	kg	11 290	11 153	11 215	11 077				
(No tire deflection)	lb	24,891	24,589	24,725	24,421				
Static Tipping Load,	kg	9103	8966	9030	8893				
Articulated (With tire deflection)	lb	20,069	19,768	19,909	19,607				
Static Tipping Load, Articulated	kg	9690	9553	9619	9481				
(No tire deflection)	lb	21,364	21,062	21,207	20,903				
Breakout Force (§)	kN	153	152	148	147				
	lbf	34,491	34,239	33,343	33,092				
Operating Weight*	kg	20 463	20 571	20 503	20 611				
	lb	45,113	45,351	45,201	45,439				

\* 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.

† Illustration shown with Dimension charts.

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

†Illustration shown with Dimension charts.

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

Linkage			Auxiliary C	ounterweight	
Bucket Type			Flat Floor – H	ook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.60	3.60
	yd <sup>3</sup>	4.50	4.50	4.75	4.75
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70	4.00	4.00
	yd <sup>3</sup>	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> <sup>†</sup> Dump Clearance at Maximum Lift	mm	2707	2581	2675	2549
and 45° Discharge	ft/in	8'10"	8'5"	8'9"	8'4"
17† Reach at Maximum Lift and	mm	1455	1557	1486	1589
45° Discharge	ft/in	4'9"	5'1"	4'10"	5'2"
Reach at Level Lift Arm and	mm	2837	2998	2882	3043
Bucket Level	ft/in	9'3"	9'10"	9'5"	9'11"
A† Digging Depth	mm	102	102	102	102
	in	4"	4"	4"	4"
12† Overall Length	mm	8486	8659	8531	8704
	ft/in	27'11"	28'5"	28'0"	28'7"
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	5588	5588	5631	5631
Maximum Lift	ft/in	18'4"	18'4"	18'6"	18'6"
Loader Clearance Circle Radius	mm	6775	6862	6789	6877
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'4"	22'7"
Static Tipping Load, Straight	kg	12 930	12 790	12 845	12 704
(With tire deflection)	lb	28,507	28,198	28,318	28,008
Static Tipping Load, Straight	kg	13 716	13 574	13 632	13 489
(No tire deflection)	lb	30,239	29,927	30,054	29,740
Static Tipping Load,	kg	11 054	10 914	10 973	10 832
Articulated (With tire deflection)	lb	24,370	24,061	24,192	23,881
Static Tipping Load, Articulated	kg	11 851	11 709	11 772	11 629
(No tire deflection)	lb	26,128	25,815	25,954	25,639
Breakout Force (§)	kN	161	160	156	154
	lbf	36,293	36,010	35,090	34,809
Operating Weight*	kg	20 213	20 321	20 253	20 361
	lb	44,561	44,799	44,649	44,887

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

† Illustration shown with Dimension charts.

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

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

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

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

Linkage		Auxiliary Counterweight						
Bucket Type			High Dum	p – Pin-On				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges			
Capacity – Rated	m <sup>3</sup>	5.10	6.10	7.60	9.20			
	yd <sup>3</sup>	6.75	8.00	10.00	12.00			
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.60	6.70	8.40	10.10			
	yd <sup>3</sup>	7.25	8.75	11.00	13.25			
Width	mm	3029	2910	3350	3350			
	ft/in	9'11"	9'6"	10'11"	10'11"			
<b>16</b> <sup>†</sup> Dump Clearance at Maximum Height	mm	4568	4589	4462	4298			
and High Dump Fully Rolled Out (45°)	ft/in	14'10"	15'1"	14'6"	14'1"			
<b>17</b> <sup>†</sup> Reach at Maximum Height and High	mm	1757	1833	1870	2031			
Dump Fully Rolled Out (45°)	ft/in	5'8"	6'0"	6'1"	6'7"			
Reach at Level Lift Arm and	mm	3207	3311	3543	3743			
Bucket Level	ft/in	10'6"	10'10"	11'7"	12'3"			
A <sup>†</sup> Digging Depth	mm	94	168	72	72			
	in	3.7"	6.6"	2.8"	2.8"			
12† Overall Length	mm	8850	9007	9192	9392			
	ft/in	29'1"	29'7"	30'2"	30'10"			
B <sup>†</sup> Overall Height at Maximum Height and	mm	6674	6868	6818	6972			
High Dump Fully Rolled Out (45°)	ft/in	21'9"	22'5"	22'4"	22'9"			
Loader Clearance Circle Radius	mm	6938	6947	7193	7262			
with Bucket at Carry Position	ft/in	22'10"	22'10"	23'8"	23'10"			
Static Tipping Load, Straight	kg	12 003	11 050	10 824	10 497			
(With tire deflection)	lb	26,463	24,362	23,863	23,143			
Static Tipping Load, Straight	kg	12 797	11 829	11 636	11 313			
(No tire deflection)	lb	28,213	26,080	25,652	24,941			
Static Tipping Load,	kg	10 186	9269	9026	8718			
Articulated (With tire deflection)	lb	22,457	20,435	19,901	19,221			
Static Tipping Load, Articulated	kg	10 992	10 059	9850	9545			
(No tire deflection)	lb	24,233	22,177	21,715	21,044			
Breakout Force(§)	kN	123	114	104	93			
	lbf	27,694	25,628	23,412	20,922			
Operating Weight*	kg	20 518	21 280	21 646	21 818			
	lb	45,233	46,913	47,720	48,099			

\* 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.

† Illustration shown with Dimension charts.

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

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

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

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

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

\* 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.

† Illustration shown with Dimension charts.

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

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

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

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

#### **Fork Specifications**

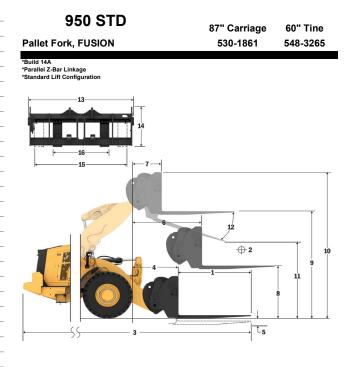
-----Hydraulic Lift Capacit

Coolant, Lubricants, and Operator.

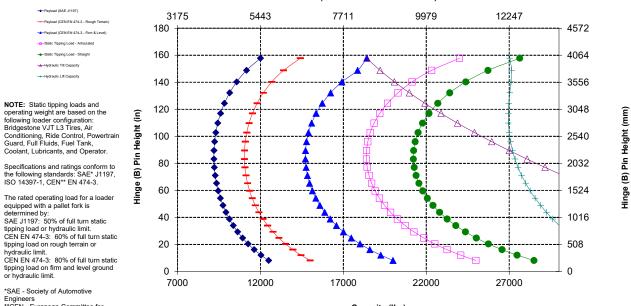
-Payload (CEN EN 474-3 - Rough Te

-O-Static Tipping Load - Articulated Static Tipping Load - Straight

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Otatia Tinging Land Otariakt (Faults Laws))	in ka	30.0 9625
	Static Tipping Load - Straight (Forks Level)	lbs	21213
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	8341 18383
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4170 9191
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5004 11030
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	6673 14706
3	Maximum Overall Length	mm in	8980 353.5
4	Reach with Forks at Ground Level	mm	1258
-4	Reach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-160 -6.3
6	Reach with Arms Horizontal and Forks Level	mm	1752
		in	69.0
7	Reach with Fork at Maximum Height	mm in	1037 40.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
	Cround to Tan of Tine at Maximum Height and Fark Lavel	in mm	69.7 3707
9	Ground to Top of Tine at Maximum Height and Fork Level	in	145.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4482 176.4
11	Clearance at Full Lift and Max Dump	mm	2327
12	Max Discharge Angle from Horizontal	deg	91.6 47
	5 0	mm	2217
13	Overall Carriage Width	in	87.3
14	Overall Carriage Height	mm	840
		in mm	33.1 2070
15	Outside Tine 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 Capacity	kq	6300
		lbs kg	13885 18950
	Operating Weight	lbs	41766
	*Negative values indicate below grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



or hydraulic limit.

Standardization

\*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.

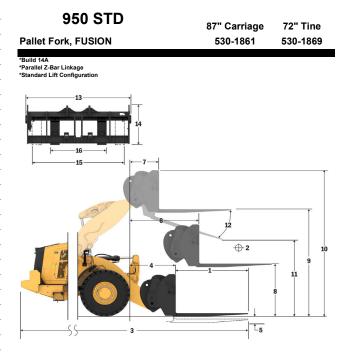
#### Fork Specifications

-Payload (SAE J1197)

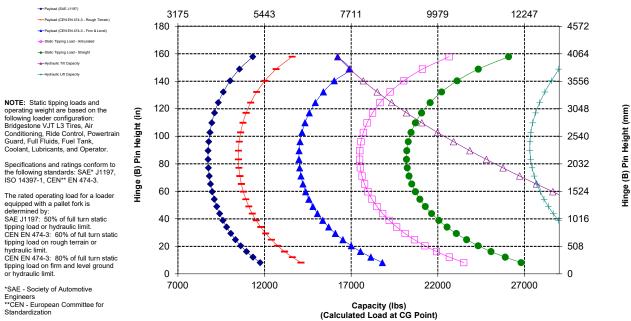
 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

-Payload (CEN EN 474-3 - Rough Ter

	•		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
- 2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9158
	etate hpping zoad etatgin (Fente zeroi)	lbs	20184
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	7930 17477
		kg	3965
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8739
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4758
	Rated Load (CEN EN 474-5 Rough Terrain - 00 % F131L)	lbs	10486
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6344
		lbs	13982
3	Maximum Overall Length	mm in	9286 365.6
		mm	1258
4	Reach with Forks at Ground Level	in	49.5
	*Cround to Bottom of Ting at Minimum Height and Fark Loval	mm	-160
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-6.3
6	Reach with Arms Horizontal and Forks Level	mm	1752
		in	69.0
7	Reach with Fork at Maximum Height	mm	1037
		in mm	40.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	69.7
_	One was the Tang of Time of Mercine was blacked and Fault Land	mm	3707
9	Ground to Top of Tine at Maximum Height and Fork Level	in	145.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4482
	evenual height of heint dir han Eint (top of buildinge to ground)	in	176.4
11	Clearance at Full Lift and Max Dump	mm	2105
	,	in	82.9
12	Max Discharge Angle from Horizontal	deg	47
42	Overall Carriage Width	mm	2217
13	Overall Carriage Wildtri	in	87.3
14	Overall Carriage Height	mm	840
<u> </u>	oronan carriago risigne	in	33.1
15	Outside Tine Width (max spread)	mm	2070 81.5
		in mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	ka	5246
		lbs	11562
	Operating Weight	ka Ibs	18997 41870
	AND 10 1 1 1 1 1 1 1	105	-10/0
	*Negative values indicate below grade		



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





Standardization

\*SAE - Society of Automotive

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

34

#### Fork Specifications

-Payload (SAE J1197)

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

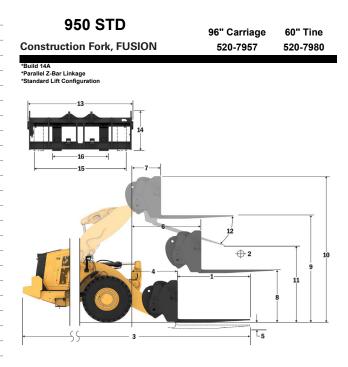
Coolant, Lubricants, and Operator

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

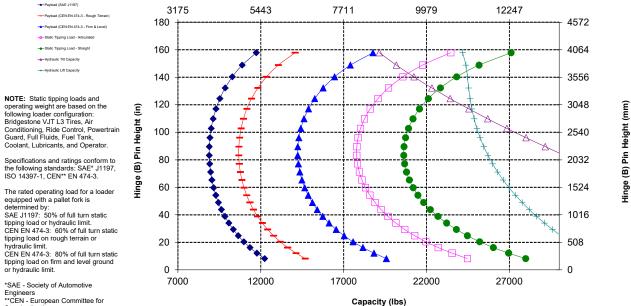
---- Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level 

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in kg	30.0 9356
	Static Tipping Load - Straight (Forks Level)	lbs	20620
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	8068 17782
	Detect Lood (CAE 11107 EOR/ ETCTL)	kg	4034
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8891
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4841 10669
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6454
	Rated Load (CEN EN 474-3 Firm and Level Glound - 60% F131L)	lbs	14226
3	Maximum Overall Length	mm in	8935 351.8
4	Reach with Forks at Ground Level	mm	1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-79 -3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
	Reach with Arms Honzontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm in	1029 40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
•	Ground to Top of Time with Arms Honzontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3812 150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
		in	191.0
11	Clearance at Full Lift and Max Dump	mm in	2272 89.5
12	Max Discharge Angle from Horizontal	deg	53
		mm	2528
13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	0 0	in mm	44.5 2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
		in mm	22.7
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in kg	3.5
	Tine Capacity	lbs	39231
	Operating Weight	kq	19325
		lbs	42593
	*Negative values indicate below grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

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

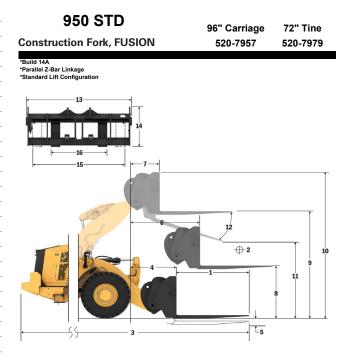
#### **Fork Specifications**

-d-Hydraulic Tilt Cap -----Hydraulic Lift Capacit

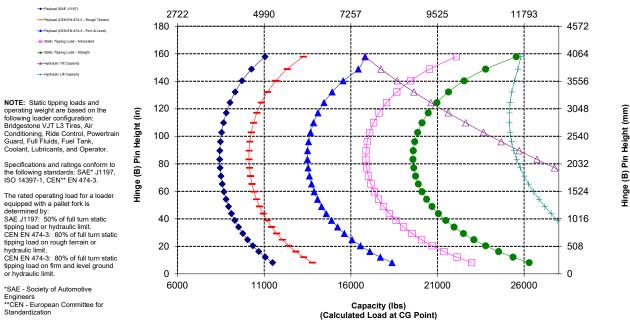
-Payload (CEN EN 474-3 - Rough Te

-O-Static Tipping Load - Articulated Static Tipping Load - Straight

1 Tine Length mm	
	1829 72.0
2 Load Center mm	915
In	36.0
Static Tipping Load - Straight (Forks Level)	8883
	19579 7652
Static Tipping Load - Articulated (Forks Level)	16864
Rated Load (SAE J1197 - 50% FTSTL)	3826
IDS /	8432
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	4591
, DS	<u>10118</u> 6121
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	13491
mm	9240
3 Maximum Overall Length in	363.8
4 Reach with Forks at Ground Level mm	1213
in	47.7
5 *Ground to Bottom of Tine at Minimum Height and Fork Level	-79
Desch with Arms Harizentel and Early Lovel	<u>-3.1</u> 1744
6 Reach with Arms Horizontal and Forks Level	68.7
7 Reach with Fork at Maximum Height mm	1029
in	40.5
8 Ground to Top of Tine with Arms Horizontal and Fork Level mm	1877
	73.9
9 Ground to Top of Tine at Maximum Height and Fork Level in	150.1
10 Overall Height of Fork at Full Lift (top of carriage to ground)	4853
in	191.0
11 Clearance at Full Lift and Max Dump	2029
in	79.9
12 Max Discharge Angle from Horizontal deg	53
13 Overall Carriage Width	2528
	99.5
14 Overall Carriage Height mm	1130
If Outside Tex Midth (man and all)	44.5 2178
15 Outside Tine Width (max spread)	85.7
	576
mm	22.7
16 Outside Tine Width (min spread) mm in Tine Width (signale tine) mm	180.0
16         Outside Tine Width (min spread)         mm in           Tine Width (single tine)         mm in	180.0 7.1
16         Outside Tine Width (min spread)         mm in           Tine Width (single tine)         mm in           Tine Thickness         mm	180.0 7.1 90.0
16         Outside Tine Width (min spread)         mm in           Tine Width (single tine)         mm in           Tine Thickness         mm in	180.0 7.1 90.0 3.5
16         Outside Tine Width (min spread)         mm in           Tine Width (single tine)         mm in           Tine Thickness         mm	180.0 7.1 90.0
16     Outside Tine Width (min spread)     mm in       Tine Width (single tine)     mm in       Tine Thickness     mm in       Tine Capacity     kq bs       Operating Weight     ka	180.0 7.1 90.0 3.5 14800 32619 19386
16     Outside Tine Width (min spread)     mm in       Tine Width (single tine)     mm in       Tine Thickness     mm in       Tine Capacity     kq ibs	180.0 7.1 90.0 3.5 14800 32619



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



or hydraulic limit.

Standardization

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

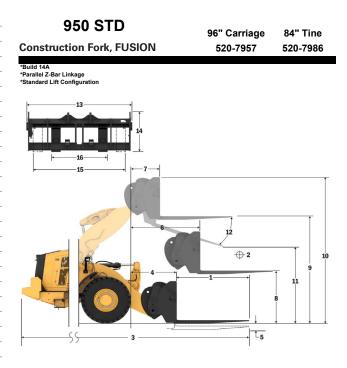
#### Fork Specifications

-Payload (SAE J1197)

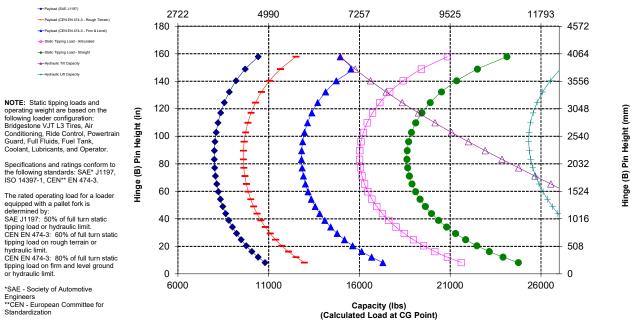
 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

-Payload (CEN EN 474-3 - Rough Te

	•		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8443 18609
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	7263 16008
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3631
	Rated Load (SRE 51197 - 50 % F151E)	lbs	8004
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4358 9605
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5810
	Rated Load (CEIN EN 474-3 Fillin and Level Glound - 80% F131E)	lbs	12806
3	Maximum Overall Length	mm in	9545 375.8
		mm	1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
		in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm in	1744 68.7
-	Deach with Fault at Maximum Ulainht	mm	1029
7	Reach with Fork at Maximum Height	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	•	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3812 150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
	oronan noight of ronn at rain Ent (top of barnage to groana)	in	191.0
11	Clearance at Full Lift and Max Dump	mm in	1786 70.3
12	Max Discharge Angle from Horizontal	deg	53
		mm	2528
13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	oronali carnago riolgin	in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
40	Quality Time (Middle (min anne d)	mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka Ibs	12700 27991
	Operating Weight	ka	19449
	Operating Weight	lbs	42866
	*Negative values indicate below grade		



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



Standardization

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#### **Fork Specifications**

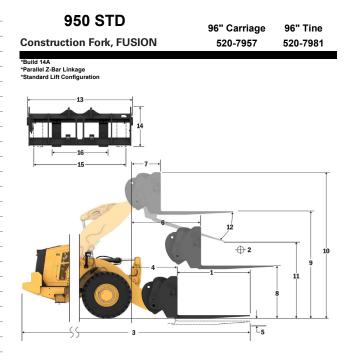
-----Hydraulic Lift Capacit

Coolant, Lubricants, and Operator.

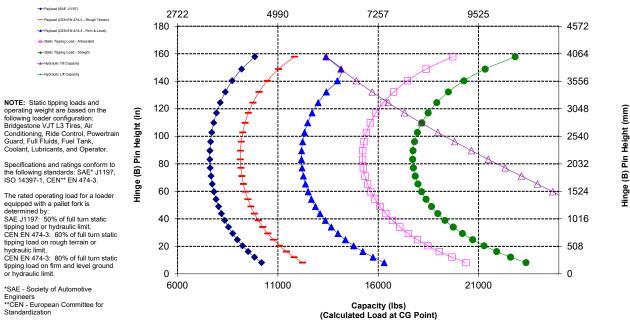
-Payload (CEN EN 474-3 - Rough T

-O-Static Tipping Load - Articulated Static Tipping Load - Straight

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8036 17712
	Static Tipping Load - Articulated (Forks Level)	kg	6903
	Static Tipping Load - Atticulated (Forks Level)	lbs	15214
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3452 7607
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4142
	( ,	lbs	9129 5522
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	12171
3	Maximum Overall Length	mm	9849
		in	387.7
4	Reach with Forks at Ground Level	mm	1213
		in mm	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in	68.7
7	Reach with Fork at Maximum Height	mm in	1029 40.5
	One week to Tax of Time with Annual Lanine state and Fault Laws	mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
		in mm	150.1 4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	1544
<u> </u>		in	60.8
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2528
	5	in mm	99.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
	Outside Title Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg	11300
		lbs	24905
	Operating Weight	ka Ibs	19511 43003
	*Negative values indicate holev grade	lbs	43003
	*Negative values indicate below grade		



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



or hydraulic limit.

Standardization

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

#### **Fork Specifications**

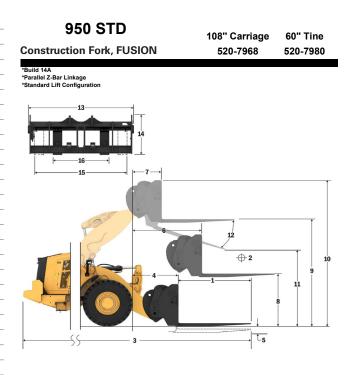
-Payload (SAE J1197)

-d-Hydraulic Tilt Cap -----Hydraulic Lift Capacit

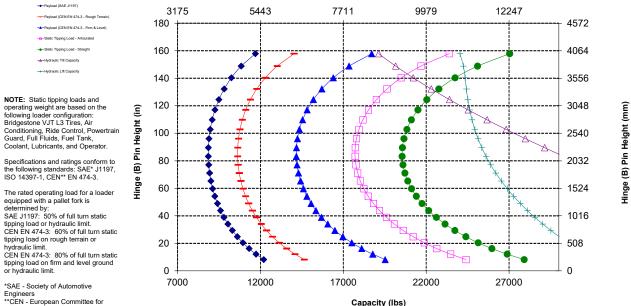
-Payload (CEN EN 474-3 - Rough T

-O-Static Tipping Load - Articulated Static Tipping Load - Straight

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in ka	30.0 9321
	Static Tipping Load - Straight (Forks Level)	lbs	20543
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	8033 17705
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4017
		lbs	8852 4820
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	10623
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6426
		lbs mm	14164 8935
3	Maximum Overall Length	in	351.8
4	Reach with Forks at Ground Level	mm	1213
		in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-79 -3.1
	Reach with Arms Horizontal and Forks Level	mm	1744
6	Reach with Arms Honzontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	<b>.</b>	in mm	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3812 150.1
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
10	Overall height of Fork at Full Lift (top of carnage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm in	2272 89.5
12	Max Discharge Angle from Horizontal	deg	53
	0 0	mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
	overall outnage height	in	44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
40	Outside Tine Width (min annoad)	mm	590
10	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
		in ka	3.5 17800
	Tine Capacity	lbs	39231
	Operating Weight	ka	19374
		lbs	42701
	*Negative values indicate below grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



or hydraulic limit.

Standardization

\*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

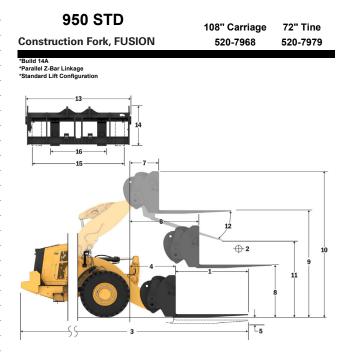
-Payload (SAE J1197)

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

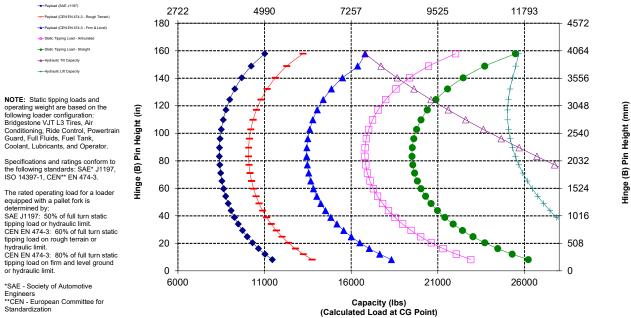
-Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level 

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8849
		lbs	19502 7617
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	16788
	Deted Load (CAE 11107 FOR FICT)	kg	3808
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8394
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4570
	, ,	lbs	10073 6094
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	13430
•	Maximum Quantill Lan atta	mm	9240
3	Maximum Overall Length	in	363.8
4	Reach with Forks at Ground Level	mm	1213
		in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-79 -3.1
-		mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
		in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	· · · · · · · · · · · · · · · · · · ·	in mm	73.9 3812
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
10	everal height of hork at half Lift (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	2029
	•	in	79.9
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
	5	in mm	<u>111.5</u> 1130
14	Overall Carriage Height	in	44.5
45	Quitable Time (Mildth (manual and a)	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine This/mass	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kq	14800
		lbs	32619
	Operating Weight	ka	19436
		lbs	42838
	*Negative values indicate below grade		



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





Standardization

\*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.

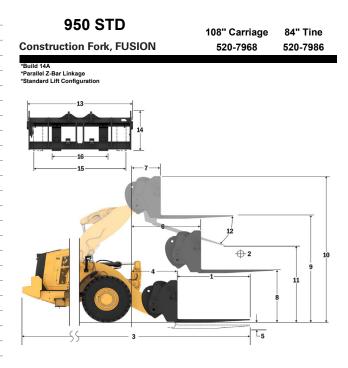
#### **Fork Specifications**

-d-Hydraulic Tilt Cap -----Hydraulic Lift Capacit

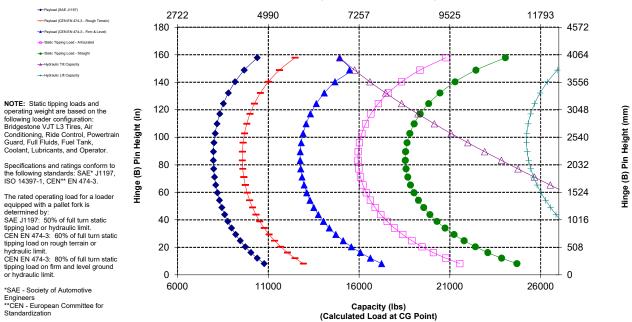
-Payload (CEN EN 474-3 - Rough T

-O-Static Tipping Load - Articulated Static Tipping Load - Straight

	•		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in kg	42.0 8411
	Static Tipping Load - Straight (Forks Level)	lbs	18538
	Static Tipping Load - Articulated (Forks Level)	kg	7231
		lbs kg	15937 3615
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7968
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4338
		lbs kg	9562 5785
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12749
3	Maximum Overall Length	mm	9545
		in mm	375.8 1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
		in mm	<u>-3.1</u> 1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
		in mm	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
40		in mm	150.1 4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm in	1786 70.3
40	May Discharge Angle from Harizantel		53
12	Max Discharge Angle from Horizontal	deg	
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm	1130
-14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm	590
10	Outside Tille Width (Tilli'i spread)	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka Ibs	12700 27991
	Operating Weight	kg	19498
	operating treight	lbs	42974
	*Negative values indicate below grade		



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



or hydraulic limit.

Standardization

\*SAE - Society of Automotive

#### Fork Specifications

-Payload (SAE J1197)

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

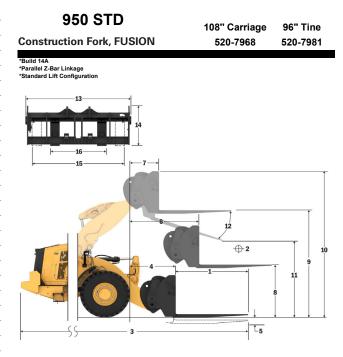
Coolant, Lubricants, and Operator

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

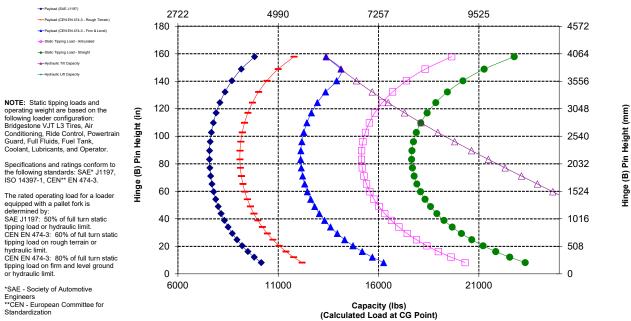
-Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level 

Tine Length Load Center	mm in mm in	2438 96.0 1219
Load Center	mm	1219
	in	10.0
		48.0
Static Tipping Load - Straight (Forks Level)	kg	8004
	lbs kg	<u>17642</u> 6871
Static Tipping Load - Articulated (Forks Level)	lbs	15144
Rated Load (SAF 11197 - 50% FTSTL)	kg	3436
		7572
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)		4123 9087
		5497
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12115
Maximum Overall Length	mm	9849
		387.7
Reach with Forks at Ground Level		1213 47.7
		-79
'Ground to Bottom of Tine at Minimum Height and Fork Level		-3.1
Reach with Arms Horizontal and Forks Level	mm	1744
	in	68.7
Reach with Fork at Maximum Height		1029
		40.5
Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
Ground to Top of Tipe at Maximum Height and Fork Level	mm	3812
Sidding to Top of The at Maximum Height and Fork Level	in	150.1
Overall Height of Fork at Full Lift (top of carriage to ground)		4853
		<u>191.0</u> 1544
Clearance at Full Lift and Max Dump	in	60.8
Max Discharge Angle from Horizontal	deg	53
Overall Carriage Width	mm	2833
		111.5
Overall Carriage Height		1130 44.5
Quitaida Tina Width (may annoad)	mm	2483
Juiside Tille Width (max spread)	in	97.8
Outside Tine Width (min spread)	mm	590
· · · · · ·		23.2
Tine Width (single tine)	in	7.1
Tine Thickness	mm	90.0
	in	3.5
Tine Capacity	kq	11300
	lbs	24905 19561
	ka	19201
Operating Weight	lbs	43113
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         Maximum Overall Length         Reach with Forks at Ground Level         Ground to Bottom of Tine at Minimum Height and Fork Level         Reach with Forks at Ground Level         Reach with Fork at Maximum Height         Ground to Top of Tine with Arms Horizontal and Fork Level         Ground to Top of Tine with Arms Horizontal and Fork Level         Ground to Top of Tine at Maximum Height and Fork Level         Overall Height of Fork at Full Lift (top of carriage to ground)         Clearance at Full Lift and Max Dump         Max Discharge Angle from Horizontal         Overall Carriage Width         Overall Carriage Height         Dutside Tine Width (max spread)         Dutside Tine Width (min spread)         Tine Width (single tine)         Tine Thickness	Rated Load (SAE J1197 - 50% FTSTL)         kg           Bated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)         kg           Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         kg           Maximum Overall Length         mm           Reach with Forks at Ground Level         mm           Ground to Bottom of Tine at Minimum Height and Fork Level         in           Reach with Fork at Maximum Height         mm           Ground to Dop of Tine with Arms Horizontal and Fork Level         in           Ground to Top of Tine at Maximum Height and Fork Level         mm           Ground to Top of Tine with Arms Horizontal and Fork Level         mm           Ground to Top of Tine with Arms Horizontal and Fork Level         mm           Ground to Top of Tine at Maximum Height and Fork Level         mm           Ground to Top of Tine at Maximum Height and Fork Level         mm           Max Discharge Angle from Horizontal         deg           Overall Learriage Width         in           Max Discharge Angle from Horizontal         deg           Overall Carriage Height         in           Dutside Tine Width (min spread)         in           in         in           Dutside Tine Width (min spread)         in           in         in           Dutside Tine Width (m



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



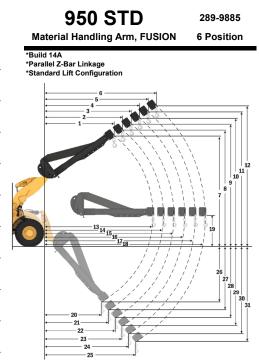
Standardization

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

## **950 Wheel Loader Specifications**

## **Material Handling Arm Specifications**

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



Retracted

Extension 1

-Extension 2

-Extension 3

-Extension 4

-Extended

-Extended

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

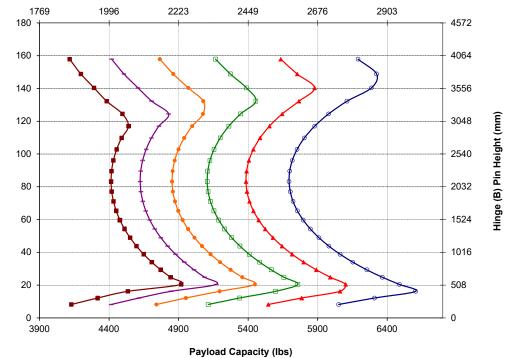
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1 Hinge (B) Pin Height (in)

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

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

\*SAE - Society of Automotive Engineers

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



(Calculated Load at CG Point)

#### **Fork Specifications**

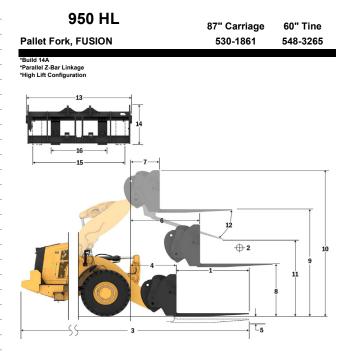
-Payload (CEN EN 474-3 - Rough Te

Static Tipping Load - Straight -----Hydraulic Lift Capacit

Coolant, Lubricants, and Operator.

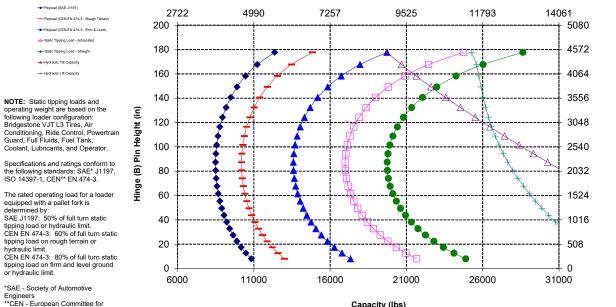
-O-Static Tipping Load - Articulated

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	8954 19734
		lbs kg	7704
	Static Tipping Load - Articulated (Forks Level)	lbs	16980
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3852
		lbs	8490
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4623 10188
		kg	6163
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13584
3	Maximum Overall Length	mm	9448
		in	372.0
4	Reach with Forks at Ground Level	mm in	1697 66.8
		mm	-164
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-6.5
6	Reach with Arms Horizontal and Forks Level	mm	2127
		in	83.7
7	Reach with Fork at Maximum Height	mm	1072 42.2
	· · · · · · · · · · · · · · · · · · ·	in mm	1772
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4212
		in	165.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4987 196.3
		in mm	2887
11	Clearance at Full Lift and Max Dump	in	113.6
12	Max Discharge Angle from Horizontal	deg	44
	max Bioonaligo / algio non rionzonial	0	
13	Overall Carriage Width	mm in	2217 87.3
	Quantum Quantum I lainta	mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in	81.5 470
16	Outside Tine Width (min spread)	mm in	470
	Tine Milith (simple tine)	mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	ka Ibs	6300 13885
	Operating Weight	ka	19611
	Operating Weight	lbs	43222
	*Negative values indicate below grade		
	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		



Hinge (B) Pin Height (mm)

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



Capacity (Ibs) (Calculated Load at CG Point)



or hydraulic limit.

Standardization

\*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

-Payload (SAE J1197)

-Payload (CEN EN 474-3 - Rough Ter

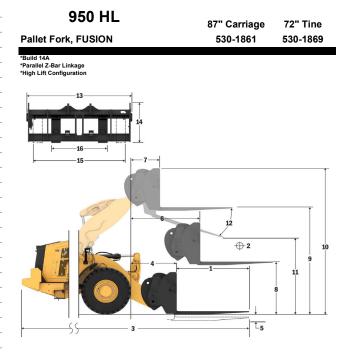
Static Tipping Load - Straight -Hydraulic Tilt Capacity + Hydraulic Lift Capacity

Coolant, Lubricants, and Operator

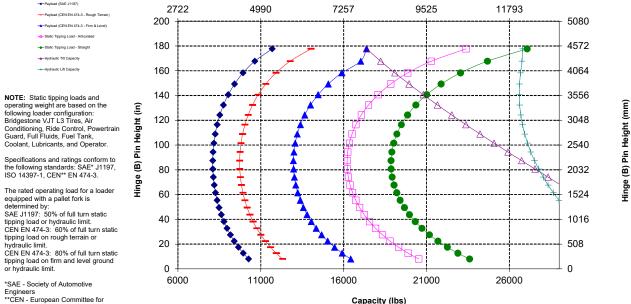
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for

Pavload (CEN EN 474-3 - Firm & Level 

1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8553 18851
	Static Tipping Load - Articulated (Forks Level)	kg	7353
	11 0 ( )	lbs kg	16206 3677
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8103
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4412
	,	lbs	9724
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	5883 12965
3	Maximum Overall Length	mm	9754
		in	384.0
4	Reach with Forks at Ground Level	mm in	1697 66.8
		mm	-164
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-6.5
6	Reach with Arms Horizontal and Forks Level	mm	2127
		in	83.7
7	Reach with Fork at Maximum Height	mm in	1072 42.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
	Glound to Top of The with Arms Honzontal and Fork Level	in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4212 165.8
40	Oversell Using the first of Fault of Fault of the set of sections to provide the	mm	4987
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	196.3
11	Clearance at Full Lift and Max Dump	mm	2675
	•	in	105.3
12	Max Discharge Angle from Horizontal	deg	44
13	Overall Carriage Width	mm	2217
	5	in mm	87.3 840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
-15		in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
		mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
	<b>T</b> 0 1	in kg	2.6 5246
	Tine Capacity	lbs	11562
	Operating Weight	kq	19658
		lbs	43326
	*Negative values indicate below grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

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

#### Fork Specifications

-Payload (SAE J1197)

-Payload (CEN EN 474-3 - Rough Ter

Static Tipping Load - Straight Hydraulic Tilt Capacity

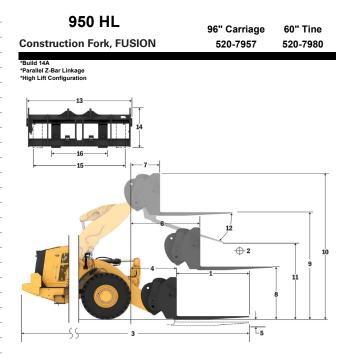
+ Hydraulic Lift Capacity

Coolant, Lubricants, and Operator

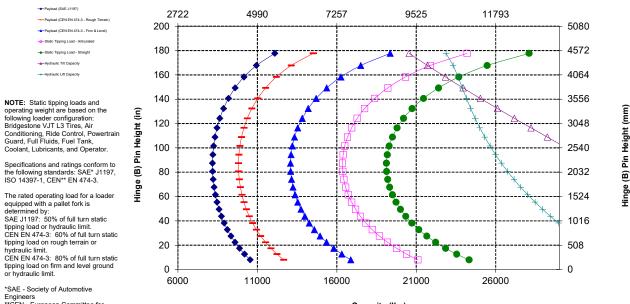
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for

Pavload (CEN EN 474-3 - Firm & Level 

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8672 19114
	Otatio Timeira I and Articulated (Forder Laure))	kg	7420
	Static Tipping Load - Articulated (Forks Level)	lbs	16353
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3710
		lbs ka	8177 4452
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9812
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5936
	Rated Load (CEIN EN 474-3 FIIII and Level Ground - 60% F131L)	lbs	13083
3	Maximum Overall Length	mm	9408
	Ū	in mm	370.4 1657
4	Reach with Forks at Ground Level	in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
- 5		in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
		in mm	83.4
7	Reach with Fork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	Glound to Top of The with Arms Honzontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4318
		in mm	170.0 5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
11	Clearance at Full Lift and Max Dump	mm	2826
	Clearance at 1 di Ein and Max Dump	in	111.3
12	Max Discharge Angle from Horizontal	deg	50
40	Quereall Querris and Milith	mm	2528
13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	5 5	in mm	44.5 2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
10		in	22.7
	Tine Width (single tine)	mm	180.0
	( )	in mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17800
	The Capacity	lbs	39231
	Operating Weight	ka	19986
		lbs	44049
	*Negative values indicate below grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

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

#### **Fork Specifications**

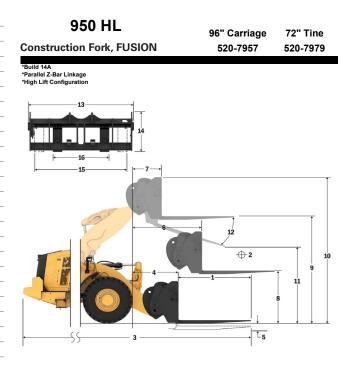
-Payload (CEN EN 474-3 - Rough Te

Static Tipping Load - Straight -d-Hydraulic Tilt Cap -----Hydraulic Lift Capacit

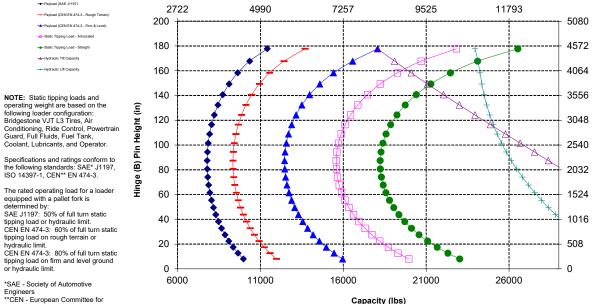
Coolant, Lubricants, and Operator.

-O-Static Tipping Load - Articulated

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
		in ka	36.0 8266
	Static Tipping Load - Straight (Forks Level)	lbs	18218
	Static Tipping Load - Articulated (Forks Level)	kg	7063
		lbs kg	15566 3531
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7783
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4238
	( <b>G</b> )	lbs kg	9340 5650
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12453
3	Maximum Overall Length	mm	9713
		in	382.4
4	Reach with Forks at Ground Level	mm in	1657 65.2
-	*Cround to Bottom of Ting at Minimum Height and Fark Loval	mm	-83
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
		in mm	83.4
7	Reach with Fork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
		in mm	73.9 4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5358
		in	210.9
11	Clearance at Full Lift and Max Dump	mm in	2592 102.1
12	Max Discharge Angle from Horizontal	deg	50
	Max Discharge Angle north Horizontal	0	2528
13	Overall Carriage Width	mm in	2526
14	Overall Carriage Height	mm	1130
-14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
40	Outside Time (M/idth (min sums al)	mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
	<b>T T</b>	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	ka	14800
		lbs ka	32619 20047
	Operating Weight	lbs	44183
	*Negative values indicate below grade		
	regatio ralace maleate belott grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



or hydraulic limit.

Standardization

\*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.

(B) Pin Height (mm)

Hinge (

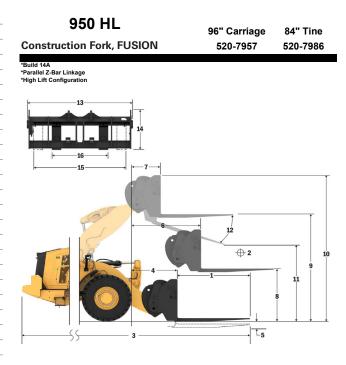
#### **Fork Specifications**

-Payload (CEN EN 474-3 - Rough Te

-O-Static Tipping Load - Articulated

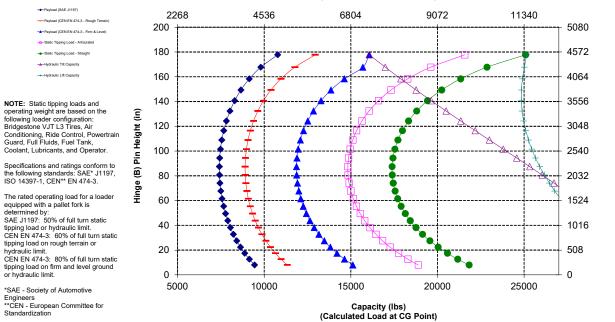
Static Tipping Load - Straight -d-Hydraulic Tilt Cap -----Hydraulic Lift Capacit

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
_		in ka	42.0 7884
	Static Tipping Load - Straight (Forks Level)	lbs	17376
	Static Tipping Load - Articulated (Forks Level)	kg	6726
		lbs kg	14825 3363
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7413
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4036
	, , ,	lbs	8895 5381
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	11860
3	Maximum Overall Length	mm	10018
		in	394.4
4	Reach with Forks at Ground Level	mm in	1657 65.2
-	*One we date Detterme of Time at Minimum Unight and Facility and	mm	-83
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
		in mm	83.4
7	Reach with Fork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
		in mm	73.9 4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5358
		in	210.9
11	Clearance at Full Lift and Max Dump	mm in	2358 92.8
12	Max Discharge Angle from Horizontal	deg	50
	5 0	0	2528
13	Overall Carriage Width	mm in	2526 99.5
14	Overall Carriage Height	mm	1130
	overall Gamage Height	in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
40	Outside Tine Width (min spread)	mm	576
10	Outside Tille Width (fillin spread)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
	The Thislesse	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kq	12700
		lbs ka	27991 20110
	Operating Weight	lbs	44322
	*Negative values indicate below grade		



Hinge (B) Pin Height (mm)

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



or hydraulic limit.

Standardization

\*SAE - Society of Automotive

#### Fork Specifications

-Payload (SAE J1197)

-Payload (CEN EN 474-3 - Rough Ter

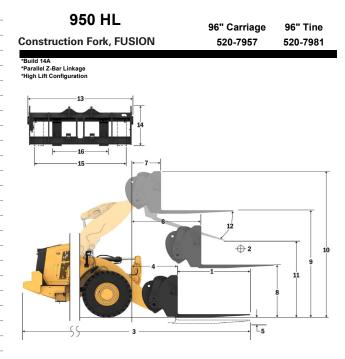
Static Tipping Load - Straight -Hydraulic Tilt Capacity + Hydraulic Lift Capacity

Coolant, Lubricants, and Operator

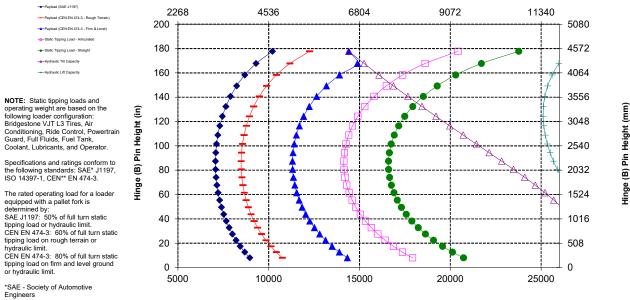
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for

Pavload (CEN EN 474-3 - Firm & Level 

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_	2000 001101	in	48.0 7528
	Static Tipping Load - Straight (Forks Level)	kg Ibs	16592
	Static Tipping Load - Articulated (Forks Level)	kg	6412
		lbs kg	14133 3206
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7067
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	3847 8480
		kg	5130
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	11306
3	Maximum Overall Length	mm	10322
		in mm	406.4 1657
4	Reach with Forks at Ground Level	in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
	•	in mm	-3.3 2119
6	Reach with Arms Horizontal and Forks Level	in	83.4
7	Reach with Fork at Maximum Height	mm	1064
	5	in	41.9 1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4318
		in	170.0 5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	210.9
11	Clearance at Full Lift and Max Dump	mm	2125
		in	83.7
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2528
	5	in mm	99.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
		in mm	85.7 576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg	11300
		lbs	24905
	Operating Weight	ka Ibs	20172 44459
	*Negative values indicate below grade	100	1400
	Hogalito talaco indicato bolon giduo		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

#### **Fork Specifications**

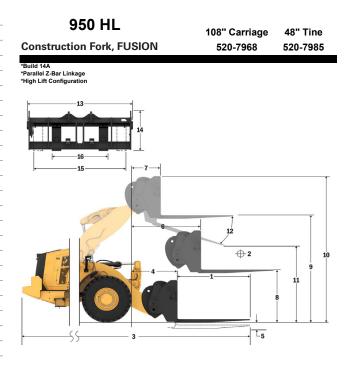
-Payload (CEN EN 474-3 - Rough Te

Static Tipping Load - Straight -d-Hydraulic Tilt Cap -----Hydraulic Lift Capacit

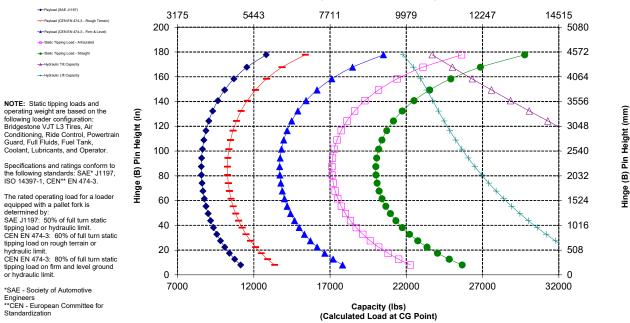
Coolant, Lubricants, and Operator.

-O-Static Tipping Load - Articulated

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
		in ka	24.0 9070
	Static Tipping Load - Straight (Forks Level)	lbs	19991
	Static Tipping Load - Articulated (Forks Level)	kg	7765
		lbs kg	<u>17114</u> 3882
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8557
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4659
	, ,	lbs kg	10268 6212
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13691
3	Maximum Overall Length	mm	9103
	•	in mm	358.4 1657
4	Reach with Forks at Ground Level	in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
_		in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm in	2119 83.4
7	Reach with Fork at Maximum Height	mm	1064
	Reach with ork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1877 73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4318
	Ground to Top of The at Maximum Height and Fork Level	in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5358 210.9
11	Clearance at Full Lift and Max Dump	mm	3060
	Clearance at Full Lift and Max Dump	in	120.5
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2833
		in mm	<u>111.5</u> 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2493
		in	98.1 590
16	Outside Tine Width (min spread)	mm in	23.2
	Tine Width (single tine)	mm	180.0
	The trial (ongle and)	in	7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg	22200
		lbs	48929
	Operating Weight	ka Ibs	19973 44020
	*Negative values indicate below grade	103	44020
	regauve values illuicate below grade		



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



or hydraulic limit.

Standardization

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

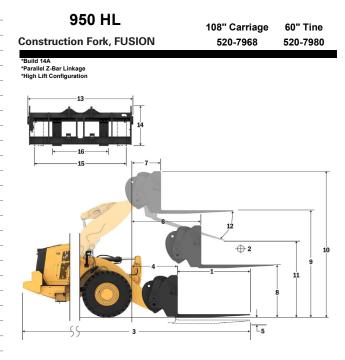
#### Fork Specifications

-Payload (SAE J1197)

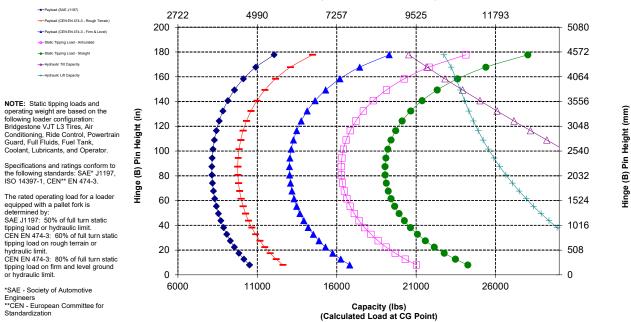
-Payload (CEN EN 474-3 - Rough Te

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
_		in kg	30.0 8636
	Static Tipping Load - Straight (Forks Level)	lbs	19033
	Static Tipping Load - Articulated (Forks Level)	kg	7383
		lbs kg	16273 3692
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8137
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4430
	,	lbs	9764 5907
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	13018
3	Maximum Overall Length	mm	9408
		in	370.4
4	Reach with Forks at Ground Level	mm in	1657 65.2
-	*One we date Detterne of Time at Minimum Unight and Facility and	mm	-83
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
		in mm	83.4
7	Reach with Fork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	•	in mm	73.9 4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5358
	ororan rioign of ronn arr an 2n (op of cantago to ground)	in	210.9
11	Clearance at Full Lift and Max Dump	mm in	2826 111.3
12	Max Discharge Angle from Horizontal	deg	50
	Max Discharge Angle from Honzontal		
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm	1130
-14	Overall Carnage Height	in	44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
40	Quitabile Time (M/14th /min anne d)	mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	ka	17800
		lbs	39231 20035
	Operating Weight	ka Ibs	20035 44157
	*Negative values indicate below grade		
	nogati o ratao inalata bolon giduo		



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



Standardization

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#### **Fork Specifications**

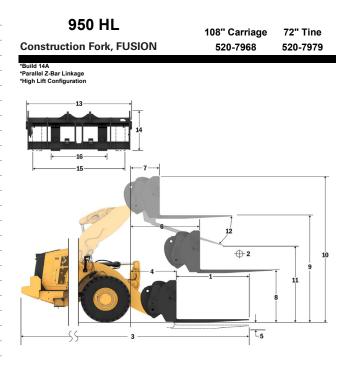
-Payload (CEN EN 474-3 - Rough Te

Static Tipping Load - Straight -----Hydraulic Lift Capacit

Coolant, Lubricants, and Operator.

-O-Static Tipping Load - Articulated

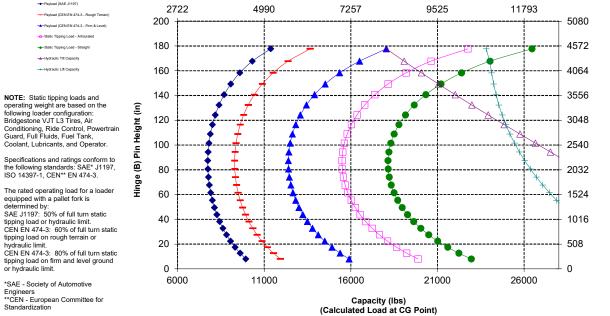
	•		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Genter	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	8230
		lbs kg	18139 7027
	Static Tipping Load - Articulated (Forks Level)	lbs	15487
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3513
	Raled Load (SRE 31197 - 50 % F131L)	lbs	7743
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4216
	,	lbs	9292 5621
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	12389
_		mm	9713
3	Maximum Overall Length	in	382.4
4	Reach with Forks at Ground Level	mm	1657
		in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
	<del>_</del>	in mm	<u>-3.3</u> 2119
6	Reach with Arms Horizontal and Forks Level	in	83.4
-	Development Frederic Manifestory Height	mm	1064
7	Reach with Fork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
		in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4318 170.0
		mm	5358
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.9
11	Clearance at Full Lift and Max Dump	mm	2592
	Clearance at Full Lint and Max Durip	in	102.1
12	Max Discharge Angle from Horizontal	deg	50
	0 0	mm	2833
13	Overall Carriage Width	in	111.5
	Quarrall Quarrie and Ulainet	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
		mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka	14800
		lbs	32619
	Operating Weight	kq Ibs	20097 44293
	AND 10 1 1 1 1 1 1 1	IDS	44233
	*Negative values indicate below grade		



(B) Pin Height (mm)

Hinge (

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





or hydraulic limit.

Standardization

\*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

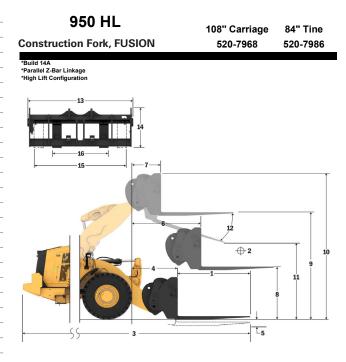
-Payload (SAE J1197)

-Payload (CEN EN 474-3 - Rough Ter

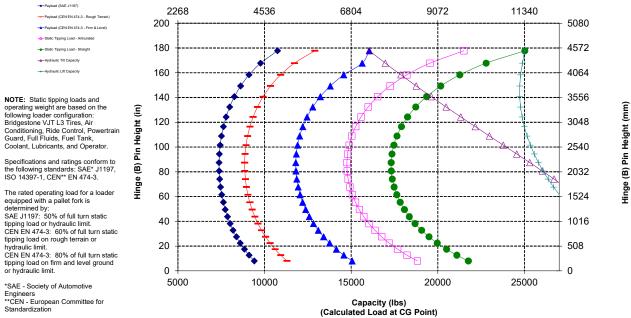
Static Tipping Load - Straight -Hydraulic Tilt Capacity + Hydraulic Lift Capacity

Pavload (CEN EN 474-3 - Firm & Level 

	•		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Genter	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	7850 17302
	Static Tipping Load - Articulated (Forks Level)	kg	6693
		lbs kg	14751 3346
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7375
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4016
		lbs kg	8850 5354
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	11801
3	Maximum Overall Length	mm	10018
	,	in	394.4 1657
4	Reach with Forks at Ground Level	mm in	65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
		in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm in	2119 83.4
7	Reach with Fork at Maximum Height	mm	1064
	Reach with Fork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_		in mm	73.9 4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5358
		in mm	210.9 2358
11	Clearance at Full Lift and Max Dump	in	92.8
12	Max Discharge Angle from Horizontal	deg	50
40	Occase II Occasione Militate	mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in mm	23.2
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in kg	3.5
	Tine Capacity	lbs	27991
	Operating Weight	kg	20159
	oporating troight	lbs	44430
	*Negative values indicate below grade		



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





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

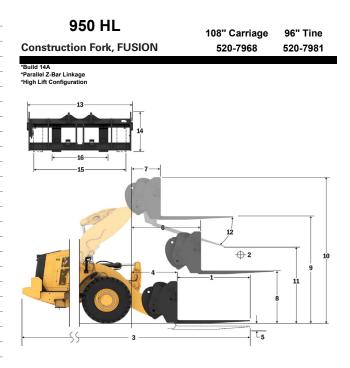
#### **Fork Specifications**

-Payload (CEN EN 474-3 - Rough Te

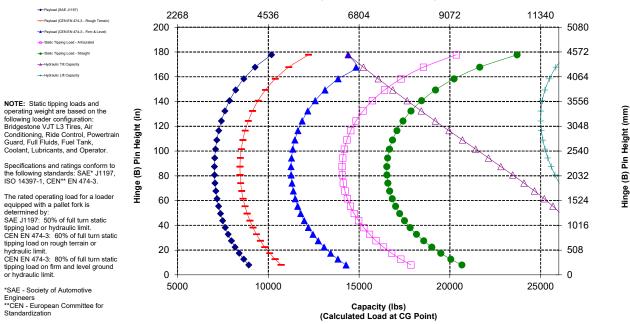
Static Tipping Load - Straight -----Hydraulic Lift Capacit

-O-Static Tipping Load - Articulated

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_		in ka	48.0 7495
	Static Tipping Load - Straight (Forks Level)	lbs	16518
	Static Tipping Load - Articulated (Forks Level)	kg	6379
		lbs kg	14059 3190
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7030
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	3827
	,	lbs	8436 5103
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	11248
3	Maximum Overall Length	mm	10322
	Maximum Overall Lengin	in	406.4
4	Reach with Forks at Ground Level	mm in	1657 65.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
5	Ground to Bottom of Time at Minimum Height and Fork Level	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	2119
		in mm	83.4
7	Reach with Fork at Maximum Height	in	41.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	· · · · · · · · · · · · · · · · · · ·	in mm	73.9 4318
9	Ground to Top of Tine at Maximum Height and Fork Level	in	170.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5358
		in mm	210.9 2125
11	Clearance at Full Lift and Max Dump	in	83.7
12	Max Discharge Angle from Horizontal	deg	50
	5 0	mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka Ibs	11300 24905
	On section a Weight	ka	24903
	Operating Weight	lbs	44569
	*Negative values indicate below grade		
	-		



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



or hydraulic limit.

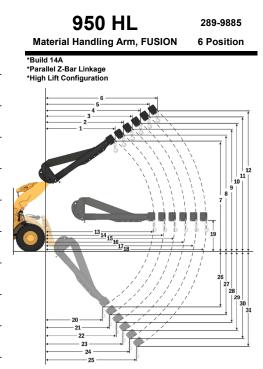
Standardization

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## **950 Wheel Loader Specifications**

### **Material Handling Arm Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
	mm	2,445	2,594	2,743	2,892	3,041	3,189
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	8' 0"	8' 6"	8' 11"	9' 5"	9' 11"	10' 5"
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	mm	7,283	7,549	7,815	8,081	8,347	8,613
VIAX LIII - HOOK EYEIEL HEIGIIL (7, 6, 9, 10, 11, 12)	ft, in	23' 10"	24' 9"	25' 7"	26' 6"	27' 4"	28' 3"
	mm	4,985	5,290	5,595	5,900	6,204	6,509
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	16' 4"	17' 4"	18' 4"	19' 4"	20' 4"	21' 4"
Level - Hook Eyelet Height (19)	mm	1,842	1,842	1,842	1,842	1,842	1,842
	ft, in	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"
	mm	2,812	2,987	3,161	3,336	3,510	3,685
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	9' 2"	9' 9"	10' 4"	10' 11"	11' 6"	12' 1"
	mm	(2,638)	(2,888)	(3,138)	(3,388)	(3,638)	(3,888
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-8' 4"	-9' 6"	-10' 8"	-11' 10"	-11' 0"	-12' 2"
Otofic Timping Lond Otoricht	kg	5,788	5,492	5,224	4,980	4,758	4,553
Static Tipping Load, Straight	lb	12,756	12,104	11,514	10,977	10,486	10,036
	kg	4,993	4,737	4,505	4,294	4,102	3,925
Static Tipping Load, Articulated		11,006	10,441	9,930	9,465	9,040	8,650
	kg	19,369	19,369	19,369	19,369	19,369	19,369
Operating Weight		42.689	42.689	42,689	42.689	42.689	42.689



#### Retracted

-Extension 2

-Extension 3

-Extension 4

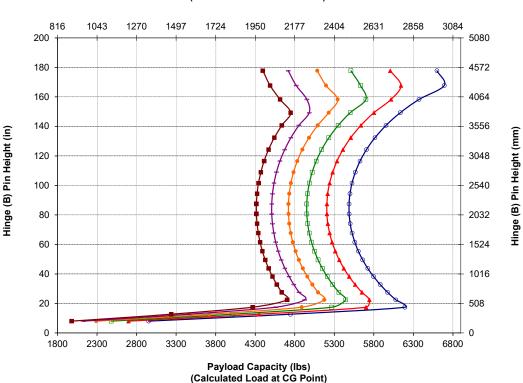
---Extended

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

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

The rated operating load for a loader equipped with a material handling arm is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit.

\*SAE - Society of Automotive Engineers



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

#### Fork Specifications

-Payload (SAE J1197)

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

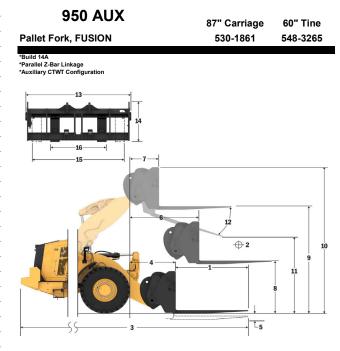
Coolant, Lubricants, and Operator

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

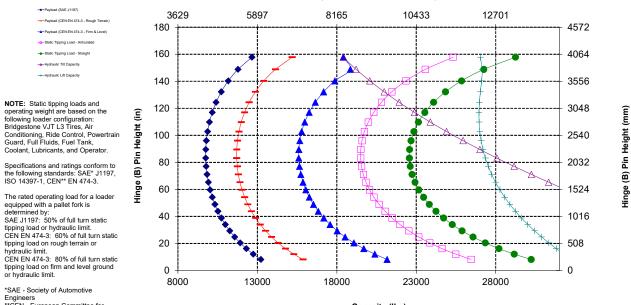
-Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level Static Tipping Load - Straight

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
4		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	10234 22556
		kg	8847
	Static Tipping Load - Articulated (Forks Level)	lbs	19498
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4423
	. ,	lbs kg	9749 5308
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11699
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7077
		lbs	15598
3	Maximum Overall Length	mm in	9009 354.7
	Presely with Farlie at Oracin d Laural	mm	1258
4	Reach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-160
		in	-6.3
6	Reach with Arms Horizontal and Forks Level	mm in	1752 69.0
7	Reach with Fork at Maximum Height	mm	1037
<u> </u>	Reach with Fork at Maximum Height	in	40.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
-	· · · · · · · · · · · · · · · · · · ·	in mm	69.7 3707
9	Ground to Top of Tine at Maximum Height and Fork Level	in	145.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4482
	oronali molgin on annar all zin (top or barnago to ground)	in	176.4
11	Clearance at Full Lift and Max Dump	mm in	2327 91.6
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	2217
		in	87.3
14	Overall Carriage Height	mm in	840 33.1
45	Outside Tine Width (may append)	mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470 18.5
		in mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	ka Ibs	6300 13885
	On southing Weight	ka	19360
	Operating Weight	lbs	42670
	*Negative values indicate below grade		
	-		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

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

#### Fork Specifications

-Payload (SAE J1197)

-Hydraulic Tilt Capacity + Hydraulic Lift Capacity

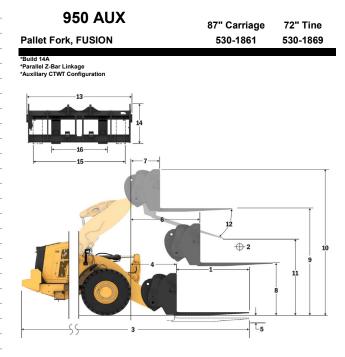
Coolant, Lubricants, and Operator

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

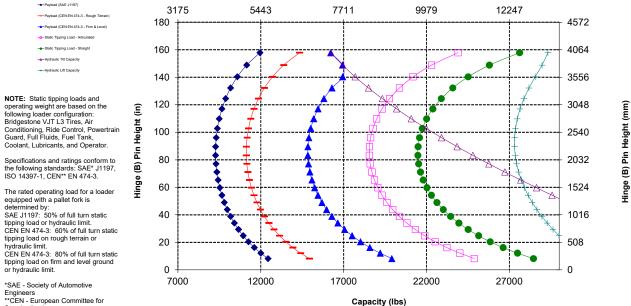
---- Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level Static Tipping Load - Straight

1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Edad Gentel	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9741
	11 0 0 ( )	lbs	21470 8414
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	18545
	Deted Load (CAE 11107 E0% ETCTL)	kg	4207
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9273
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5049
	······································	lbs	11127
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	6732 14836
-		mm	9315
3	Maximum Overall Length	in	366.7
4	Reach with Forks at Ground Level	mm	1258
		in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-160
		in mm	-6.3 1752
6	Reach with Arms Horizontal and Forks Level	in	69.0
7	Reach with Fork at Maximum Height	mm	1037
	Reach with Fork at Maximum Height	in	40.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
		in	69.7 3707
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	145.9
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4482
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	176.4
11	Clearance at Full Lift and Max Dump	mm	2105
		in	82.9
12	Max Discharge Angle from Horizontal	deg	47
- 10		mm	2217
13	Overall Carriage Width	in	87.3
14	Overall Carriage Height	mm	840
	oreran ournage riegn	in	33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
		mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
		in	5.9
	Tine Thickness	mm	65.0
		in kg	2.6 5246
	Tine Capacity	lbs	11562
	Operating Weight	kg	19407
		lbs	42774
	*Negative values indicate below grade		
	5 5		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

#### Fork Specifications

-Payload (SAE J1197)

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

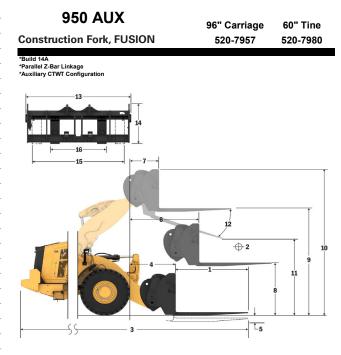
Coolant, Lubricants, and Operator

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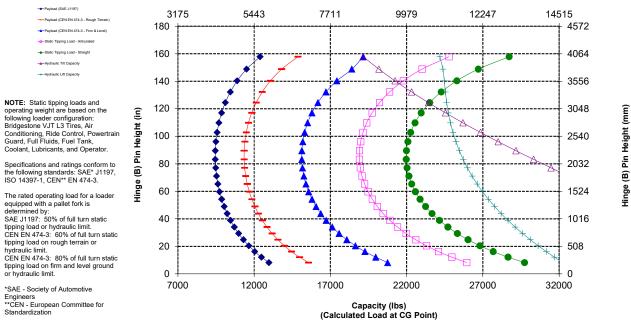
-Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level 

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
-		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	9966 21966
	Otatia Timping Land Articulated (Feder Laws))	kg	8575
	Static Tipping Load - Articulated (Forks Level)	lbs	18899
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4287 9450
		kg	5145
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11340
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6860
	,	lbs mm	15119 8964
3	Maximum Overall Length	in	352.9
4	Reach with Forks at Ground Level	mm	1213
-	Reach with Forks at Glound Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
•		in mm	<u>-3.1</u> 1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
	-	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1877 73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
	Ground to rop of this at maximum freight and fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4853 191.0
	Oleanan at Full I than I May During	mm	2272
11	Clearance at Full Lift and Max Dump	in	89.5
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2528
		in	99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (may aproad)	mm	2178
10	Outside Tine 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
		in ka	3.5 17800
	Tine Capacity	lbs	39231
	Operating Weight	kq	19735
	operating weight	lbs	43497
	*Negative values indicate below grade		



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



Standardization

#### Fork Specifications

-Payload (SAE J1197)

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

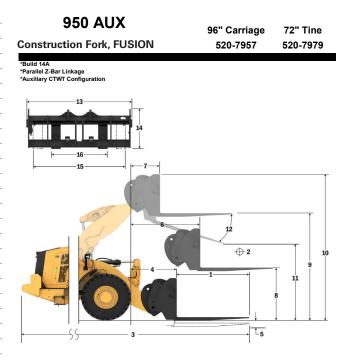
Coolant, Lubricants, and Operator

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

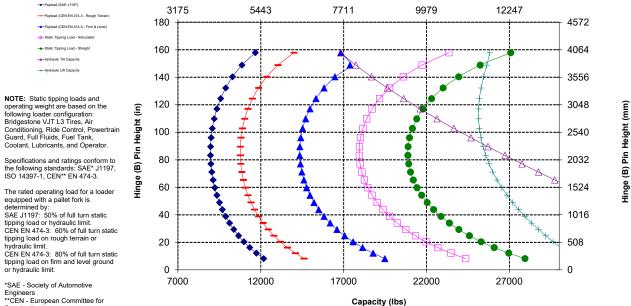
-Payload (CEN EN 474-3 - Rough Ter

Pavload (CEN EN 474-3 - Firm & Level 

	•		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	9468 20867
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	8137 17934
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4068
	Rated Load (SRE 51197 - 50 % FISTE)	lbs	8967
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4882 10760
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6510
	Rated Load (CEN EN 474-3 Firm and Level Glound - 80 % F131E)	lbs	14347
3	Maximum Overall Length	mm in	9269 364.9
	Reach with Forks at Ground Level	mm	1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
		in mm	<u>-3.1</u> 1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
<u> </u>	rioden mari en ac maximan rioign	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1877 73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
	Ground to Top of The at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4853 191.0
11	Clearance at Full Lift and Max Dump	mm	2029
		in	79.9
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2528
	5	in mm	99.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2178
-15		in	85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg	14800
		lbs	32619
	Operating Weight	ka Ibs	19796 43631
	*Negative values indicate below grade	103	40001
	Hoganito valaco indicate below grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

#### Fork Specifications

-Payload (SAE J1197)

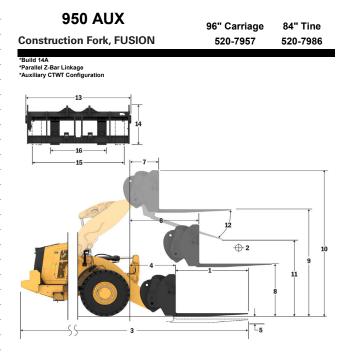
 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

Coolant, Lubricants, and Operator

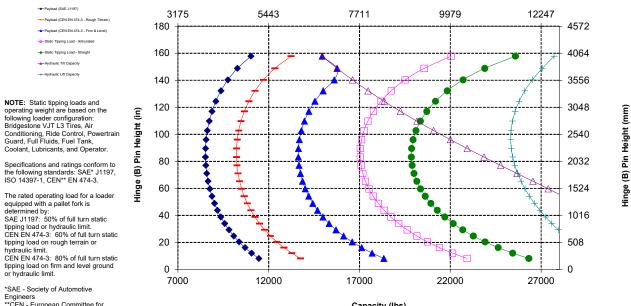
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for

-Payload (CEN EN 474-3 - Rough Ter

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
2	Load Genter	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	9004 19845
		lbs kg	7729
	Static Tipping Load - Articulated (Forks Level)	lbs	17034
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3864
	· · · · · ·	lbs	8517
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4637 10220
	Detection and (OEN EN 474.2 First and Laural Oracinal 2006 ETOTIA)	kg	6183
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13627
3	Maximum Overall Length	mm	9574
-		in	376.9
4	Reach with Forks at Ground Level	mm in	1213 47.7
~	*One was to Bettern of Time at Minimum Unight and Fash Lavel	mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
·		in	68.7
7	Reach with Fork at Maximum Height	mm in	1029 40.5
•		mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
		in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4853 191.0
		mm	1786
11	Clearance at Full Lift and Max Dump	in	70.3
12	Max Discharge Angle from Horizontal	deg	53
40	Quantum Quantum Milith	mm	2528
13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	5 0	in mm	44.5 2178
15	Outside Tine Width (max spread)	in	85.7
40	Outside Tine Width (min spread)	mm	576
10	Outside Tine Width (min 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
		lbs	27991
	Operating Weight	ka	19859
		lbs	43770
	*Negative values indicate below grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

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

#### Fork Specifications

-Payload (SAE J1197)

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

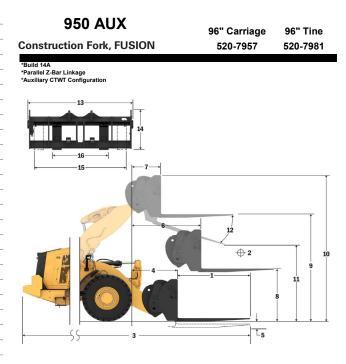
Coolant, Lubricants, and Operator

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

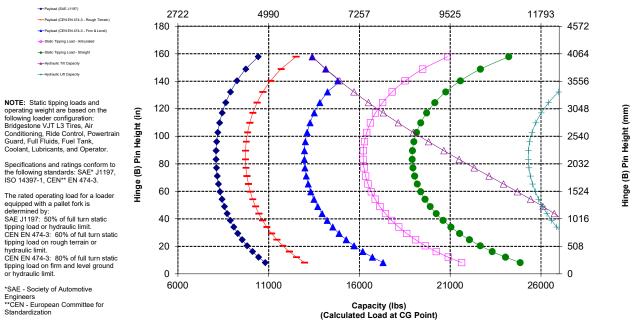
-Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level 

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8575 18899
	Static Tipping Load - Articulated (Forks Level)	kg	7351
		lbs kg	16201 3675
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8100
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4410 9720
		kg	5880
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12960
3	Maximum Overall Length	mm	9878
	5	in	388.9 1213
4	Reach with Forks at Ground Level	mm in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
- 5	Glound to Bottom of The at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in mm	68.7 1029
7	Reach with Fork at Maximum Height	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
		in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3812 150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
	oronan noight of ronn at rain Ent (top of barnage to groana)	in	191.0
11	Clearance at Full Lift and Max Dump	mm in	1544 60.8
12	Max Discharge Angle from Horizontal	deg	53
		mm	2528
13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	oronali carnago riolgin	in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
40	Outside Tine Width (min enreed)	mm	576
10	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	11300
		lbs ka	24905
	Operating Weight	lbs	43907
	*Negative values indicate below grade		



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





Standardization

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

#### Fork Specifications

-Payload (SAE J1197)

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

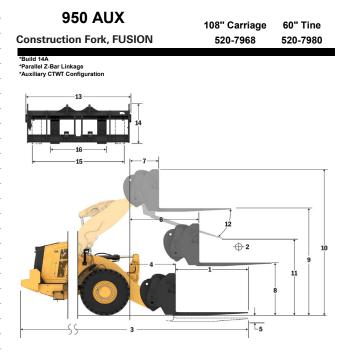
Coolant, Lubricants, and Operator

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

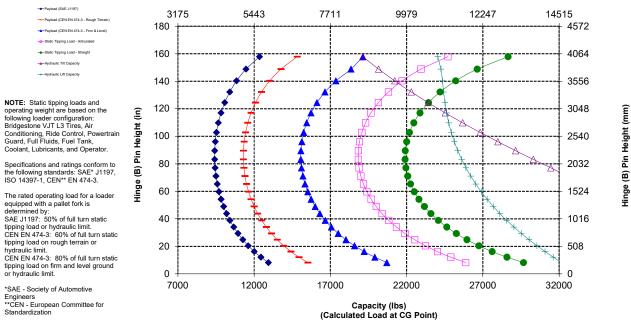
-Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level 

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
-		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	9931 21888
	Otatia Tinaina I and Articulated (Forder Laure)	kg	8540
	Static Tipping Load - Articulated (Forks Level)	lbs	18822
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4270 9411
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5124
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11293
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6832
-	· · · · · · · · · · · · · · · · · · ·	lbs mm	15058 8964
3	Maximum Overall Length	in	352.9
4	Reach with Forks at Ground Level	mm	1213
-		in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-79 -3.1
~	Reach with Arms Horizontal and Forks Level	mm	1744
6	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
		in mm	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
3	Ground to Top of The at Maximum Height and Tork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853 191.0
		in mm	2272
11	Clearance at Full Lift and Max Dump	in	89.5
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
	oronan ounhago frian	in	111.5
14	Overall Carriage Height	mm in	1130 44.5
45	Outside Tine Width (may annod)	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
		mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in ka	3.5 17800
	Tine Capacity	lbs	39231
	Operating Weight	kg	19784
		lbs	43605
	*Negative values indicate below grade		



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



Standardization

#### Fork Specifications

-Payload (SAE J1197)

 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

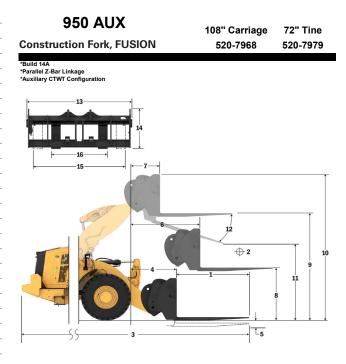
Coolant, Lubricants, and Operator

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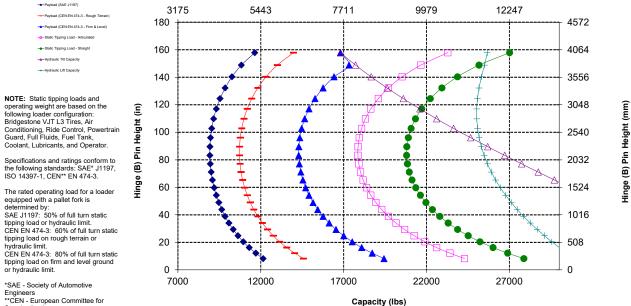
-Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level 

	•		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Edd Conto	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	9433 20790
	Static Tipping Load - Articulated (Forks Level)	kg	8102
	Static Tipping Load - Anticulated (Torks Lever)	lbs	17858
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4051 8929
		ka	4861
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10715
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6482
		lbs	14286 9269
3	Maximum Overall Length	mm in	364.9
-	Reach with Forks at Ground Level	mm	1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
		in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm in	1744 68.7
-	Design with Fault at Maximum Hainkt	mm	1029
7	Reach with Fork at Maximum Height	in	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
		in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3812 150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4853
10	Overall Height of Fork at Full Lift (top of carnage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	2029
		in	79.9
12	Max Discharge Angle from Horizontal	deg	53
12	Overall Carriage Width	mm	2833
-15	overall carriage width	in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
		mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kq	14800
		lbs	32619
	Operating Weight	ka Ibs	19846 43741
	*Negative values indicate below grade	103	-01-1
	*Negative values indicate below grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

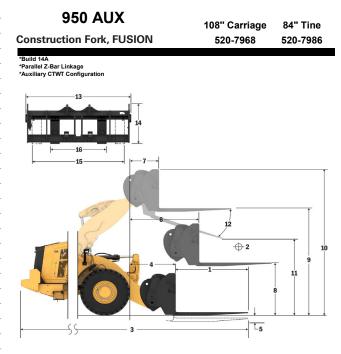
#### Fork Specifications

-Payload (SAE J1197)

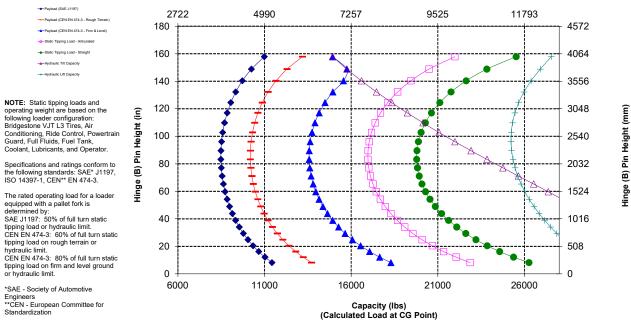
 Hydraulic Tilt Capacity + Hydraulic Lift Capacity

-Payload (CEN EN 474-3 - Rough Ter

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
4		in	42.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8972 19774
	Statia Tinning Load Articulated (Farks Loual)	kg	7696
	Static Tipping Load - Articulated (Forks Level)	lbs	16963
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3848 8482
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4618
	Rated Load (CEN EN 474-3 Rough Terrain - 00% F131E)	lbs	10178
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6157
•	Maximum Quantle an eth	lbs mm	<u>13570</u> 9574
3	Maximum Overall Length	in	376.9
4	Reach with Forks at Ground Level	mm	1213
		in mm	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-79
6	Reach with Arms Horizontal and Forks Level	mm	1744
0	Neach with Arms HUILDING and FUINS LEVEL	in	68.7
7	Reach with Fork at Maximum Height	mm	1029 40.5
•	One would be Tang of Ting with Annual University and East 1	in mm	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
		in mm	150.1 4853
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	191.0
11	Clearance at Full Lift and Max Dump	mm	1786
• •	oloaranoo arr an circuira max bump	in	70.3
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
	5	in mm	<u>111.5</u> 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
13	ouside fine wider (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0 3.5
	<b>T</b> 0 1	in ka	3.5
	Tine Capacity	lbs	27991
	Operating Weight	kq	19908
	-r	lbs	43878
	*Negative values indicate below grade		



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



Standardization

\*SAE - Society of Automotive

#### Fork Specifications

-Payload (SAE J1197)

-Hydraulic Tilt Capacity + Hydraulic Lift Capacity

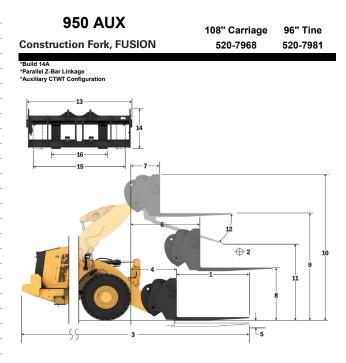
Coolant, Lubricants, and Operator

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

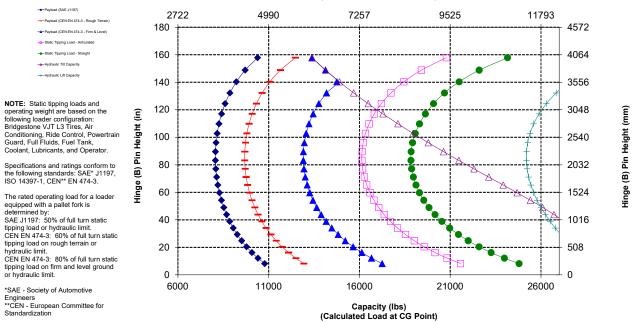
---- Payload (CEN EN 474-3 - Rough Te

Pavload (CEN EN 474-3 - Firm & Level Static Tipping Load - Straight

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Genter	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8543 18829
	Static Tipping Load - Articulated (Forks Level)	kg	7319
	Static Tipping Load - Anticulated (TORS Level)	lbs	16131
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3659 8065
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4391
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9678
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5855
		lbs mm	12904 9878
3	Maximum Overall Length	in	388.9
4	Reach with Forks at Ground Level	mm	1213
<u> </u>		in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-79 -3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
	Reach with Arms Horizontal and Forks Level	in	68.7
7	Reach with Fork at Maximum Height	mm	1029
		in mm	40.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3812
	Ground to rop of this at Maximum Height and Font Eever	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4853 191.0
		mm	1544
11	Clearance at Full Lift and Max Dump	in	60.8
12	Max Discharge Angle from Horizontal	deg	53
		mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5 2483
15	Outside Tine Width (max spread)	mm in	2463 97.8
16	Outside Tine Width (min spread)	mm	590
10	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	The Thislesson	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kq	11300
		lbs	24905
	Operating Weight	ka Ibs	19971 44017
	*Negative values indicate below grade		
	Negative values illuicate below grade		



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

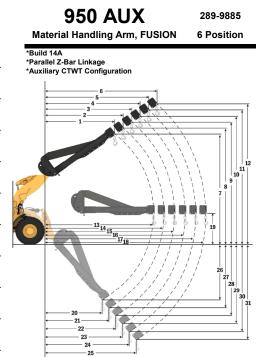




Standardization

### **Material Handling Arm Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
	mm	2,291	2,429	2,566	2,704	2,842	2,979
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	7' 6"	7' 11"	8' 5"	8' 10"	9' 3"	9' 9"
March 16, 11a-th Eventski (7, 0, 0, 40, 44, 40)	mm	6,852	7,124	7,396	7,668	7,939	8,211
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 1"	26' 0"	26' 11"
	mm	4,610	4,915	5,220	5,525	5,829	6,134
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	15' 1"	16' 1"	17' 1"	18' 1"	19' 1"	20' 1"
	mm	1,842	1,842	1,842	1,842	1,842	1,842
Level - Hook Eyelet Height (19)	ft, in	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"	6' 0.5"
	mm	2,416	2,596	2,777	2,957	3,137	3,318
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	7' 11"	8' 6"	9' 1"	9' 8"	10' 3"	10' 10"
	mm	(2,593)	(2,839)	(3,085)	(3,330)	(3,576)	(3,822
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-8' 5"	-9' 8"	-10' 10"	-10' 0"	-11' 3"	-12' 5"
Chatter Timping Long Obsight	kg	6,350	6,006	5,695	5,415	5,160	4,927
Static Tipping Load, Straight	lb	13,996	13,236	12,553	11,935	11,373	10,860
Statia Tianing Land, Adjusted	kg	5,501	5,202	4,932	4,689	4,467	4,265
Static Tipping Load, Articulated	lb	12,125	11,465	10,871	10,334	9,845	9,399
	kg	19,118	19,118	19,118	19,118	19,118	19,118
Operating Weight	lb	42,137	42,137	42,137	42,137	42,137	42,137



#### 

-Extension 1

- -Extension 2
- -Extension 3
- -Extension 4

----Extended

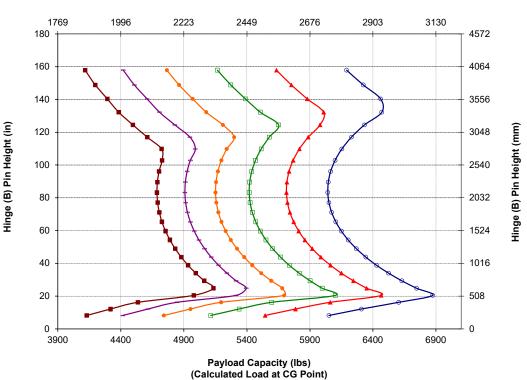
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, FuelTank, Coolant, Lubricants, and Operator.

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

The rated operating load for a loader equipped with a material handling arm is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit.

\*SAE - Society of Automotive Engineers

#### 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		Standard	Optional
POWERTRAIN			OPERATOR ENVIRONMENT		-
Cat <sup>®</sup> C7.1 engine	✓		Cab, pressurized, sound suppression	✓	
Electric fuel priming pump	$\checkmark$		Door, remote opening system**		√
Fuel-water separator and secondary fuel filter	$\checkmark$		EH implement controls, parking brake	$\checkmark$	
Engine, air precleaner	✓		Footrest		✓
Turbine, air precleaner		$\checkmark$	HMU steering wheel	~	
Radiator, high debris		$\checkmark$	Steering, joystick (LHD)		✓
Cooling fan, reversible		$\checkmark$	Implement joystick (2V, 3V only)		✓
Axles, open/open differentials**	✓		Entertainment radio		✓
Axles, auto front differential lock (LHD)	$\checkmark$		CB radio ready		$\checkmark$
Axles, auto front differential lock (HMU)		$\checkmark$	Seat belt, monitored	✓	
Axles, auto differential locks front and rear		✓	Seat, cloth, air suspension	$\checkmark$	
Axles, ecology drains, AOC ready, extreme temperature seals		$\checkmark$	Seat, suede/cloth, air suspension, heated Seat, leather/cloth, air suspension, heated/		✓ ✓
Axles, oil cooler		$\checkmark$	cooled Transformer disele	✓	
Transmission, countershaft, automatic powershift	$\checkmark$		Touchscreen display Keypad, programmable buttons	✓ ✓	
Torque converter with lock-up	√		Mirrors, heated		$\checkmark$
Service brakes, hydraulic, fully enclosed wet disc, wear indicators	$\checkmark$		Air conditioner, heater, defroster (auto temp, fan)	√	
Park brake, caliper on front axles, spring applied–pressure released	√		Sun visor, front and rear retractable Windows, front, laminated	✓ ✓	
Brake pedal neutralizer with decel function	✓		Windows, front, heavy duty		~
ONBOARD TECHNOLOGIES	·		Full cab window guard		✓
Autodig with auto set tires	✓		Tun eue minue in Buuru		
Operator ID and machine security	· ✓			(continued or	next page
Application profiles	· · · · · · · · · · · · · · · · · · ·				
Job aids	· · · · · · · · · · · · · · · · · · ·				
Controls help and eOMM	· · · · · · · · · · · · · · · · · · ·				
Cat Payload scale	√				
Cat Advanced Payload					
Cat Payload for Trade***					
Cat Payload Printer with E-ticket					
Key Features Inform	✓	-			
Bucket Carry Display Widget	 ✓				
Remote Flash					

### Standard and Optional Equipment (continued)

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

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

	Standard	Optional
SAFETY		
Cat Detect rear radar system		$\checkmark$
Dedicated rearview screen		$\checkmark$
Visibility: mirrors, rearview camera	$\checkmark$	
Multiview (360°) vision system		$\checkmark$
Window cleaning platform, front	$\checkmark$	
4-Point seat belt retractor		$\checkmark$
Reversing strobe lights		$\checkmark$
Seat belt monitoring beacon		$\checkmark$
Secondary steering system, electrical**		$\checkmark$
Wheel chocks		$\checkmark$
Warning beacon		$\checkmark$
Collision Warning System with Motion Inhibit and People Detection		$\checkmark$
Remote control		$\checkmark$
SPECIAL CONFIGURATIONS*		
Auxiliary counterweight		$\checkmark$
Waste and industrial		$\checkmark$
Forestry		$\checkmark$
Corrosion resistant		$\checkmark$

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

\*\*\* Available in Europe, Türkiye, Australia, and New Zealand. Country certifications vary. Contact your Cat dealer for more information.

## **950 Environmental Declaration**

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

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

#### Engine

- The Cat<sup>®</sup> 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  $CO_2$  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 < 0.01%
- $-\operatorname{Cadmium} < 0.01\%$
- $\ Chromium < 0.01\%$
- Lead < 0.01%

#### Sound

Operator Sound Pressure Level (ISO 6396:2008)	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	107 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	69 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	104 dB(A)

\* Including countries that adopt the EU and UK directives.

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

#### **Oils and Fluids**

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

#### **Features and Technology**

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Autodig with auto set tires provides consistent high bucket fill factors for up to 10% more productivity
  - 5-speed advanced powershift transmission, including a lock-up clutch torque converter delivers smooth shifting, fast acceleration, and speed on grade, amplifying your performance and fuel efficiency
  - Reliable fuel systems boost machine performance and fuel economy, lowering overall costs and fuel consumption
  - Automatic engine idle shutdown system reduces idle hours
- Extended maintenance intervals reduce fluid and filter consumption
- Remote Flash and Remote Troubleshoot

#### Recycling

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

Material Type	Weight Percentage
Steel	65.16%
Iron	15.93%
Nonferrous Metal	3.27%
Mixed Metal	0.58%
Mixed Metal and Nonmetal	0.08%
Plastic	0.98%
Rubber	7.84%
Mixed Nonmetallic	0.03%
Fluid	1.26%
Other	3.05%
Uncategorized	1.81%
Total	100%

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

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

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

Recyclability - 97%



# **950** *Waste & Scrap Handler*

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

### **Proven Reliability**

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with diesel particulate filter (DPF), and diesel exhaust fluid (DEF) tank and pump.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

### Durability

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

### Achieve Greater Fuel Efficiency and Productivity

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

## **Safety Features**

- Rear-vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Cab access with wide door, optional remote door opening, and inclined steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear-vision camera provide industry leading all-around visibility.

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

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

- Extended fluid and filter change intervals reduce maintenance costs by up to 30%.\*
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

## Work in Comfort in the All New Cab

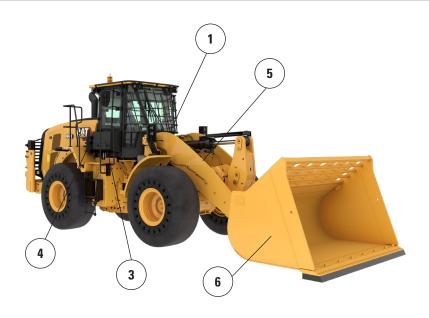
- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise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

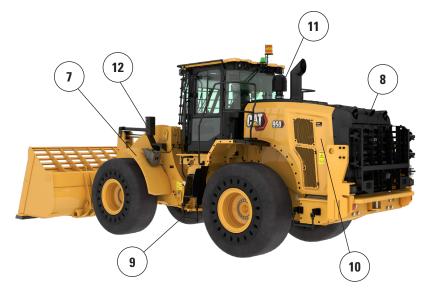
\*Parts and fluids only.

## 950 Waste & Scrap Handler Specifications

#### 950 Waste and Scrap Handler Features

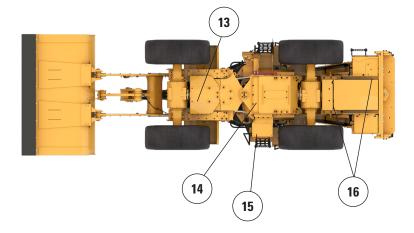
- 1. Optional window guarding to provide impact resistance to the glass
- 2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
- 3. Carbon cab air filter removes harsh odors
- Optional powered 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
- Optional turbine engine air precleaner with a trash screen option helps to extend engine air filter life
- 12. Front lights are guarded and positioned close to the frame for added protection

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



## 950 Waste & Scrap Handler Specifications

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

\*Width over tire bulge and includes tire growth.

### **Operating Specifications – Buckets**

Linl	cage			Standard Linkage					
Buc	ket Type				General Pu	rpose – Pin-On			
Edg	е Туре		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	
	Capacity – Rated	m <sup>3</sup>	3.10	3.10	2.90	3.40	3.40	3.20	
		yd <sup>3</sup>	4.00	4.00	3.75	4.50	4.50	4.25	
	Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.20	3.70	3.70	3.50	
		yd <sup>3</sup>	4.50	4.50	4.25	4.75	4.75	4.50	
Wid	Width	mm	2927	2994	2994	2927	2994	2994	
		ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	
<b>16</b> †	Dump Clearance at Maximum Lift	mm	2929	2811	2811	2872	2753	2753	
	and 45° Discharge	ft/in	9'7"	9'2"	9'2"	9'5"	9'0"	9'0"	
<b>17</b> †	Reach at Maximum Lift and	mm	1420	1531	1531	1464	1573	1573	
	45° Discharge	ft/in	4'7"	5'0"	5'0"	4'9"	5'1"	5'1"	
	Reach at Level Lift Arm and	mm	2679	2840	2840	2752	2913	2913	
	Bucket Level	ft/in	8'9"	9'3"	9'3"	9'0"	9'6"	9'6"	
<b>A</b> †	Digging Depth	mm	37	37	7	37	37	7	
		in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"	
<b>12</b> †	Overall Length	mm	8323	8497	8497	8396	8570	8570	
		ft/in	27'4"	27'11"	27'11"	27'7"	28'2"	28'2"	
B†	Overall Height with Bucket at	mm	5578	5578	5578	5650	5650	5650	
	Maximum Lift	ft/in	18'4"	18'4"	18'4"	18'7"	18'7"	18'7"	
	Loader Clearance Circle Radius	mm	6733	6819	6819	6755	6842	6842	
	with Bucket at Carry Position	ft/in	22'2"	22'5"	22'5"	22'2"	22'6"	22'6"	
	Static Tipping Load, Straight	kg	16 393	16 251	16 572	16 221	16 077	16 393	
	(No tire deflection)	lb	36,142	35,828	36,536	35,762	35,445	36,141	
	Static Tipping Load, Articulated	kg	14 324	14 182	14 481	14 160	14 016	14 310	
	(No tire deflection)	lb	31,580	31,266	31,926	31,218	30,901	31,549	
	Breakout Force(§)	kN	181	180	197	171	169	185	
		lbf	40,817	40,546	44,351	38,437	38,168	41,582	
	Operating Weight*	kg	23 045	23 153	22 996	23 139	23 247	23 090	
		lb	50,806	51,044	50,698	51,012	51,250	50,904	

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

† Illustration shown with Dimension charts.

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

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

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

Lin	kage		Standard Linkage						
Bue	cket Type				General Pu	rpose – Pin-On			
Edç	је Туре		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	
	Capacity – Rated	m <sup>3</sup>	3.60	3.60	3.40	3.80	3.80	3.60	
		yd <sup>3</sup>	4.75	4.75	4.50	5.00	5.00	4.75	
	Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.00	4.00	3.70	4.20	4.20	4.00	
		yd <sup>3</sup>	5.25	5.25	4.75	5.50	5.50	5.25	
	Width	mm	2927	2994	2994	2927	2994	2994	
		ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	
<b>16</b> †	Dump Clearance at Maximum Lift	mm	2846	2726	2726	2811	2691	2691	
	and 45° Discharge	ft/in	9'4"	8'11"	8'11"	9'2"	8'9"	8'9"	
<b>17</b> †	Reach at Maximum Lift and	mm	1486	1595	1595	1515	1623	1623	
	45° Discharge	ft/in	4'10"	5'2"	5'2"	4'11"	5'3"	5'3"	
	Reach at Level Lift Arm and	mm	2787	2948	2948	2833	2994	2994	
	Bucket Level	ft/in	9'1"	9'8"	9'8"	9'3"	9'9"	9'9"	
A†	Digging Depth	mm	37	37	7	37	37	7	
		in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"	
<b>12</b> †	Overall Length	mm	8431	8605	8605	8477	8651	8651	
		ft/in	27'8"	28'3"	28'3"	27'10"	28'5"	28'5"	
B†	Overall Height with Bucket at	mm	5683	5683	5683	5731	5731	5731	
	Maximum Lift	ft/in	18'8"	18'8"	18'8"	18'10"	18'10"	18'10'	
	Loader Clearance Circle Radius	mm	6766	6853	6853	6780	6867	6867	
	with Bucket at Carry Position	ft/in	22'3"	22'6"	22'6"	22'3"	22'7"	22'7"	
	Static Tipping Load, Straight	kg	16 147	16 002	16 314	16 041	15 896	16 203	
	(No tire deflection)	lb	35,598	35,279	35,966	35,366	35,045	35,72	
	Static Tipping Load, Articulated	kg	14 090	13 945	14 235	13 990	13 844	14 130	
	(No tire deflection)	lb	31,063	30,744	31,384	30,843	30,522	31,151	
	Breakout Force (§)	kN	166	165	179	160	159	172	
		lbf	37,390	37,121	40,371	36,084	35,816	38,868	
	Operating Weight*	kg	23 175	23 283	23 126	23 230	23 338	23 18	
		lb	51,092	51,330	50,984	51,213	51,451	51,104	

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

† Illustration shown with Dimension charts.

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

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

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

Linkage		Standard Linkage						
Bucket Type			Gei	neral Purpose	– Hook-On – Fusi	on		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	
Capacity – Rated	m <sup>3</sup>	3.10	3.10	2.90	3.40	3.40	3.20	
	yd <sup>3</sup>	4.00	4.00	3.75	4.50	4.50	4.25	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.20	3.70	3.70	3.50	
	yd <sup>3</sup>	4.50	4.50	4.25	4.75	4.75	4.50	
Width	mm	2927	2994	2994	2927	2994	2994	
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	
<b>16</b> <sup>†</sup> Dump Clearance at Maximum Lift	mm	2890	2771	2771	2832	2713	2713	
and 45° Discharge	ft/in	9'5"	9'1"	9'1"	9'3"	8'10"	8'10"	
<b>7</b> <sup>†</sup> Reach at Maximum Lift and	mm	1466	1576	1576	1509	1618	1618	
45° Discharge	ft/in	4'9"	5'2"	5'2"	4'11"	5'3"	5'3"	
Reach at Level Lift Arm and	mm	2739	2900	2900	2812	2973	2973	
Bucket Level	ft/in	8'11"	9'6"	9'6"	9'2"	9'9"	9'9"	
A <sup>†</sup> Digging Depth	mm	37	37	7	37	37	7	
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"	
12† Overall Length	mm	8383	8557	8557	8456	8630	8630	
	ft/in	27'7"	28'1"	28'1"	27'9"	28'4"	28'4"	
<b>B</b> <sup>+</sup> Overall Height with Bucket at	mm	5611	5611	5611	5683	5683	5683	
Maximum Lift	ft/in	18'5"	18'5"	18'5"	18'8"	18'8"	18'8"	
Loader Clearance Circle Radius	mm	6747	6834	6834	6769	6857	6857	
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'6"	22'3"	22'6"	22'6"	
Static Tipping Load, Straight	kg	15 752	15 610	15 982	15 612	15 469	15 838	
(No tire deflection)	lb	34,728	34,415	35,236	34,420	34,104	34,918	
Static Tipping Load, Articulated	kg	13 715	13 573	13 924	13 583	13 439	13 788	
(No tire deflection)	lb	30,236	29,924	30,697	29,945	29,629	30,397	
Breakout Force(§)	kN	172	171	187	163	162	176	
	lbf	38,860	38,590	42,070	36,698	36,430	39,572	
Operating Weight*	kg	23 515	23 623	23 466	23 585	23 693	23 536	
	lb	51,841	52,079	51,733	51,995	52,234	51,887	

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

† Illustration shown with Dimension charts.

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

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

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

Lin	kage		Standard Linkage							
Bud	:ket Type			Ger	neral Purpose	– Hook-On – Fusi	on			
Edç	Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips		
	Capacity – Rated	m <sup>3</sup>	3.60	3.60	3.40	3.80	3.80	3.60		
		yd <sup>3</sup>	4.75	4.75	4.50	5.00	5.00	4.75		
	Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.00	4.00	3.70	4.20	4.20	4.00		
		yd <sup>3</sup>	5.25	5.25	4.75	5.50	5.50	5.25		
1	Width	mm	2927	2994	2994	2927	2994	2994		
		ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"		
16†	Dump Clearance at Maximum Lift	mm	2806	2686	2686	2771	2651	2651		
	and 45° Discharge	ft/in	9'2"	8'9"	8'9"	9'1"	8'8"	8'8"		
17†	Reach at Maximum Lift and	mm	1530	1639	1639	1559	1668	1668		
	45° Discharge	ft/in	5'0"	5'4"	5'4"	5'1"	5'5"	5'5"		
	Reach at Level Lift Arm and	mm	2847	3008	3008	2893	3054	3054		
	Bucket Level	ft/in	9'4"	9'10"	9'10"	9'5"	10'0"	10'0"		
A†	Digging Depth	mm	37	37	7	37	37	7		
		in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"		
<b>12</b> †	Overall Length	mm	8491	8665	8665	8537	8711	8711		
		ft/in	27'11"	28'6"	28'6"	28'1"	28'7"	28'7"		
B†	Overall Height with Bucket at	mm	5717	5717	5717	5764	5764	5764		
	Maximum Lift	ft/in	18'10"	18'10"	18'10"	18'11"	18'11"	18'11"		
	Loader Clearance Circle Radius	mm	6780	6868	6868	6795	6883	6883		
	with Bucket at Carry Position	ft/in	22'3"	22'7"	22'7"	22'4"	22'7"	22'7"		
	Static Tipping Load, Straight	kg	15 543	15 399	15 767	15 452	15 307	15 674		
	(No tire deflection)	lb	34,267	33,950	34,762	34,066	33,747	34,555		
	Static Tipping Load, Articulated	kg	13 517	13 373	13 721	13 431	13 286	13 632		
	(No tire deflection)	lb	29,801	29,484	30,250	29,611	29,291	30,055		
	Breakout Force(§)	kN	159	157	171	153	152	165		
		lbf	35,736	35,469	38,467	34,537	34,271	37,095		
	Operating Weight*	kg	23 619	23 727	23 570	23 664	23 772	23 615		
		lb	52,071	52,309	51,963	52,170	52,408	52,062		

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

† Illustration shown with Dimension charts.

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

Linkage		Standard	l Linkage
Bucket Type			p Clamp – -On
Edge Type		Steel Bolt-On Cutting Edges	Rubber Cutting Edges
Capacity – Rated	m <sup>3</sup>	4.40	4.40
	yd <sup>3</sup>	5.75	5.75
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.80	4.80
	yd <sup>3</sup>	6.25	6.25
Width	mm	3059	3059
	ft/in	10'0"	10'0"
6† Dump Clearance at Maximum Lift	mm	2302	2204
and 45° Discharge	ft/in	7'6"	7'2"
<b>7</b> <sup>†</sup> Reach at Maximum Lift and	mm	1891	1831
45° Discharge	ft/in	6'2"	6'0"
Reach at Level Lift Arm and	mm	3474	3500
Bucket Level	ft/in	11'4"	11'5"
A <sup>+</sup> Digging Depth	mm	15	15
	in	0.5"	0.5"
<b>12</b> <sup>↑</sup> Overall Length	mm	9128	9236
	ft/in	30'0"	30'4"
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	5333	5333
Maximum Lift	ft/in	17'6"	17'6"
Loader Clearance Circle Radius	mm	7307	7363
with Bucket at Carry Position	ft/in	24'0"	24'2"
Static Tipping Load, Straight	kg	10 312	10 373
(No tire deflection)	lb	22,734	22,870
Static Tipping Load, Articulated	kg	8755	8816
(No tire deflection)	lb	19,301	19,437
Breakout Force(§)	kN	25	33
	lbf	5,683	7,515
Operating Weight*	kg	24 891	24 819
	lb	54,876	54,717

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

† Illustration shown with Dimension charts.

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

Linkage			High Lift Linkage						
Bucket Type					General Pu	rpose – Pin-On			
Edge Type			Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	
Capacity – F	Rated	m <sup>3</sup>	3.10	3.10	2.90	3.40	3.40	3.20	
		yd <sup>3</sup>	4.00	4.00	3.75	4.50	4.50	4.25	
Capacity – H	Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.20	3.70	3.70	3.50	
		yd <sup>3</sup>	4.50	4.50	4.25	4.75	4.75	4.50	
Width		mm	2927	2994	2994	2927	2994	2994	
		ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	
16† Dump Clear	ance at Maximum Lift	mm	3434	3316	3316	3378	3258	3258	
and 45° Dise	charge	ft/in	11'3"	10'10"	10'10"	11'0"	10'8"	10'8"	
17† Reach at Ma	ximum Lift and	mm	1456	1566	1566	1499	1609	1609	
45° Discharg	ge	ft/in	4'9"	5'1"	5'1"	4'11"	5'3"	5'3"	
Reach at Le	vel Lift Arm and	mm	3054	3215	3215	3127	3288	3288	
Bucket Leve	el	ft/in	10'0"	10'6"	10'6"	10'3"	10'9"	10'9"	
A† Digging Dep	oth	mm	41	41	11	41	41	11	
		in	1.6"	1.6"	0.4"	1.6"	1.6"	0.4"	
12† Overall Len	gth	mm	8783	8955	8955	8856	9028	9028	
		ft/in	28'10"	29'5"	29'5"	29'1"	29'8"	29'8"	
B† Overall Heig	ght with Bucket at	mm	6083	6083	6083	6155	6155	6155	
Maximum L	ift	ft/in	20'0"	20'0"	20'0"	20'3"	20'3"	20'3"	
Loader Clea	rance Circle Radius	mm	6932	7022	7022	6955	7046	7046	
with Bucket	at Carry Position	ft/in	22'9"	23'1"	23'1"	22'10"	23'2"	23'2"	
Static Tippir	ng Load, Straight	kg	13 600	13 463	13 739	13 443	13 304	13 576	
(No tire defl	ection)	lb	29,984	29,681	30,291	29,636	29,330	29,931	
Static Tippir	ng Load, Articulated	kg	11 832	11 694	11 954	11 681	11 542	11 798	
(No tire defl	ection)	lb	26,085	25,782	26,355	25,752	25,446	26,010	
Breakout Fo	rce(§)	kN	172	171	187	162	161	175	
		lbf	38,692	38,449	42,076	36,426	36,184	39,439	
Operating W	/eight*	kg	23 296	23 404	23 247	23 389	23 497	23 340	
		lb	51,358	51,596	51,250	51,564	51,802	51,456	

\* 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.

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(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.

Linkag	ge		High Lift Linkage							
Bucke	et Type				General Pu	rpose – Pin-On				
Edge 1	Туре		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips		
Са	apacity – Rated	m <sup>3</sup>	3.60	3.60	3.40	3.80	3.80	3.60		
		yd <sup>3</sup>	4.75	4.75	4.50	5.00	5.00	4.75		
Са	apacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.00	4.00	3.70	4.20	4.20	4.00		
		yd <sup>3</sup>	5.25	5.25	4.75	5.50	5.50	5.25		
W	/idth	mm	2927	2994	2994	2927	2994	2994		
		ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"		
<b>16</b> † Di	ump Clearance at Maximum Lift	mm	3351	3232	3232	3317	3197	3197		
an	nd 45° Discharge	ft/in	10'11"	10'7"	10'7"	10'10"	10'5"	10'5"		
<b>17</b> † Re	each at Maximum Lift and	mm	1521	1630	1630	1550	1659	1659		
45	5° Discharge	ft/in	4'11"	5'4"	5'4"	5'1"	5'5"	5'5"		
Re	each at Level Lift Arm and	mm	3162	3323	3323	3208	3369	3369		
Вι	ucket Level	ft/in	10'4"	10'10"	10'10"	10'6"	11'0"	11'0"		
A† Di	igging Depth	mm	41	41	11	41	41	11		
		in	1.6"	1.6"	0.4"	1.6"	1.6"	0.4"		
12† O	verall Length	mm	8891	9063	9063	8937	9109	9109		
		ft/in	29'3"	29'9"	29'9"	29'4"	29'11"	29'11"		
B† O	verall Height with Bucket at	mm	6189	6189	6189	6236	6236	6236		
Μ	aximum Lift	ft/in	20'4"	20'4"	20'4"	20'6"	20'6"	20'6"		
Lo	oader Clearance Circle Radius	mm	6966	7058	7058	6981	7073	7073		
wi	ith Bucket at Carry Position	ft/in	22'11"	23'2"	23'2"	22'11"	23'3"	23'3"		
St	atic Tipping Load, Straight	kg	13 375	13 236	13 505	13 279	13 139	13 404		
(N	No tire deflection)	lb	29,488	29,180	29,774	29,277	28,968	29,552		
St	atic Tipping Load, Articulated	kg	11 617	11 477	11 730	11 525	11 385	11 634		
(N	No tire deflection)	lb	25,611	25,303	25,861	25,409	25,101	25,650		
Bı	reakout Force(§)	kN	157	156	170	152	151	163		
		lbf	35,429	35,187	38,285	34,186	33,944	36,854		
0	perating Weight*	kg	23 426	23 534	23 377	23 480	23 588	23 431		
		lb	51,644	51,882	51,536	51,765	52,003	51,657		

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

† Illustration shown with Dimension charts.

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

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

Linkage		High Lift Linkage						
Bucket Type			Ger	neral Purpose	– Hook-On – Fusi	on		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	
Capacity – Rated	m <sup>3</sup>	3.10	3.10	2.90	3.40	3.40	3.20	
	yd <sup>3</sup>	4.00	4.00	3.75	4.50	4.50	4.25	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.40	3.40	3.20	3.70	3.70	3.50	
	yd <sup>3</sup>	4.50	4.50	4.25	4.75	4.75	4.50	
Width	mm	2927	2994	2994	2927	2994	2994	
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	
<b>6</b> † Dump Clearance at Maximum Lift	mm	3395	3277	3277	3338	3219	3219	
and 45° Discharge	ft/in	11'1"	10'9"	10'9"	10'11"	10'6"	10'6"	
<b>7</b> <sup>†</sup> Reach at Maximum Lift and	mm	1501	1612	1612	1544	1654	1654	
45° Discharge	ft/in	4'11"	5'3"	5'3"	5'0"	5'5"	5'5"	
Reach at Level Lift Arm and	mm	3114	3275	3275	3187	3348	3348	
Bucket Level	ft/in	10'2"	10'8"	10'8"	10'5"	10'11"	10'11"	
A† Digging Depth	mm	41	41	11	41	41	11	
	in	1.6"	1.6"	0.4"	1.6"	1.6"	0.4"	
<b>2</b> † Overall Length	mm	8843	9015	9015	8916	9088	9088	
	ft/in	29'1"	29'7"	29'7"	29'4"	29'10"	29'10"	
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6116	6116	6116	6188	6188	6188	
Maximum Lift	ft/in	20'1"	20'1"	20'1"	20'4"	20'4"	20'4"	
Loader Clearance Circle Radius	mm	6941	7032	7032	6964	7056	7056	
with Bucket at Carry Position	ft/in	22'10"	23'1"	23'1"	22'11"	23'2"	23'2"	
Static Tipping Load, Straight	kg	13 016	12 879	13 199	12 889	12 751	13 068	
(No tire deflection)	lb	28,696	28,394	29,098	28,416	28,111	28,812	
Static Tipping Load, Articulated	kg	11 272	11 135	11 438	11 151	11 013	11 315	
(No tire deflection)	lb	24,850	24,548	25,217	24,584	24,279	24,945	
Breakout Force (§)	kN	163	162	177	154	153	166	
	lbf	36,829	36,587	39,905	34,772	34,530	37,526	
Operating Weight*	kg	23 766	23 874	23 717	23 835	23 943	23 786	
	lb	52,393	52,632	52,285	52,548	52,786	52,440	

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

† Illustration shown with Dimension charts.

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

Linkage			High Lift Linkage						
Bucket Typ	)e			Gei	neral Purpose	– Hook-On – Fusi	on		
Edge Type			Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	
Capaci	ity – Rated	m <sup>3</sup>	3.60	3.60	3.40	3.80	3.80	3.60	
		yd <sup>3</sup>	4.75	4.75	4.50	5.00	5.00	4.75	
Capaci	ty – Rated at 110% Fill Factor	m <sup>3</sup>	4.00	4.00	3.70	4.20	4.20	4.00	
		yd <sup>3</sup>	5.25	5.25	4.75	5.50	5.50	5.25	
Width		mm	2927	2994	2994	2927	2994	2994	
		ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	
16† Dump	Clearance at Maximum Lift	mm	3311	3192	3192	3277	3157	3157	
and 45	° Discharge	ft/in	10'10"	10'5"	10'5"	10'9"	10'4"	10'4"	
17† Reach	at Maximum Lift and	mm	1566	1675	1675	1595	1703	1703	
45° Di	scharge	ft/in	5'1"	5'5"	5'5"	5'2"	5'7"	5'7"	
Reach	at Level Lift Arm and	mm	3222	3383	3383	3268	3429	3429	
Bucket	t Level	ft/in	10'6"	11'1"	11'1"	10'8"	11'3"	11'3"	
A† Diggin	ig Depth	mm	41	41	11	41	41	11	
		in	1.6"	1.6"	0.4"	1.6"	1.6"	0.4"	
12† Overal	l Length	mm	8951	9123	9123	8997	9169	9169	
		ft/in	29'5"	30'0"	30'0"	29'7"	30'1"	30'1"	
B† Overal	l Height with Bucket at	mm	6222	6222	6222	6270	6270	6270	
Maxim	num Lift	ft/in	20'5"	20'5"	20'5"	20'7"	20'7"	20'7"	
Loader	Clearance Circle Radius	mm	6976	7067	7067	6991	7083	7083	
with B	ucket at Carry Position	ft/in	22'11"	23'3"	23'3"	23'0"	23'3"	23'3"	
Static	Tipping Load, Straight	kg	12 826	12 687	13 004	12 743	12 604	12 920	
(No tir	e deflection)	lb	28,278	27,971	28,670	28,095	27,787	28,484	
Static	Tipping Load, Articulated	kg	11 091	10 953	11 254	11 013	10 873	11 174	
(No tir	e deflection)	lb	24,453	24,147	24,811	24,280	23,972	24,635	
Breako	out Force(§)	kN	150	149	162	145	144	156	
		lbf	33,856	33,614	36,474	32,715	32,473	35,167	
Operat	ing Weight*	kg	23 870	23 978	23 821	23 915	24 023	23 866	
-		lb	52,623	52,861	52,515	52,722	52,960	52,614	

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

† Illustration shown with Dimension charts.

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

Linkage		High Lift	t Linkage
Bucket Type			p Clamp – -On
Edge Type		Steel Bolt-On Cutting Edges	Rubber Cutting Edges
Capacity – Rated	m <sup>3</sup>	4.40	4.40
	yd <sup>3</sup>	5.75	5.75
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.80	4.80
	yd <sup>3</sup>	6.25	6.25
Width	mm	3059	3059
	ft/in	10'0"	10'0''
6† Dump Clearance at Maximum Lift	mm	2807	2709
and 45° Discharge	ft/in	9'2"	8'10"
<b>17</b> <sup>†</sup> Reach at Maximum Lift and	mm	1927	1866
45° Discharge	ft/in	6'3"	6'1"
Reach at Level Lift Arm and	mm	3849	3875
Bucket Level	ft/in	12'7"	12'8"
A <sup>+</sup> Digging Depth	mm	19	19
	in	0.7"	0.7"
<b>I2</b> <sup>†</sup> Overall Length	mm	9586	9681
	ft/in	31'6"	31'10"
<b>B</b> <sup>+</sup> Overall Height with Bucket at	mm	5838	5838
Maximum Lift	ft/in	19'2"	19'2"
Loader Clearance Circle Radius	mm	7573	7624
with Bucket at Carry Position	ft/in	24'11"	25'1"
Static Tipping Load, Straight	kg	8651	8714
(No tire deflection)	lb	19,072	19,211
Static Tipping Load, Articulated	kg	7266	7329
(No tire deflection)	lb	16,019	16,158
Breakout Force(§)	kN	26	33
	lbf	6,030	7,446
Operating Weight*	kg	25 142	25 070
	lb	55,428	55,269

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

† Illustration shown with Dimension charts.

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

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

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



# **950** Forestry Machine

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

### **Proven Reliability**

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with diesel particulate filter (DPF), and diesel exhaust fluid (DEF) tank and pump.
- Features an electric fuel priming pump, fuel-water separator, and secondary fuel filter.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

### **Durability**

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

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

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

### **Safety Features**

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

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

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

- Extended fluid and filter change intervals reduce maintenance costs by up to 30%.\*
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

### Work in Comfort in the All New Cab

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

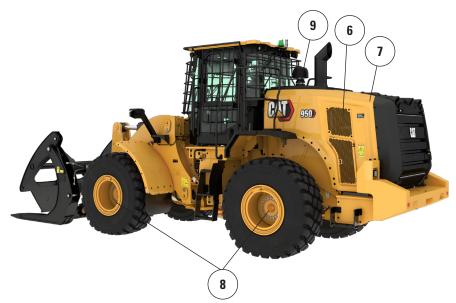
\*Parts and fluids only.

# **950 Forestry Machine Specifications**

### **950 Forestry Machine Features**

- 1. Larger tilt cylinder and larger lift cylinders for increased load control in fork applications
- 2. Heavier counterweight provides increased tipping loads in a millyard application
- 3. Optional window guarding to provide impact resistance to the glass
- 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 (average of front and rear)		10 mm 0.4"	12 mm 0.5"	19 mm 0.7"	14 mm 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"

\*Width over tire bulge and includes tire growth.

### **Operating Specifications – Buckets**

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

\* 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.

† Illustration shown with Dimension charts.

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

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

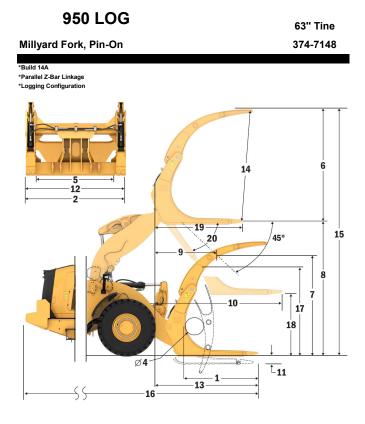
(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

# **950 Forestry Machine Specifications**

### **Fork Specifications**

#### **Fork Specifications**

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



\*Negative values indicate below grade

-Payload (SAE J1197)

-O-Static Tipping Load - Articulated

---Static Tipping Load - Straigh

-A-Hydraulic Tilt 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.

Height (in)

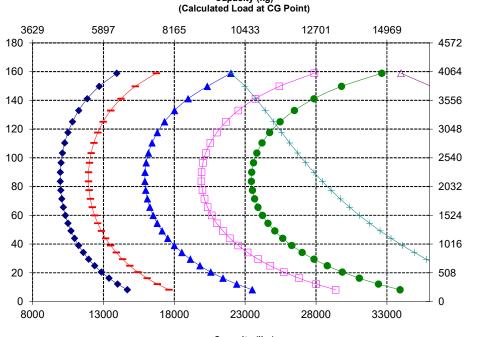
Pin

Hinge (B)

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 (kg)

Capacity (lbs) (Calculated Load at CG Point)

Hinge (B) Pin Height (mm)

#### **Fork Specifications**

1	Tine length	mm	1609
	-	in	63.3
2	Fork width	mm	2324
		in	91.5
	End area	m2	1.26
		ft2	14
3	Inside Height	mm	0
	(only applies to double top clamp)	in	0
4	Min. opening	mm	427
	(only applies to millyard forks)	in	17
	Operating Weight	kg	21227
		lbs	46798
5	Distance inside of tine tips	mm	1780
	Ctatis tississ land, antisulated	in	70
	Static tipping load, articulated Fork level	kg	8038
	Static tipping load, straight	lbs	17720.8
	Fork level	kg	9567
	Max. height of fork	lbs	21090.6
6	(w/clamp open if applicable)	mm	2843
	Clearance w/full lift, 45 deg dump	in	111.9
7	(if max. dump <> 45)	mm	2542
	(ii max. dump <> 45)	in m	<u>100.1</u> 3775
8	Clearance @ full lift fork level	in	148.6
•	Reach w/full lift, 45 deg dump	mm	1694
9	(if max. dump <> 45)	in	66.7
40	Reach w/lift arm horizontal and fork level	mm	3158
10	Reach with antihonzontal and lork level	in	124.3
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-52
		in	-2.1
12	Width over tines	mm	2286
		in	90.0
13	Reach @ ground level	mm	2541
		in	100
14	Max. opening across tine and clamp	mm	2709
		in	106.7
15	Overall height of fork @ full lift and	mm	6618
	clamp open	in	260.5
16	Overall length	mm	8768
	Tip of tine to rear of machine	in	345.2
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	2266 89.2
	Clearance w/horizontal lift arms and	mm	1813.9
18	fork level	in	71.4
		mm	2420.5
19	Reach @ full lift and fork level	in	2420.5 95.3
			63
20	Max. discharge angle from horizontal	deg rad	1.1
		iau	1.1

950 LOG	63" Tine
Millyard Fork, FUSION	383-3523
"Build 14A "Parallel Z-Bar Linkage "Logging Configuration	
	6
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\*Negative values indicate below grade

-Payload (SAE J1197) -Payload (CEN EN 474-3 - Rough Te

-O-Static Tipping Load - Articulated

----Static Tipping Load - Straight

-----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.

Height (in)

Pin

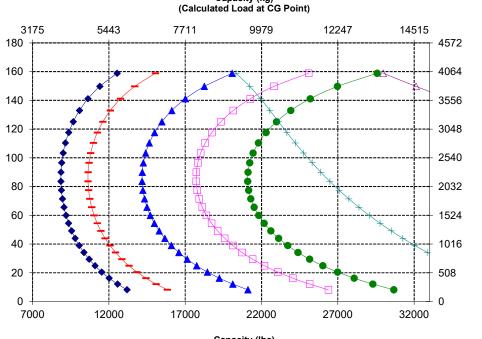
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Hinge (

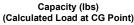
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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 (kg)



Hinge (B) Pin Height (mm)

# **950 Forestry Machine Specifications**

### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine length	mm in	1677 66.0
		mm	2236
2	Fork width	in	88.0
			1.39
	End area	m2 ft2	1.39
	Inside Height		0
3	(only applies to double top clamp)	mm	-
	Min. opening	in	0 330
4	(only applies to millyard forks)	mm	
	(only applies to minyard torks)	in	13
	Operating Weight	kg	19934
		lbs	43947
5	Distance inside of tine tips	mm	1904
	Otatia tinning land activulated	in	75
	Static tipping load, articulated Fork level	kg	8774
		lbs	19343.1
	Static tipping load, straight Fork level	kg	10242
		lbs	22579.4
6	Max. height of fork	mm	3144
	(w/clamp open if applicable)	in	123.8
7	Clearance w/full lift, 45 deg dump	mm	2362
	(if max. dump <> 45)	in	93.0
8	Clearance @ full lift fork level	mm	3659
	Dearberrich III A. A. das duras	in	144.1
9	Reach w/full lift, 45 deg dump	mm	1711
	(if max. dump <> 45)	in	67.3
10	Reach w/lift arm horizontal and fork level	mm	3297
		in	129.8
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-168
		in	-6.6
12	Width over tines	mm	2184
		in	86.0
13	Reach @ ground level	mm	2765
		in	109
14	Max. opening across tine and clamp	mm	2914
		in	114.7
15	Overall height of fork @ full lift and	mm	6803
	clamp open	in	267.8
16	Overall length	mm	8992
	Tip of tine to rear of machine	in	354.0
17	Clearance @ full lift and max. dump	mm	2344
	Discharge (if <> 45)	in	92.3
18	Clearance w/horizontal lift arms and	mm	1698.0
	fork level	in	66.9
19	Reach @ full lift and fork level	mm	2559.3
		in	100.8
20	Max. discharge angle from horizontal	deg	46
		rad	0.8

950 LOG	66" Tine
Millyard Pole Fork, Pin-On	445-2466
*Build 14A *Parallel Z-Bar Linkage *Logging Configuration	
	6

\*Negative values indicate below grade

Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Te

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

---Static Tipping Load - Straight

-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.

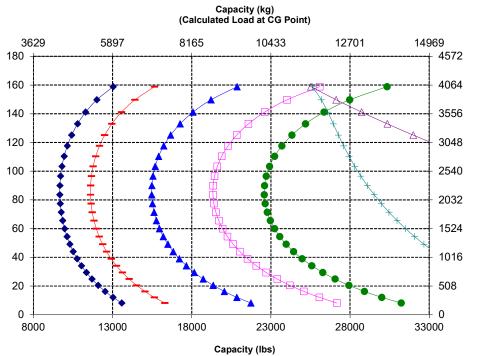
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Hinge (B) Pin Height

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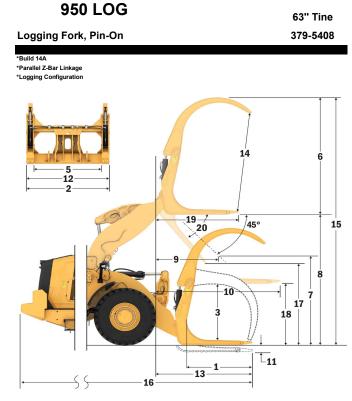
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



(Calculated Load at CG Point)

#### **Fork Specifications**

	•		
1	Tine length	mm in	1609 63.3
		mm	2332
2	Fork width	in	2332 91.8
	End area	m2	1.9
	End alea	ft2	20
3	Inside Height	mm	1381
3	(only applies to double top clamp)	in	54
4	Min. opening	mm	N/A
4	(only applies to millyard forks)	in	N/A
	Operating Weight	kg	20367
		lbs	44902
5	Distance inside of tine tips	mm	1776
3		in	70
	Static tipping load, articulated	kg	8748
	Fork level	lbs	19285.0
	Static tipping load, straight	kg	10260
	Fork level	lbs	22619.7
6	Max. height of fork	mm	2944
0	(w/clamp open if applicable)	in	115.9
7	Clearance w/full lift, 45 deg dump	mm	2628
<u>'</u>	(if max. dump <> 45)	in	103.5
8	Clearance @ full lift fork level	mm	3762
<u> </u>		in	148.1
9	Reach w/full lift, 45 deg dump	mm	1589
·	(if max. dump <> 45)	in	62.6
10	Reach w/lift arm horizontal and fork level	mm	3022
		in	119.0
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-65
	g	in	-2.6
12	Width over tines	mm	2298
		in	90.5
13	Reach @ ground level	mm	2416
	6,	in	95
14	Max. opening across tine and clamp	mm	2542
		in	100.1
15	Overall height of fork @ full lift and	mm	6705
	clamp open	in	264.0
16	Overall length Tip of tine to rear of machine	mm	8643
		in	340.3
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	2613 102.9
	Clearance w/horizontal lift arms and	mm	1800.7
18	fork level	in	70.9
		mm	2285.1
19	Reach @ full lift and fork level	in	2285.1
		deg	46
20	Max. discharge angle from horizontal	rad	0.8
		rau	0.0



\*Negative values indicate below grade

→ Payload (SAE J1197) → Payload (CEN EN 474-3 - Rough Ter

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

-O-Static Tipping Load - Articulated

- ---Static Tipping Load Straight
- -A-Hydraulic Tilt Capac

----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.

<u>i</u>

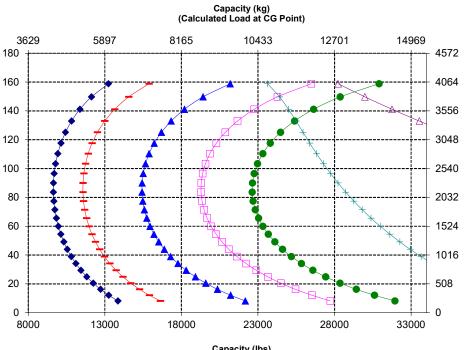
Pin Height

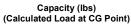
Hinge (B) I

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

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

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Hinge (B) Pin Height (mm)

# **950 Forestry Machine Specifications**

### **Fork Specifications**

#### **Fork Specifications**

	-		
1	Tine length	mm	917
		in	36.1
2	Fork width	mm	1855
		in	73.0
	End area	m2 ft2	2.5 27
	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
	Min. opening	mm	1450
4	(only applies to millyard forks)	in	57
		kg	20605
	Operating Weight	lbs	45426
		mm	1314
5	Distance inside of tine tips	in	52
	Static tipping load, articulated	kg	8102
	Fork level	lbs	17861.8
	Static tipping load, straight	kg	9542
	Fork level	lbs	21035.9
-	Max, height of fork	mm	3433
6	(w/clamp open if applicable)	in	135.1
-	Clearance w/full lift, 45 deg dump	mm	3023
7	(if max. dump <> 45)	in	119.0
8	Oleanana @ full lift facts laural	mm	3674
ð	Clearance @ full lift fork level	in	144.7
9	Reach w/full lift, 45 deg dump	mm	1071
3	(if max. dump <> 45)	in	42.2
10	Reach w/lift arm horizontal and fork level	mm	2376
		in	93.6
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-153
	Ground to Bottom of 1001 at Minimum Height and 1001 Eeven	in	-6.0
12	Width over tines	mm	1850
		in	72.8
13	Reach @ ground level	mm	1834
		in	72
14	Max. opening across tine and clamp	mm	3123
		in	123.0
15	Overall height of fork @ full lift and	mm	7107
	clamp open	in	279.8
16	Overall length	mm	8061
	Tip of tine to rear of machine	in	317.4
17	Clearance @ full lift and max. dump	mm	2943
	Discharge (if <> 45)	in	115.9
18	Clearance w/horizontal lift arms and	mm	1713.3
	fork level	in	67.5
19	Reach @ full lift and fork level	mm	1639.1
		in	64.5
20	Max. discharge angle from horizontal	deg	57
	- · ·	rad	1.0

950 LOG	36" Tine
Grapple Fork, FUSION	352-7339
*Build 14A *Parallel Z-Bar Linkage *Logging Configuration	
	18

\*Negative values indicate below grade

- ← Payload (SAE J1197) ---- Payload (CEN EN 474-3 - Rough Te ---- Payload (CEN EN 474-3 - Firm & Le

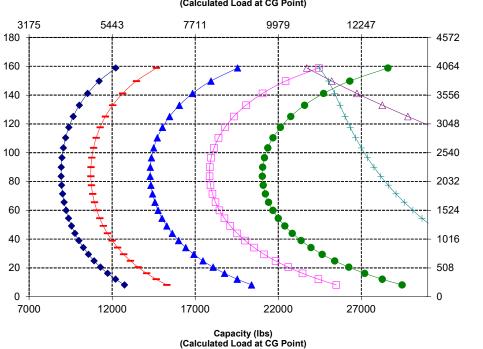
-B-Static Tipping Load - Articula

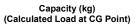
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator. Hinge (B) Pin Height (in)

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

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

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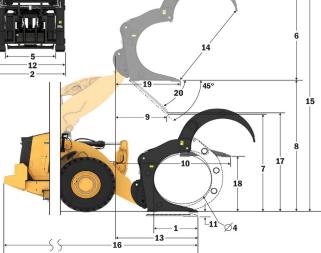


Hinge (B) Pin Height (mm)

#### **Fork Specifications**

1	Tine length	mm	1220
	•	in	48.0
2	Fork width	mm	1855
		in	73.0
	End area	m2	2.63
		ft2	28
3	Inside Height	mm	0
-	(only applies to double top clamp)	in	0
4	Min. opening	mm	1448
	(only applies to millyard forks)	in	57
	Operating Weight	kg	20766
	opolitaling Wolght	lbs	45781
5	Distance inside of tine tips	mm	1314
5	Distance made of the tips	in	52
	Static tipping load, articulated	kg	7850
	Fork level	lbs	17305.9
	Static tipping load, straight	kg	9276
	Fork level	lbs	20448.9
6	Max. height of fork	mm	3356
6	(w/clamp open if applicable)	in	132.1
-	Clearance w/full lift, 45 deg dump	mm	2841
7	(if max. dump <> 45)	in	111.9
•		mm	3747
8	Clearance @ full lift fork level	in	147.5
9	Reach w/full lift, 45 deg dump	mm	1356
3	(if max. dump <> 45)	in	53.4
10	Reach w/lift arm horizontal and fork level	mm	2707
10		in	106.6
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-80
	Ground to Bottom of Tool at Minimum Height and Tool Level	in	-3.2
40	Width over tines	mm	1850
12	width over times	in	72.8
40	Breck @ served level	mm	2111
13	Reach @ ground level	in	83
	Maria and a second data and a lange	mm	3027
14	Max. opening across tine and clamp	in	119.2
4.5	Overall height of fork @ full lift and	mm	7103
15	clamp open	in	279.7
	Overall length	mm	8338
16	Tip of tine to rear of machine	in	328.3
	Clearance @ full lift and max. dump	mm	2707
17	Discharge (if <> 45)	in	106.6
	Clearance w/horizontal lift arms and	mm	1786.0
18	fork level	in	70.3
		mm	1969.4
19	Reach @ full lift and fork level		
		in	77.5
20	Max. discharge angle from horizontal	deg	57
		rad	1.0

### 950 LOG Grapple Fork, FUSION 442-9358 \*Build 14A \*Parallel Z-Bar Linkage \*Logging Configuration A R 12 19 45° 20



\*Negative values indicate below grade

ad (SAE J1197) Payload (CEN EN 474-3 - Rough 1

id (CEN EN 474-3 - Firm & Level

ng Load - A

-Static Tipping Load - Straigh - Hydraulic Tilt Capacity

+ Hydraulic Lift Capacity

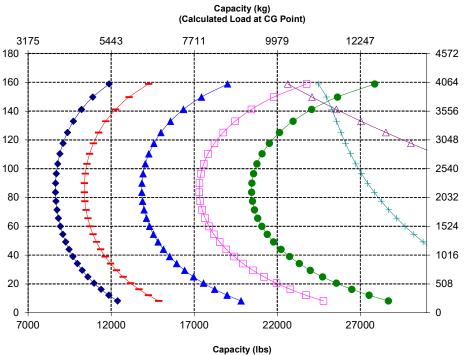
**NOTE:** Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

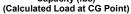
Hinge (B) Pin Height (in)

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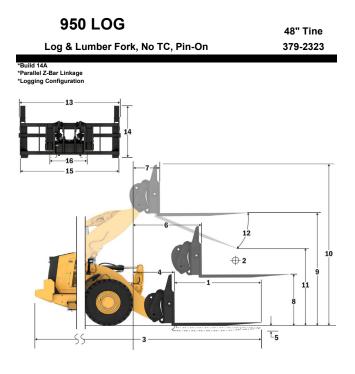


Hinge (B) Pin Height (mm)

48" Tine

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610 24.0
	Static Tipping Load - Straight (Forks Level)	kg	11263
		lbs kg	24823 9775
	Static Tipping Load - Articulated (Forks Level)	lbs	21545
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4888 10773
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5865 12927
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	7820 17236
3	Maximum Overall Length	mm in	8567 337.3
4	Reach with Forks at Ground Level	mm	1121 44.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
	5	in mm	-3.3 1667
6	Reach with Arms Horizontal and Forks Level	in	65.6
7	Reach with Fork at Maximum Height	mm in	930 36.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1848 72.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3809
		in mm	<u>150.0</u> 5345
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.4
11	Clearance at Full Lift and Max Dump	mm in	2698 106.2
12	Max Discharge Angle from Horizontal	deg	46
13	Overall Carriage Width	mm in	2470 97.3
14	Overall Carriage Height	mm	1601
45	Outside Tine Width (may annead)	in mm	63.0 2366
15	Outside Tine Width (max spread)	in	93.1
16	Outside Tine Width (min spread)	mm in	1002 39.4
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	65.0
		in kg	2.6 10500
	Tine Capacity	lbs	23142
	Operating Weight	kg Ibs	19031 41945
	*Negative velues indicate below grade		



\*Negative values indicate below grade

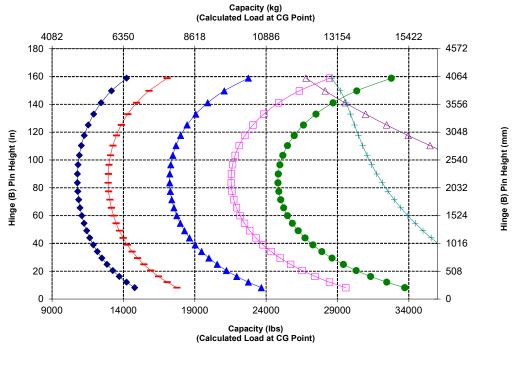
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terra
 Payload (CEN EN 474.3 - Rough Terra
 Payload (CEN EN 474.3 - Film & Lend)
 -6-Static Tryping Laad - Antiouted
 Static Tryping Laad - Straight
 -6-Yodraulce TIR Capacity
 -6-Yodraulce TIR Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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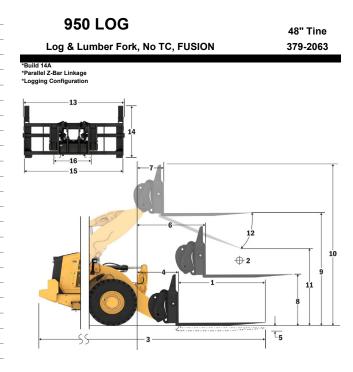
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#### **Fork Specifications**

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Otatia Tinging Lond - Otasight (Feeler Louel)	in kg	24.0 10594
	Static Tipping Load - Straight (Forks Level)	lbs	23350
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	9148 20161
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4574 10081
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5489 12097
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	7318 16129
3	Maximum Overall Length	mm in	8653 340.7
4	Reach with Forks at Ground Level	mm in	1207 47.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81 -3.2
6	Reach with Arms Horizontal and Forks Level	mm	1755 69.1
7	Reach with Fork at Maximum Height	mm	1018
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in mm	40.1 1850
		in mm	72.9 3811
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5350 210.6
11	Clearance at Full Lift and Max Dump	mm in	2572 101.3
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm in	2470 97.3
14	Overall Carriage Height	mm in	1603 63.1
15	Outside Tine Width (max spread)	mm	2366 93.1
16	Outside Tine Width (min spread)	mm	1002
-10		in	39.4
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg	10500
		lbs	23142
	Operating Weight	kg Ibs	19534 43054
	*Negative values indicate below grade		



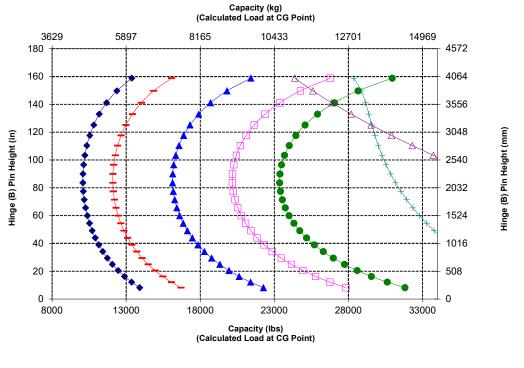
\*Negative values indicate below grade

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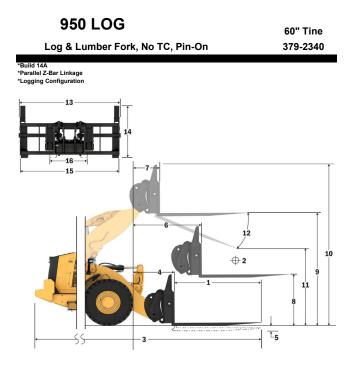
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in ka	30.0 10478
	Static Tipping Load - Straight (Forks Level)	lbs	23094
	Static Tipping Load - Articulated (Forks Level)	kg	9071
		lbs	19993
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4536 9996
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5443
		ka	11996 7257
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15994
3	Maximum Overall Length	mm	8915
		in	351.0
4	Reach with Forks at Ground Level	mm	1164
		in mm	<u>45.8</u> -83
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm	1692
	Reach with Aims Honzontal and Forks Level	in	66.6
7	Reach with Fork at Maximum Height	mm	955 37.6
		in mm	1873
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3834
		in	151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5345 210.4
		mm	2461
11	Clearance at Full Lift and Max Dump	in	96.9
12	Max Discharge Angle from Horizontal	deg	46
- 10		mm	2470
13	Overall Carriage Width	in	97.3
14	Overall Carriage Height	mm	1601
		in	63.0
15	Outside Tine Width (max spread)	mm in	2366 93.1
40	Outside Tine Width (min spread)	mm	1002
10		in	39.4
	Tine Width (single tine)	mm	180.0
		in mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	15906
	The Capacity	lbs	35057
	Operating Weight	kg	19232
		lbs	42388
	*Negative velues indicate below grade		



\*Negative values indicate below grade

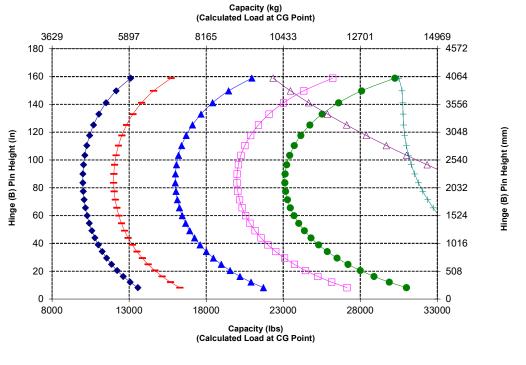
Payload (SAE J1197)
 Payload (CDN EN 474-3 - Rough Terra
 Payload (CDN EN 474-3 - Film & Level
 -Im-Static Typing Load - Anticulated
 Static Typing Load - Straight
 -Im-hydraulic LTR Capacity
 -Im-hydraulic LTR Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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#### **Fork Specifications**

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	9854 21718
	Static Tipping Load - Articulated (Forks Level)	kg	8486
	Static Tipping Load - Anticulated (FORS Level)	lbs	18702
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4243 9351
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5091
	, <b>,</b>	lbs	11221
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	6788 14962
3	Maximum Overall Length	mm	9007
		in	354.6 1256
4	Reach with Forks at Ground Level	mm in	49.5
-	*One was to Dettern of Time at Minimum Unight and Fash Lavel	mm	-81
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.2
6	Reach with Arms Horizontal and Forks Level	mm	1786
		in	70.3
7	Reach with Fork at Maximum Height	mm in	1049 41.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1875
	Ground to Top of The with Arms Honzontal and Fork Level	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3836 151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5347
	overall height of hork at hull Ent (top of carriage to ground)	in	210.5
11	Clearance at Full Lift and Max Dump	mm in	2315 91.1
12	Max Discharge Angle from Horizontal		50
12	Max Discharge Angle from Honzontal	deg	
13	Overall Carriage Width	mm in	2176 85.7
		mm	1601
14	Overall Carriage Height	in	63.0
15	Outside Tine Width (max spread)	mm	2084
		in mm	82.0 1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	( )	in mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	15906
		lbs	35057
	Operating Weight	kg	19715
	*Ne settine indicate below mede	lbs	43453

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#### \*Negative values indicate below grade

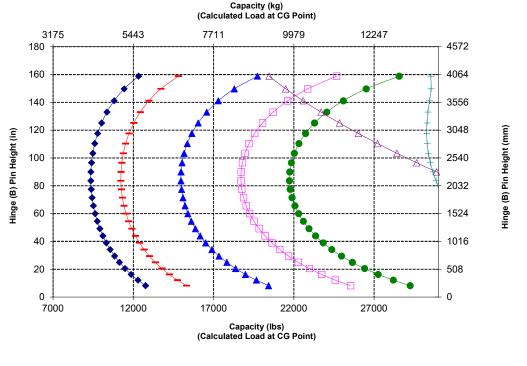
Payload (SAE J1197)
Payload (CEN EN 474-3 - Rough Terra
-a-Payload (CEN EN 474-3 - Firm & Leve
-O-Static Tipping Load - Articulated
Static Tipping Load - Straight
-A-Hydraulic Tilt Capacity

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 Fulids, Fuel Tank, Coolant, Lubricants, and Operator.

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

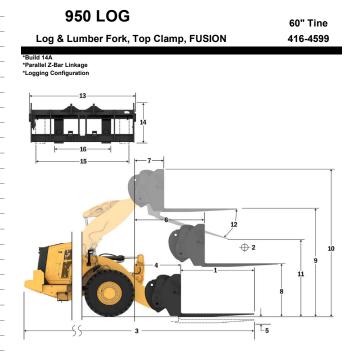
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and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

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#### Fork Specifications

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in kg	30.0 9703
	Static Tipping Load - Straight (Forks Level)	lbs	21385
	Static Tipping Load - Articulated (Forks Level)	kg	8353
		lbs kg	<u>18410</u> 4177
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9205
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5012 11046
		kg	6683
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14728
3	Maximum Overall Length	mm	9021
	0	in mm	355.2 1270
4	Reach with Forks at Ground Level	in	50.0
-	*Cround to Bottom of Ting at Minimum Height and Fark Loval	mm	-70
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.8
6	Reach with Arms Horizontal and Forks Level	mm	1826
		in mm	71.9
7	Reach with Fork at Maximum Height	in	42.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1860
-0	Ground to Top of The with Arns Honzontal and Fork Level	in	73.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3821 150.4
		mm	5336
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.1
11	Clearance at Full Lift and Max Dump	mm	2420
		in	95.3
12	Max Discharge Angle from Horizontal	deg	44
13	Overall Carriage Width	mm	2537
		in mm	<u>99.9</u> 1578
14	Overall Carriage Height	in	62.1
15	Outside Tine Width (max spread)	mm	2339
		in	92.1
16	Outside Tine Width (min spread)	mm in	742 29.2
		mm	203.2
	Tine Width (single tine)	in	8.0
	Tine Thickness	mm	63.5
		in	2.5 7170
	Tine Capacity	kg Ibs	15803
	Operating Weight	kg	19734
	Operating Weight	lbs	43494
	*Negative values indicate below grade		



\*Negative values indicate below grade

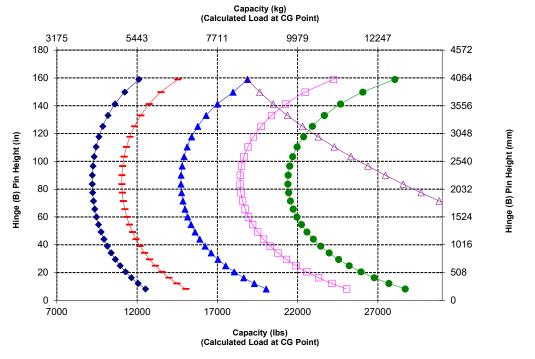
Payload (SAE J1197)
 Payload (SAE J1197)
 Payload (SAE N474.3 - Rough Terra
 Payload (SEN EN 474.3 - Rum & Level
 -g.-Static Typing Load - Antoniated
 Static Typing Load - Straight
 -d-Hydraulci TIK Capacity
 -d-Hydraulci LiCapacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

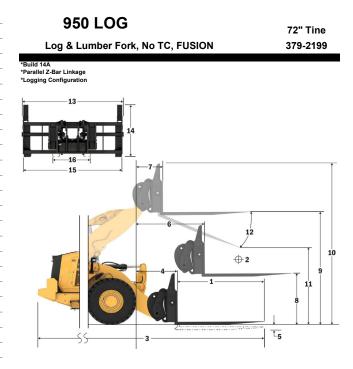
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#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
		in kg	36.0 9369
	Static Tipping Load - Straight (Forks Level)	lbs	20649
	Static Tipping Load - Articulated (Forks Level)	kg	8057
		lbs	17757
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4028 8879
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4834 10654
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	6445
		lbs	14206
3	Maximum Overall Length	mm in	9312 366.6
4	Reach with Forks at Ground Level	mm	1256
4	Reach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
	5	in mm	-3.2 1786
6	Reach with Arms Horizontal and Forks Level	in	70.3
7	Reach with Fork at Maximum Height	mm	1049
	Reach with ork at Maximum height	in	41.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1875 73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3836 151.0
		in mm	5350
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.6
11	Clearance at Full Lift and Max Dump	mm	2081
		in	81.9
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm in	2470 97.3
14	Overall Carriage Height	mm	1603
		in	63.1
15	Outside Tine Width (max spread)	mm in	2366 93.1
16	Outside Tine Width (min spread)	mm	1002
		in	39.4
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	12600 27770
	Operating Weight	kg	19797
	Operating Weight	lbs	43633
	The section contracts in the test of a large sector		



\*Negative values indicate below grade

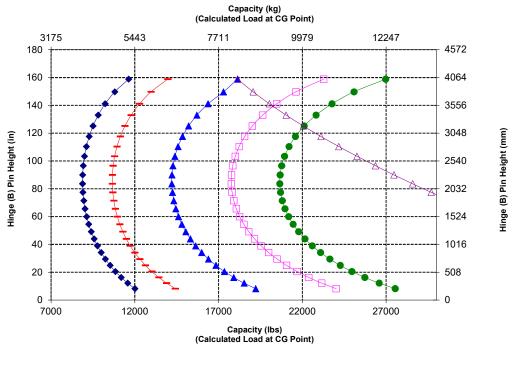
Payload (SAE J1197)
 Payload (SAE J1197)
 Payload (CEN EN 474-3 - Rough Ternal
 Payload (CEN EN 474-3 - Firm & Lewid)
 -B-Static Tipping Load - Articulated
 -Static Tipping Load - Articulated
 -B-Hydraulic Tit Capacity
 --Hydraulic LIB Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

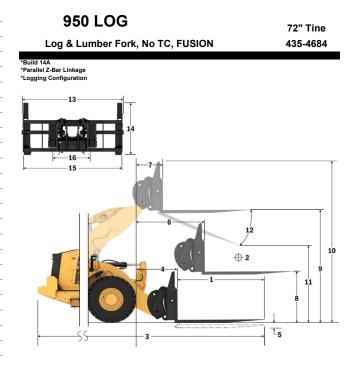
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#### **Fork Specifications**

	•		
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 Ibs	9364 20639
		kg	8055
	Static Tipping Load - Articulated (Forks Level)	lbs	17752
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4027
		lbs	8876
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4833 10651
	Detection and (OEN EN 474.2 Firms and Laural Original 2009/ ETOTIA)	ka	6444
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14202
3	Maximum Overall Length	mm	9312
		in	366.6
4	Reach with Forks at Ground Level	mm in	1256 49.4
		mm	-81
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.2
6	Reach with Arms Horizontal and Forks Level	mm	1786
		in	70.3
7	Reach with Fork at Maximum Height	mm	1049
		in mm	41.3 1875
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3836
	Glound to Top of The at Maximum Height and Fork Level	in	151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5347
		in mm	210.5 2081
11	Clearance at Full Lift and Max Dump	in	81.9
12	Max Discharge Angle from Horizontal		50
12		deg	
13	Overall Carriage Width	mm	2176
	Ū	in mm	85.7 1601
14	Overall Carriage Height	in	63.0
45	Outside Tine Width (may anned)	mm	2084
15	Outside Tine Width (max spread)	in	82.0
16	Outside Tine Width (min spread)	mm	1002
	, , , ,	in	39.4
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thislance	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12600
	- 1 - 2	lbs	27770
	Operating Weight	kg Ibs	19777 43589
		103	40000



\*Negative values indicate below grade

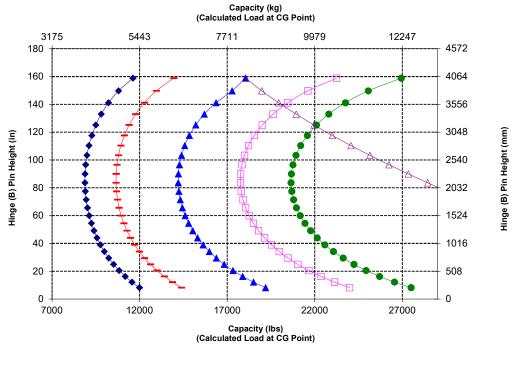
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terra
 Payload (CEN EN 474.3 - Rum & Level
 -0-State: Tryping Laad - Articulated
 -State: Tryping Laad - Articulated
 -State: Tryping Laad - Straigh
 --I-Hydradic Litt Capacity
 --I-Hydradic Litt Capacity

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 Fulids, Fuel Tank, Coolant, Lubricants, and Operator.

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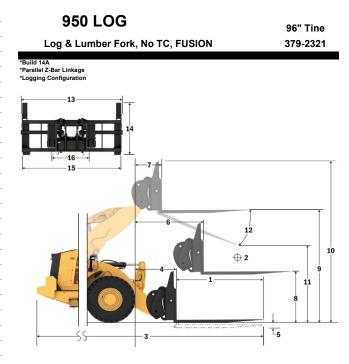
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#### **Fork Specifications**

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8487 18706
		kg	7280
	Static Tipping Load - Articulated (Forks Level)	lbs	16045
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3640
		lbs	8022
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4368 9627
	Deted Load (CEN EN 474.2 Firm and Lovel Cround 900/ ETETL)	ka	5824
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12836
3	Maximum Overall Length	mm	9922
	ů	in mm	390.6 1257
4	Reach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
	Ground to Bottom of The at Minimum Height and Fork Level	in	-3.2
6	Reach with Arms Horizontal and Forks Level	mm in	1787
		mm	70.3
7	Reach with Fork at Maximum Height	in	41.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1875
		in	73.8 3836
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	151.0
40	Oursell Uniobe of Fourier of Fourier of comissions to successful	mm	5350
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.6
11	Clearance at Full Lift and Max Dump	mm	1614
	· · · · · · · · · · · · · · · · · · ·	in	63.6
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2470
		in	97.3
14	Overall Carriage Height	mm in	1603 63.1
		mm	2366
15	Outside Tine Width (max spread)	in	93.1
16	Outside Tine Width (min spread)	mm	1002
	( 1 <i>)</i>	in	<u>39.4</u> 180.0
	Tine Width (single tine)	mm in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	10100
		lbs kg	22260 19925
	Operating Weight	lbs	43915
	*Negative values indicate below grade		



\*Negative values indicate below grade

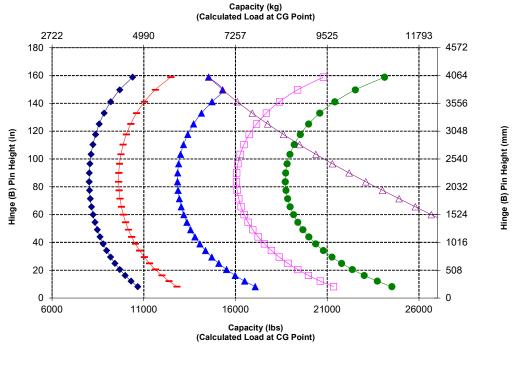
Payload (SAE J1197)
 Payload (SAE J1197)
 Payload (CEN EN 474-3 - Rough Terrail
 Payload (CEN EN 474-3 - Film & Level)
 -II-State: Tryping Laad - Articulated
 State: Tryping Laad - Straight
 -In-Indexid: TII Capacity
 -In-Indexid: Capacity

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 Fulids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

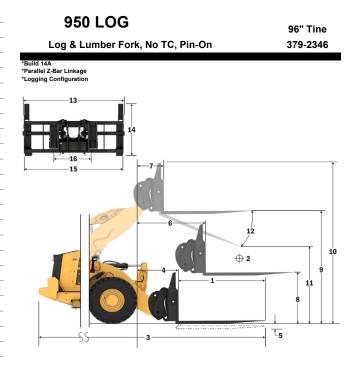
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#### **Fork Specifications**

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in	48.0 9004
	Static Tipping Load - Straight (Forks Level)	kg Ibs	9004 19846
	Static Tipping Load - Articulated (Forks Level)	kg	7769
		lbs kg	17123 3884
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8561
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4661 10274
		ka	6215
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13698
3	Maximum Overall Length	mm	9829
	5	in mm	387.0 1164
4	Reach with Forks at Ground Level	in	45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-83
	Ground to Bottom of The at Minimum Height and Fork Level	in	-3.3
6	Reach with Arms Horizontal and Forks Level	mm in	1692 66.6
-		mm	955
7	Reach with Fork at Maximum Height	in	37.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1873
		in mm	73.8 3834
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5345
	<b>o</b> (1 <b>o o</b> )	in mm	210.4 1805
11	Clearance at Full Lift and Max Dump	in	71.1
12	Max Discharge Angle from Horizontal	deg	46
		mm	2470
13	Overall Carriage Width	in	97.3
14	Overall Carriage Height	mm	1601
		in	63.0
15	Outside Tine Width (max spread)	mm in	2366 93.1
16	Outside Tine Width (min spread)	mm	1002
10		in	39.4
	Tine Width (single tine)	mm in	180.0 7.1
	The Thislance	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	10100
		lbs	22260
	Operating Weight	kg Ibs	19422 42807
		100	.2007



\*Negative values indicate below grade

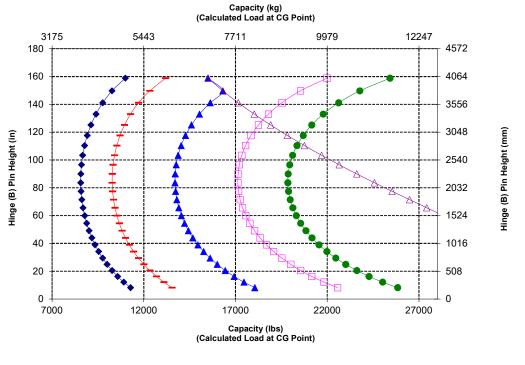
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terra
 Payload (CEN EN 474.3 - Rum & Level
 -0-State: Tryping Laad - Articulated
 -State: Tryping Laad - Articulated
 -State: Tryping Laad - Straigh
 --I-Hydradic Litt Capacity
 --I-Hydradic Litt Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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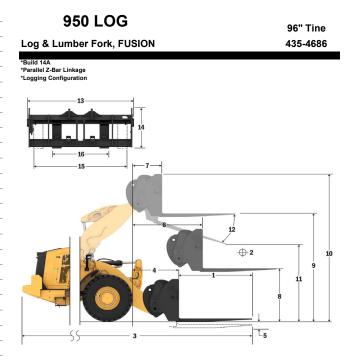
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8484 18699
	Static Tipping Load - Articulated (Forks Level)	kg	7279
	State Tipping Load - Anteniated (Forks Level)	lbs	16042
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3639 8021
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4367 9625
		kg	5823
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12834
•	Manimum Quantill an eth	mm	9922
3	Maximum Overall Length	in	390.6
4	Reach with Forks at Ground Level	mm	1257
-	Reach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-81
	Clound to Bottom of Third at Miniman Holght and Fork Eever	in	-3.2
6	Reach with Arms Horizontal and Forks Level	mm	1787
		in	70.3
7	Reach with Fork at Maximum Height	mm	1049
		in mm	41.3 1875
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.8
		mm	3836
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.0
40	Overall I I sight of Fault at Fault 14 (tag of comissions to provide)	mm	5347
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	210.5
11	Clearance at Full Lift and Max Dump	mm	1614
	Clearance at 1 di Litt and Max Dump	in	63.6
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2176
		in	85.7
14	Overall Carriage Height	mm	1601
		in	63.0
15	Outside Tine Width (max spread)	mm	2084 82.0
	,	in mm	1002
16	Outside Tine Width (min spread)	in	39.4
	T	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	10100
		lbs	22260
	Operating Weight	kg	19905
		lbs	43871
	*Negative values indicate below grade		



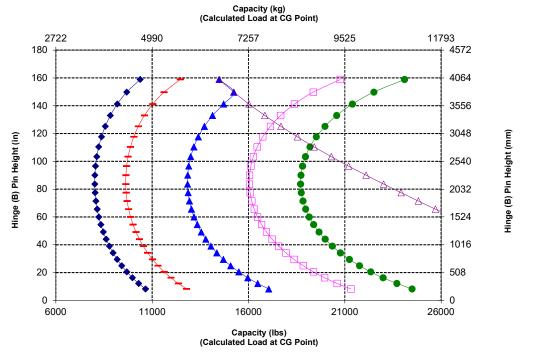
\*Negative values indicate below grade

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

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

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

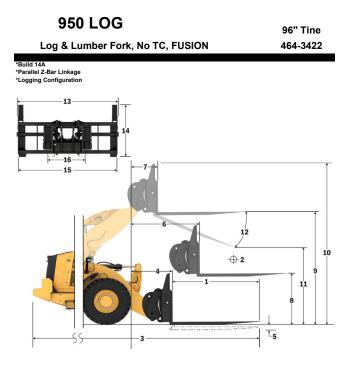
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in kg	48.0 8386
	Static Tipping Load - Straight (Forks Level)	lbs	18483
	Static Tipping Load - Articulated (Forks Level)	kg	7189
	11 0 ( )	lbs	<u>15844</u> 3594
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3594 7922
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4313
	, ,	lbs ka	9507 5751
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12675
3	Maximum Overall Length	mm	9954
	Maximum Overall Lengur	in	391.9
4	Reach with Forks at Ground Level	mm in	1289 50.7
-		mm	-89
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1813
		in mm	71.4 1076
7	Reach with Fork at Maximum Height	in	42.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1867
		in	73.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3828 150.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5262
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	207.2
11	Clearance at Full Lift and Max Dump	mm in	1782 70.2
40	May Discharge Angle from Harizantel		
12	Max Discharge Angle from Horizontal	deg	44
13	Overall Carriage Width	mm	2812
	-	in mm	110.7 1524
14	Overall Carriage Height	in	60.0
15	Outside Tine Width (max spread)	mm	2697
		in mm	106.2 1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	into tridui (origio uno)	in	7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg	10100
	The Capacity	lbs	22260
	Operating Weight	kg Ibs	19956 43984
	***	10.9	40304



\*Negative values indicate below grade

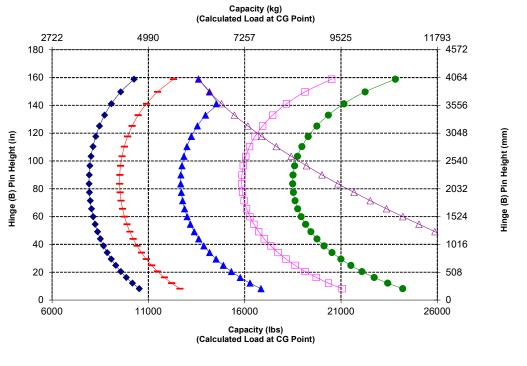
Payload (SAE J1197)
 Payload (CEN EN 474-3 - Rough Terra
 Payload (CEN EN 474-3 - Rum & Level
 -0-Static Topping Laad - Articulated
 Static Topping Laad - Straight
 -d-Hydraulci TII Capacity
 -d-Hydraulci TII Capacity

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 Fulids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

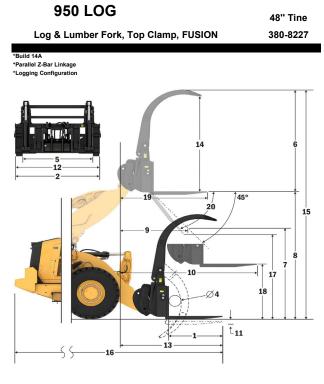
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### Fork Specifications

	•		
1	Tine length	mm	1219
	5	in	48.0
2	Fork width	mm	1893
		in	74.5
	End area	m2	1.45
	Inside Height	ft2	16
3		mm	0
	(only applies to double top clamp) Min. opening	in	0 325
4	(only applies to millyard forks)	mm	
		in	13 20468
	Operating Weight	kg Ibs	20466 45124
			1409
5	Distance inside of tine tips	mm in	55
	Static tipping load, articulated		8058
	Fork level	kg Ibs	17763.6
	Static tipping load, straight	kg	9467
	Fork level	lbs	20871.1
	Max. height of fork	mm	2932
6	(w/clamp open if applicable)	in	115.4
	Clearance w/full lift, 45 deg dump	mm	2535
7	(if max. dump <> 45)	in	2555 99.8
		mm	3732
8	Clearance @ full lift fork level	in	146.9
	Reach w/full lift, 45 deg dump	mm	1640
9	(if max. dump <> 45)	in	64.6
		mm	3125
10	Reach w/lift arm horizontal and fork level	in	123.0
	tons and the Bettern of Teal of Minimum Height and Teal Local	mm	-96
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	in	-3.8
40	14/2 July 42	mm	1769
12	Width over tines	in	69.6
42	Deaph @ ground lavel	mm	2595
15	Reach @ ground level	in	102
	Mana an aniana anna a dia an adalahara	mm	2635
14	Max. opening across tine and clamp	in	103.7
15	Overall height of fork @ full lift and	mm	6664
15	clamp open	in	262.3
16	Overall length	mm	8822
10	Tip of tine to rear of machine	in	347.3
17	Clearance @ full lift and max. dump	mm	2348
17	Discharge (if <> 45)	in	92.5
18	Clearance w/horizontal lift arms and	mm	1770.6
10	fork level	in	69.7
10	Reach @ full lift and fork level	mm	2387.5
19		in	94.0
20	Max, discharge angle from borizontal	deg	57
20	Max. discharge angle from horizontal	rad	1.0
	Tine Canacity	kg	14100
	The outputty	lbs	31076
	Tine Capacity *Negative values indicate below grade		



ow gi

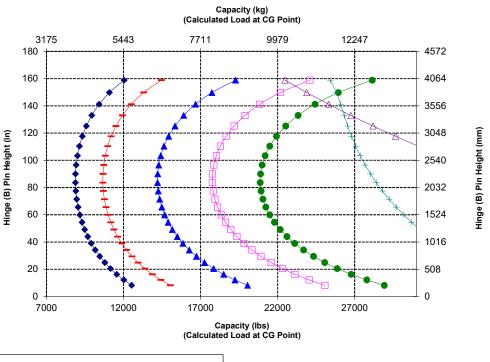
-Payload (CEN EN 474-3 - Rough Ter d (CEN EN 474-3 - Firm & Level -Static Tipping Load - Articulate -d-Hydraulic Tilt Capacity raulic Lift Car NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

-Payload (SAE J1197)

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

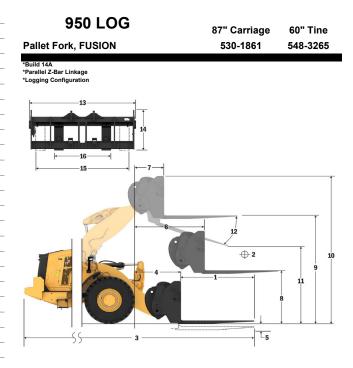
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and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

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#### **Fork Specifications**

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Static Tipping Load - Straight (Forks Level)	in kg	30.0 10212
	Static Tipping Load - Straight (Porks Level)	lbs	22506
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	8830 19461
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4415 9730
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5298 11676
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	7064 15568
3	Maximum Overall Length	mm	9009
	5	in mm	354.7 1258
4	Reach with Forks at Ground Level	in	49.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-160
	Ū	in mm	-6.3 1752
6	Reach with Arms Horizontal and Forks Level	in	69.0
7	Reach with Fork at Maximum Height	mm in	1014 39.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1772
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3733 147.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4508
	<b>o</b> (1 <b>o o</b> )	in mm	177.5 2365
11	Clearance at Full Lift and Max Dump	in	93.1
12	Max Discharge Angle from Horizontal	deg	46
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm	840
		in mm	33.1 2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
		mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm in	65.0 2.6
	Tino Conocity	kg	6300
	Tine Capacity	lbs	13885
	Operating Weight	kg Ibs	19410 42780
	*Negative values indicate below grade	100	.2100



\*Negative values indicate below grade

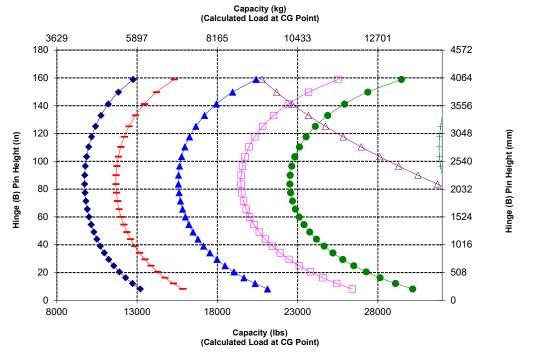
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terrai
 Payload (CEN EN 474.3 - Rim & Level)
 -g-.Rate: Toping Load - Antoxitet
 State: Toping Load - Straight
 -d-Hydraulc: TIR Capacity
 -d-Hydraulc: TIR Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

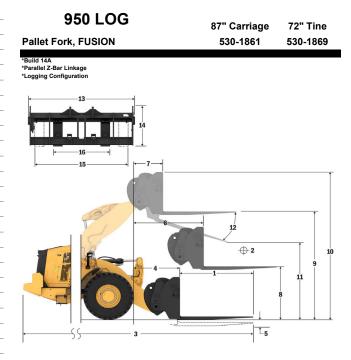
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
		in kg	36.0 9720
	Static Tipping Load - Straight (Forks Level)	lbs	21422
	Static Tipping Load - Articulated (Forks Level)	kg	8398
	11 0 ( )	lbs	18509
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4199 9255
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5039
		lbs	11106
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	6718 14808
_		mm	9315
3	Maximum Overall Length	in	366.7
4	Reach with Forks at Ground Level	mm	1258
		in mm	<u>49.5</u> -160
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-6.3
6	Reach with Arms Horizontal and Forks Level	mm	1752
	Reach with Annis Honzontal and Forks Level	in	69.0
7	Reach with Fork at Maximum Height	mm	1014
		in mm	39.9 1772
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	69.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3733
		in	147.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4508 177.5
11	Clearance at Full Lift and Max Dump	mm	2145
	Clearance at Full Lilt and Max Dump	in	84.5
12	Max Discharge Angle from Horizontal	deg	46
		mm	2217
13	Overall Carriage Width	in	87.3
14	Overall Carriage Height	mm	840
		in	<u>33.1</u> 2070
15	Outside Tine Width (max spread)	mm in	81.5
16	Outside Tine Width (min spread)	mm	470
-10		in	18.5
	Tine Width (single tine)	mm	150.0
		in mm	5.9 65.0
	Tine Thickness	in	2.6
	Tine Capacity	kg	5246
	····	lbs	11562
	Operating Weight	kg Ibs	19457 42884
	*Negative values indicate below grade	103	72004



\*Negative values indicate below grade

-Payload (SAE J1197) Payload (CEN EN 474-3 - Rough Terr ad (CEN EN 474-3 - Firm & Level -Static Tipping Load - A -Static Tipping Load - Straigh -A-Hydraulic Tilt 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.

Height (in)

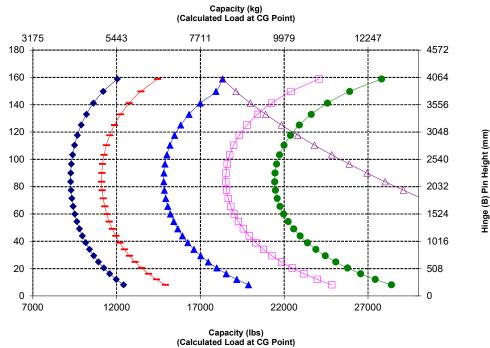
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**@** Hinge (

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

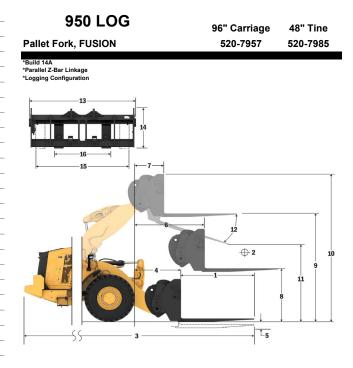
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	•		
1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
		in ka	24.0
	Static Tipping Load - Straight (Forks Level)	lbs	23112
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	9035 19913
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4518 9957
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5421 11948
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	7228 15931
3	Maximum Overall Length	mm in	8659 340.9
4	Reach with Forks at Ground Level	mm	1212
_		in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-79 -3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in	68.6
7	Reach with Fork at Maximum Height	mm in	1006 39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
		in mm	73.9 3838
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
	Oleanna at Full I & and Max Duran	in mm	192.1 2550
11	Clearance at Full Lift and Max Dump	in	100.4
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm	576
	(	in mm	22.7
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in kg	3.5 22200
	Tine Capacity	lbs	48929
	Operating Weight	kg	19719
		lbs	43461
	*Negative values indicate below grade		



\*Negative values indicate below grade

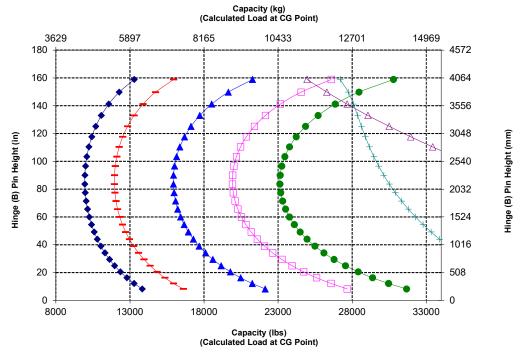
Poyoad (SAE J1197)
 Poyoad (CEN EN 474.3 - Rough Terrain
 Poyoad (CEN EN 474.3 - Rou & Level)
 -g-. Rate: Teprog Load - Articulated
 State: Teprog Load - Straight
 -d-Hydraulc: TB Capacity
 -d-Hydraulc: TB Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

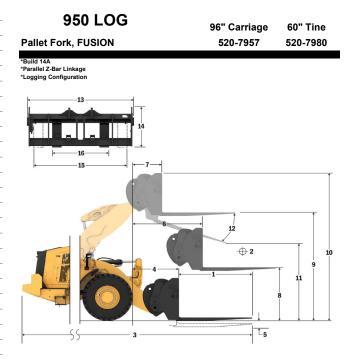
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	9944 21916
	Static Tipping Load - Articulated (Forks Level)	kg	8558
		lbs kg	18862 4279
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9431
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5135 11317
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6846
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FISIL)	lbs	15089
3	Maximum Overall Length	mm	8964
	C C	in mm	352.9 1213
4	Reach with Forks at Ground Level	in	47.7
5	*Cround to Bottom of Ting at Minimum Height and Fark Lovel	mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in mm	68.7 1007
7	Reach with Fork at Maximum Height	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	Globing to Top of The With Arms Honzontal and Tork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3838 151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
-10	overall height of Fork at Full Lift (top of carnage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm in	2309 90.9
12	Max Discharge Angle from Horizontal	deg	52
		mm	2528
13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
40	Outside Tine Width (min spread)	mm	576
10	Outside Tille Wildlif (mill spread)	in	22.7
	Tine Width (single tine)	mm	180.0 7.1
		in mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17800
	into capacity	lbs	39231
	Operating Weight	kg Ibs	19785 43607
	*Negative values indicate below grade		



\*Negative values indicate below grade

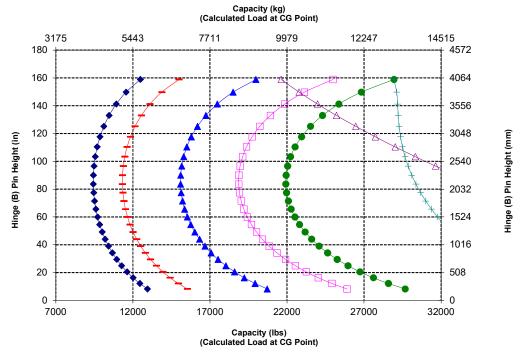
Phylad (SAE J1197)
 Phylad (SAE J1197)
 Phylad (CEN EN 474.3 - Rough Terrain
 Phylad (CEN EN 474.3 - Rom & Level)
 -g-Static Topor Load - Antolated
 Static Topor Load - Straight
 -d-hylarabic Till Capacity
 -d-hylarabic Till Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

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#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Static Tipping Load - Straight (Forks Level)	in kg	36.0 9446
	Static Tipping Load - Straight (Forks Level)	lbs	20819
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	8121 17898
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4060 8949
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4872 10739
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	6496 14318
3	Maximum Overall Length	mm in	9269 364.9
4	Reach with Forks at Ground Level	mm in	1213 47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-79 -3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744 68.7
7	Reach with Fork at Maximum Height	mm	1007 39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877 73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3838 151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878 192.1
11	Clearance at Full Lift and Max Dump	mm	2068 81.4
12	Max Discharge Angle from Horizontal	in deg	52
13	Overall Carriage Width	mm	2528
14	Overall Carriage Height	in mm	99.5 1130
	overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg Ibs	14800 32619
	Operating Weight	kg lbs	19846 43741
	*Negativa valuas indicate halaw grada	103	40741

950 LOG Pallet Fork, FUSION	96" Carriage 520-7957	72" Tine 520-7979
*Build 14A *Parallel Z-Bar Linkage *Logging Configuration		

\*Negative values indicate below grade

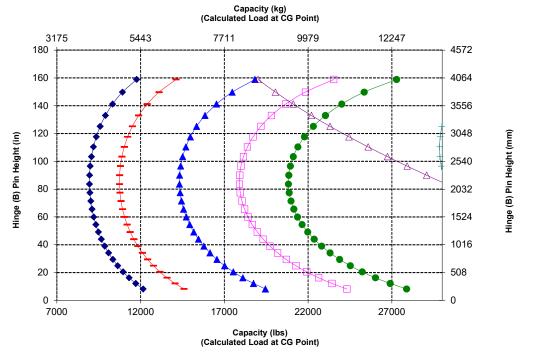
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terra
 Payload (CEN EN 474.3 - Rum & Level
 -g- Static Typing Load - Antoxiated
 Static Typing Load - Straight
 -d-Hydraulci Till Capacity
 -d-Hydraulci Till Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

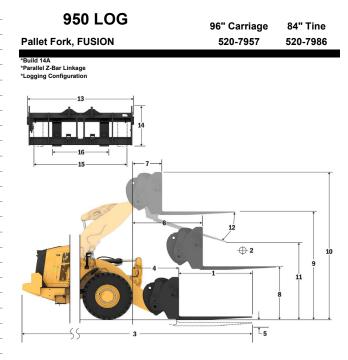
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	•		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8983 19799
	Static Tipping Load - Articulated (Forks Level)	kg	7713
	State hpping Load - Antoniated (1 6163 Level)	lbs	17000
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3857 8500
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4628 10200
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6170
		lbs	13600
3	Maximum Overall Length	mm	9574
		in mm	376.9 1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	Ground to Bottom of The at Minimum Height and Tork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm in	1744 68.7
-	Decelorith Fords at Maximum Ulainht	mm	1007
7	Reach with Fork at Maximum Height	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
		in mm	73.9 3838
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
	everal height of fork at full Ent (top of carnage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm in	1827 71.9
12	Max Discharge Angle from Horizontal	deg	52
		mm	2528
13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
40	Quitable Time Mildth (asia anno d)	mm	576
10	Outside Tine Width (min 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
		lbs	27991
	Operating Weight	kg	19909
		lbs	43880
	*Negative values indicate below grade		



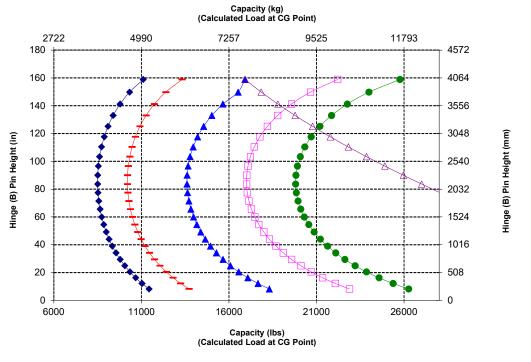
\*Negative values indicate below grade

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

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

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

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





#### **Fork Specifications**

	1 Tine Length	mm in	2438 96.0
_	2 Load Center	mm	1219
		in kg	48.0 8555
	Static Tipping Load - Straight (Forks Level)	lbs	18855
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	7336 16168
_	Rated Load (SAE J1197 - 50% FTSTL)	kg	3668
_	Rated Load (SAE J1197 - 50% F1S1L)	lbs	8084
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4401 9701
_	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5868
		lbs	12934
;	3 Maximum Overall Length	mm in	9878 388.9
_	4 Reach with Forks at Ground Level	mm	1213
_		in	47.7
1	5 *Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-79 -3.1
_	Reach with Arms Horizontal and Forks Level	mm	1744
_		in	68.7
	7 Reach with Fork at Maximum Height	mm in	1007 39.6
_	B Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
_		in mm	73.9 3838
1	9 Ground to Top of Tine at Maximum Height and Fork Level	in	151.1
1	0 Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
_	° († ° ° )	in mm	192.1 1587
1	1 Clearance at Full Lift and Max Dump	in	62.5
1	2 Max Discharge Angle from Horizontal	deg	52
1	3 Overall Carriage Width	mm	2528
_	•	in mm	99.5 1130
1	4 Overall Carriage Height	in	44.5
1	5 Outside Tine Width (max spread)	mm	2178
_		in mm	85.7 576
1	6 Outside Tine Width (min 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	11300
_		lbs	24905 19971
	Operating Weight	kg Ibs	44017
	*Negative values indicate below grade		

950 LOG	96" Carriage	96" Tine
Pallet Fork, FUSION	520-7957	520-7981
*Build 14A *Parallel Z-Bar Linkage *Logging Configuration		
		<b>t</b>
	⊕ 2 → 1 → 1 ↓ 12 ⊕ 2 ↓ 5	

\*Negative values indicate below grade

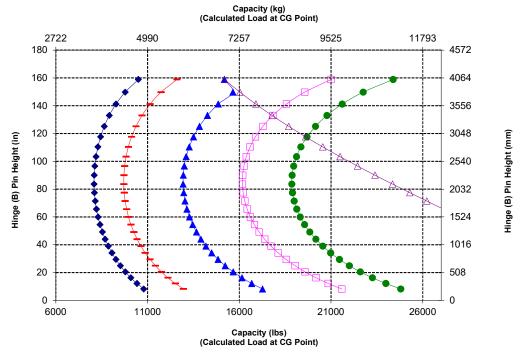
Poyload (SAE J1197)
 Poyload (CEN EN 474-3 - Rough Terra
 Poyload (CEN EN 474-3 - Rum & Level
 -g-:Batic Teprog Laad - Antoxited
 Static Teprog Laad - Straight
 -d--Hydraulci: TIE Capacity
 -d--Hydraulci: TIE Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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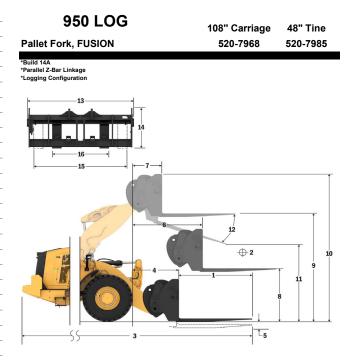
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	•		
1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
		in ka	24.0 10446
	Static Tipping Load - Straight (Forks Level)	lbs	23023
	Static Tipping Load - Articulated (Forks Level)	kg	8995
		lbs	19824
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4497 9912
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5397
	, ,	lbs ka	<u>11894</u> 7196
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15859
3	Maximum Overall Length	mm	8659
	Maximum Overall Length	in	340.9
4	Reach with Forks at Ground Level	mm in	1212 47.7
		mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in	68.6 1006
7	Reach with Fork at Maximum Height	mm in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	Ground to Top of The with Arms Honzontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3838 151.1
40	Oversell I I sight of Foul of Full I if (for of comission to proved)	mm	4878
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm in	2550 100.4
40	May Discharge Angle from University		
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2833
		in mm	<u>111.5</u> 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2493
	Outside The Width (max spread)	in	98.1
16	Outside Tine Width (min spread)	mm in	590 23.2
	$\mathbf{T}_{in} = \mathbf{M}(i   \mathbf{M}_{in}   \mathbf{f}_{in}   \mathbf{f}_{i$	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5 22200
	Tine Capacity	kg Ibs	48929
	Operating Weight	kg	19772
		lbs	43578
	*Negative values indicate below grade		



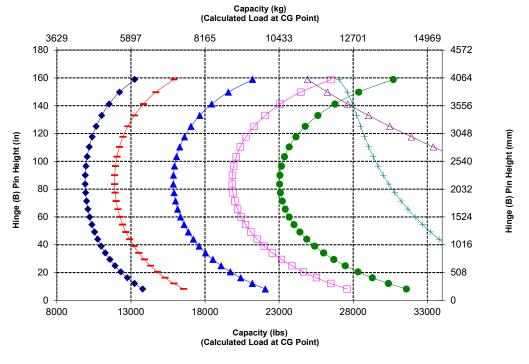
\*Negative values indicate below grade

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

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

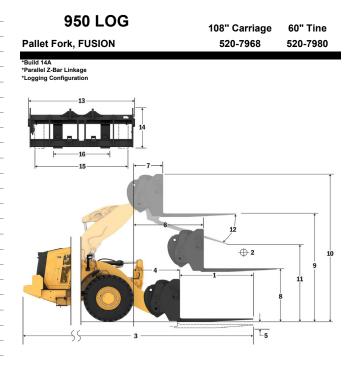
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and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

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#### Fork Specifications

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	9909 21839
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	8523 18784
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4261 9392
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5114 11271
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq lbs	6818 15028
3	Maximum Overall Length	mm in	8964 352.9
4	Reach with Forks at Ground Level	mm in	1213 47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79 -3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744 68.7
7	Reach with Fork at Maximum Height	mm	1007 39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877 73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3838 151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878 192.1
11	Clearance at Full Lift and Max Dump	mm in	2309 90.9
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm	180.0 7.1
	Tine Thickness	mm	90.0 3.5
	Tine Capacity	kg Ibs	17800 39231
	Operating Weight	kg lbs	19834 43715
	*Negative values indicate below grade	100	.0710



\*Negative values indicate below grade

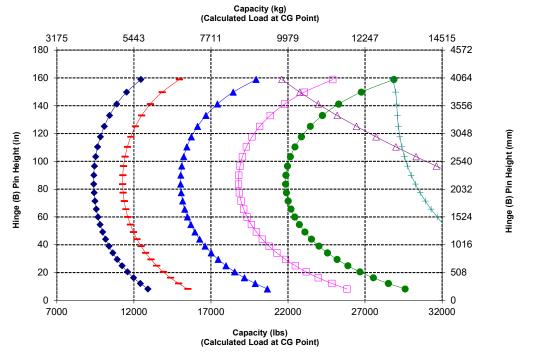
Poyoad (SAE J1197)
 Poyoad (CEN EN 474.3 - Rough Terrain
 Poyoad (CEN EN 474.3 - Rou & Level)
 -g-. Rate: Teprog Load - Articulated
 State: Teprog Load - Straight
 -d-Hydraulc: TB Capacity
 -d-Hydraulc: TB Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

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#### **Fork Specifications**

	•		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9412
		lbs kg	20743 8086
	Static Tipping Load - Articulated (Forks Level)	lbs	17822
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4043
	Raleu Loau (SAE J1197 - 50% F131L)	lbs	8911
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4852
	······································	lbs	10693
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	6469 14257
		mm	9269
3	Maximum Overall Length	in	364.9
	Beach with Ferlie at Cround Lavel	mm	1213
4	Reach with Forks at Ground Level	in	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-79
	Ground to Bottom of The at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in	68.7
7	Reach with Fork at Maximum Height	mm in	1007 39.6
		mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3838
9	Ground to rop of the at Maximum Height and Fork Level	in	151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
	overail height of heint at hair Eint (top of barnage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm	2068
	· · · · · · · · · · · · · · · · · · ·	in	81.4
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2833
-13		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
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	14800
		lbs	32619 19896
	Operating Weight	kg Ibs	43851
		105	40001
	*Nogativo voluos indicato bolow grado		

950 LOG Pallet Fork, FUSION	108" Carriage 520-7968	72" Tine 520-7979
*Build 14A *Parallel Z-Bar Linkage *Logging Configuration		
·۶۶з	↓ <sup>1</sup> 5	

\*Negative values indicate below grade

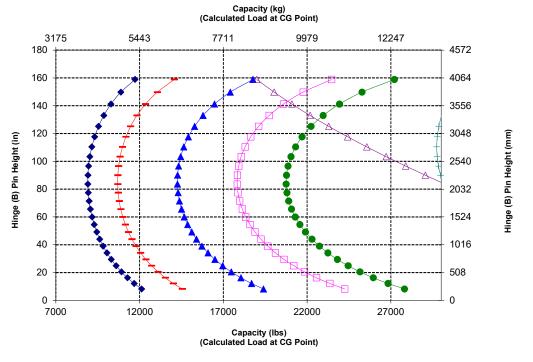
Poyload (SAE J1197)
 Poyload (CEN EN 474.3 - Rough Terrai
 Poyload (CEN EN 474.3 - Rum & Level)
 -g- Static Teprog Load - Antoniate
 Static Teprog Load - Straight
 -d-Hydraulic Till Capacity
 -d-Hydraulic Lill Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

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#### **Fork Specifications**

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in kg	42.0 8951
	Static Tipping Load - Straight (Forks Level)	lbs	19728
	Static Tipping Load - Articulated (Forks Level)	kg	7681
		lbs	16929 3840
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3640 8464
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4609
	· · · · · · · · · · · · · · · · · · ·	lbs	<u>10157</u> 6145
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	13543
3	Maximum Overall Length	mm	9574
		in	376.9
4	Reach with Forks at Ground Level	mm in	1213 47.7
-	*Cround to Pottom of Ting at Minimum Height and Fark Lovel	mm	-79
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm in	1744 68.7
-		mm	1007
7	Reach with Fork at Maximum Height	in	39.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1877
	· · · · · · · · · · · · · · · · · · ·	in mm	73.9 3838
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4878
	6 (1 6 6 )	in mm	<u>192.1</u> 1827
11	Clearance at Full Lift and Max Dump	in	71.9
12	Max Discharge Angle from Horizontal	deg	52
		mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	12700 27991
	Operating Weight	kg	19958
	Operating weight	lbs	43988
	*Negative values indicate below grade		

950 LOG Pallet Fork, FUSION	108'' Carriage 520-7968	84" Tine 520-7986	
*Build 14A *Parallel Z-Bar Linkage *Logging Configuration			

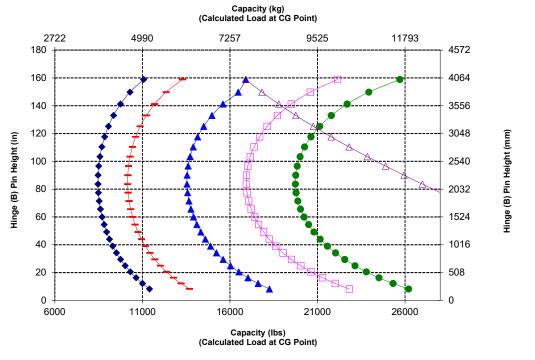
\*Negative values indicate below grade

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

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

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

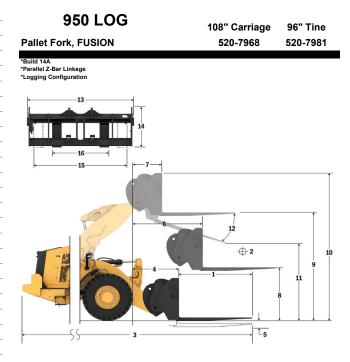
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	8523 18785
	Static Tipping Load - Articulated (Forks Level)	kg	7304
	Static Tipping Load - Anticulated (Forks Level)	lbs	16097
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3652 8049
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4382
		lbs ka	9658 5843
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12878
3	Maximum Overall Length	mm	9878
		in	388.9
4	Reach with Forks at Ground Level	mm	1213
		in mm	47.7
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.1
6	Reach with Arms Horizontal and Forks Level	mm	1744
		in	68.7
7	Reach with Fork at Maximum Height	mm in	1007 39.6
		mm	1877
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3838
		in mm	151.1 4878
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	192.1
11	Clearance at Full Lift and Max Dump	mm	1587
		in	62.5
12	Max Discharge Angle from Horizontal	deg	52
13	Overall Carriage Width	mm	2833
	oronali ouniago muun	in	111.5
14	Overall Carriage Height	mm in	1130 44.5
45	Outside Tine Width (may annoad)	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	( I )	in mm	23.2
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	11300 24905
		kg	20021
	Operating Weight	lbs	44127
	*Negative values indicate below grade		



\*Negative values indicate below grade

Payload (SAE J1137)
 Payload (SAE J1137)
 Payload (CEN EN 474.3 - Rough Terrat
 Payload (CEN EN 474.3 - Rum & Level)
 -@-Static Typing Laad - Antoxitet

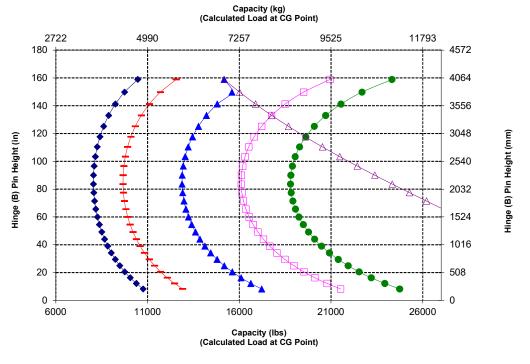
 -@-Static Typing Laad - Straight
 -d-Hydraulci T& Capacity
 -d-Hydraulci LC Capacity

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 Fulds, Fuel Tank, Coolant, Lubricants, and Operator.

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

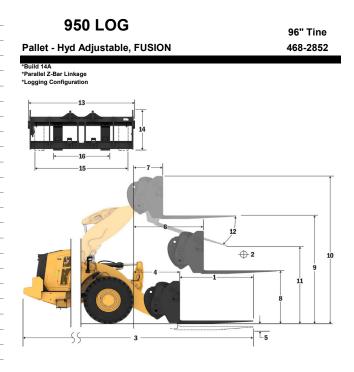
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and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

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#### **Fork Specifications**

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in kg	48.0 8244
	Static Tipping Load - Straight (Forks Level)	lbs	0244 18170
	Static Tipping Load - Articulated (Forks Level)	kg	7056
	11 0 ( )	lbs	15551 3528
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	3526 7775
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4233
	,	lbs	9331
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	5645 12441
3	Maximum Overall Length	mm	9984
	Maximum Overall Lengur	in	393.1
4	Reach with Forks at Ground Level	mm in	1319 51.9
-	*One and the Detterning of Time and Minimum Unight and Fault Laural	mm	-90
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	1843
		in mm	72.6
7	Reach with Fork at Maximum Height	in	43.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1867
		in	73.5 3828
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	150.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4896
	overall height of tork at t ull Lift (lop of carnage to ground)	in	192.7
11	Clearance at Full Lift and Max Dump	mm in	1513 59.6
12	Max Discharge Angle from Horizontal	deg	52
		0	
13	Overall Carriage Width	mm in	2542 100.1
14	Overall Carriage Height	mm	1158
14		in	45.6
15	Outside Tine Width (max spread)	mm in	2312
		mm	91.0 896
16	Outside Tine Width (min spread)	in	35.3
	Tine Width (single tine)	mm	180.0
		in mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	10100
	into oupdoty	lbs	22260
	Operating Weight	kg Ibs	20070 44235
	*Negative values indicate below grade		



\*Negative values indicate below grade

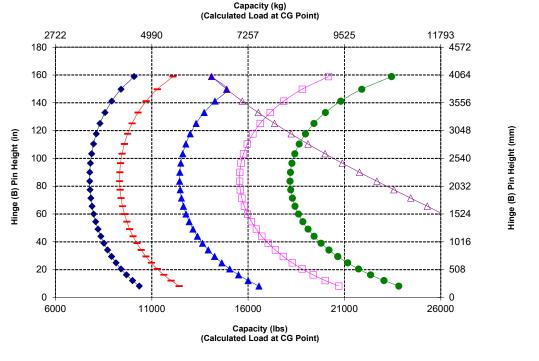
+ Hydraulic Lift Capacit

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 Fulds, 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.

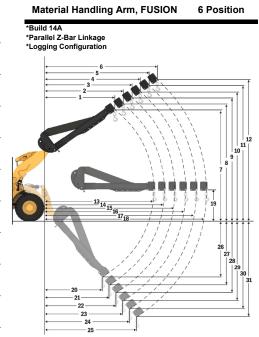
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





## **Material Handling Specifications**

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



950 LOG

289-9885

---Retracted

+Extension 1

-Extension 2

-Extension 3

-Extension 4

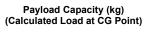
---Extended

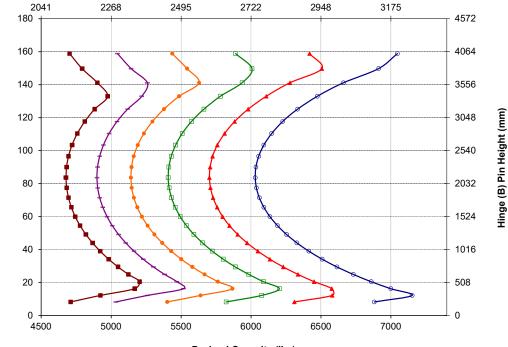
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1 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 (lbs) (Calculated Load at CG Point)



# **950** *Corrosion Resistant*

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

## **Proven Reliability**

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with diesel particulate filter (DPF), and diesel exhaust fluid (DEF) tank and pump.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

## **Durability**

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

## Achieve Greater Fuel Efficiency and Productivity

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

## **Safety Features**

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

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

## **Reduced Maintenance Time and Costs**

- Extended fluid and filter change intervals reduce maintenance costs by up to 30%.\*
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

## Work in Comfort in the All New Cab

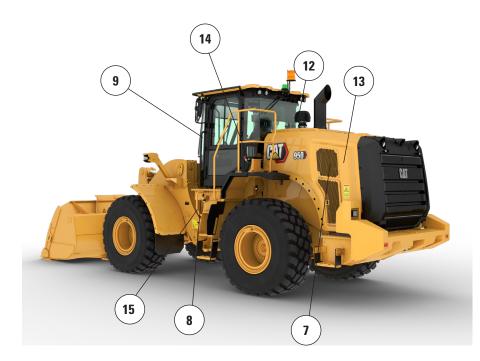
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s)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

## **950 Corrosion Resistant Specifications**

## **950 Corrosion Resistant Features**

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





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

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**.

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

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