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# 962 Wheel Loader

# **Technical Specifications**

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

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

Engine Model	Cat® C7.1		
Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standard			
equivalent to U.S. EPA Tier 3 and EU Stage IIIA.			
Engine Power @ 2,100 rpm	201 kW	269 hp	
ISO 14396:2002	273 hp (meta	ric)	
Gross Power @ 2,100 rpm	206 kW	276 hp	
SAE J1995:2014	280 hp (meta	ric)	
Net Power @ 2,100 rpm	187 kW	251 hp	
ISO 9249:2007, SAE J1349:2011	255 hp (metric)		
Engine Torque (1,400 rpm)	1245 N·m	918 lbf-ft	
ISO 14396:2002			
Gross Torque (1,400 rpm)	1266 N·m	933 lbf-ft	
SAE J1995:2014			
Net Torque (1,400 rpm)	1176 N·m	867 lbf-ft	
ISO 9249:2007, SAE J1349:2011			
Displacement	7.01 L		

- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and muffler.
- Cat engines are compatible with diesel fuel blended with the following lowercarbon intensity fuels\*\* up to:
- 100% biodiesel FAME (fatty acid methyl ester)\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

- \* For use of blends higher than 20% biodiesel, consult your Cat dealer.
- \*\* Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Engine Model	Cat C7.1	
Meets U.S. EPA Tier 4 Final, EU Stag	ge V, and Japan 20	014 emission
standards.		
Engine Power @ 2,100 rpm	201 kW	269 hp
ISO 14396:2002	273 hp (meta	ric)
Gross Power @ 2,100 rpm	203 kW	273 hp
SAE J1995:2014	277 hp (meta	ric)
Net Power @ 2,100 rpm	187 kW	251 hp
ISO 9249:2007, SAE J1349:2011	255 hp (meta	ric)
Engine Torque (1,400 rpm)	1245 N·m	918 lbf-ft
ISO 14396:2002		
Gross Torque (1,400 rpm)	1256 N·m	926 lbf-ft
SAE J1995:2014		
Net Torque (1,400 rpm)	1176 N·m	867 lbf-ft
ISO 9249:2007, SAE J1349:2011		
Displacement	7.01 L	

- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible\* with ULSD blended with the following lower-carbon intensity fuels\*\* up to:
- 20% biodiesel FAME (fatty acid methyl ester)\*\*\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

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

#### **Operating Specifications**

Static Tipping Load – Full 40° Turn		
With Tire Deflection	11 808 kg	26,032 lb
No Tire Deflection	12 565 kg	27,701 lb
Breakout Force	169 kN	37.993 lbf

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

#### **Buckets**

Bucket Capacities	$2.5-9.9 \text{ m}^3$	3.3-13.0 vd <sup>3</sup>

#### Weight

Operating Weight 19 043 kg 41,983 lb

Weight based on a machine configuration with Z-bar linkage,
 Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard
 counterweight, ride control, cold start, roading fenders, Product
 Link™, front manual differential/open rear axles, powertrain guard,
 secondary steering, sound suppression, and a 3.3 m³ (4.3 yd³) general
 purpose bucket with bolt-on cutting edges (BOCE).

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

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

#### **Air Conditioning System**

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

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a CO<sub>2</sub> equivalent of 2.288 metric tonnes (2.522 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.389 kg (3.1 lb) of refrigerant which has a  $\rm CO_2$  equivalent of 0.001 metric tonnes (0.001 tons).

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

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

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

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

Fuel Tank	259.5 L	68.6 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 meet ISO 3450:2011 standards		tandards

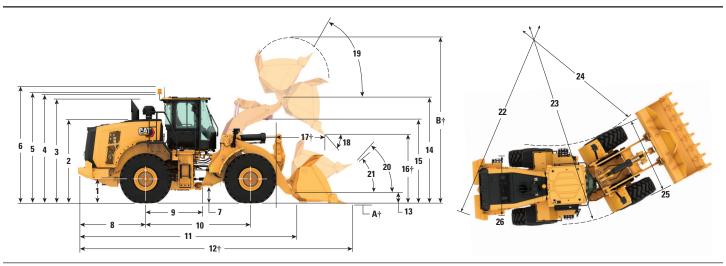
Axles		
Front	Fixed	
Rear	Oscillating ±13 degrees	

#### Cab

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

#### **Dimensions**

All dimensions are approximate.



		Standard Lift		High Lift	
1	Height to Axle Centerline	731 mm	2'4"	731 mm	2'4"
2	Height to Top of Hood	2692 mm	8'9"	2692 mm	8'9"
3	Height to Top of Exhaust Pipe	3405 mm	11'3"	3405 mm	11'3"
4	Height to Top of ROPS	3453 mm	11'4"	3453 mm	11'4"
5	Height to Top of Product Link Antenna	3460 mm	11'5"	3460 mm	11'5"
6	Height to Top of Warning Beacon	3733 mm	12'3"	3733 mm	12'3"
7	Ground Clearance	351 mm	1'1"	351 mm	1'1"
8	Centerline of Rear Axle to Edge of Counterweight	2077 mm	6'9"	2186 mm	7'2"
9	Centerline of Rear Axle to Hitch	1675 mm	5'6"	1675 mm	5'6"
10	Wheelbase	3350 mm	11'0"	3350 mm	11'0"
11	Overall Length (without bucket)	7052 mm	23'2"	7542 mm	24'9"
12	Shipping Length (with bucket level on ground)*†	8429 mm	27'8"	8911 mm	29'3"
13	Hinge Pin Height at Carry Height	660 mm	2'1"	744 mm	2'5"
14	Hinge Pin Height at Maximum Lift	4167 mm	13'8"	4473 mm	14'8"
15	Lift Arm Clearance at Maximum Lift	3604 mm	11'9"	3773 mm	12'4"
16	Dump Clearance at Maximum Lift and 45° Discharge*†	2993 mm	9'9"	3298 mm	10'9"
17	Reach at Maximum Lift and 45° Discharge*†	1305 mm	4'3"	1423 mm	4'8"
18	Dump Angle at Maximum Lift and Dump (on stops)*	52 deg	rees	49 degrees	
19	Rack Back at Maximum Lift*	60 deg	rees	65 degrees	
20	Rack Back at Carry Height*	49 deg	rees	54 degrees	
21	Rack Back at Ground*	40 degrees		45 degrees	
22	Clearance Circle (dia) to Counterweight	12 044 mm	39'7"	12 128 mm	39'10"
23	Clearance Circle (dia) to Outside of Tires	12 029 mm	39'6"	12 029 mm	39'6"
24	Clearance Circle (dia) to Inside of Tires	6379 mm	25"0"	6379 mm	25'0"
25	Width over Tires (unloaded)	2804 mm	9'3"	2804 mm	9'3"
	Width over Tires (loaded)	2825 mm	9'4"	2825 mm	9'4"
26	Tread Width	2140 mm	7'0"	2140 mm	7'0"

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

<sup>•</sup>All dimensions are approximate and based on machine equipped with 3.3 m³ (4.3 yd³) general purpose pin-on bucket with BOCE (see Operating Specifications for other buckets).

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

#### **Tire Options**

Tire Brand	Bridgestone	Michelin	Michelin	Michelin	Michelin
Tire Size	23.5R25	23.5R25	23.5R25	750/65R25	23.5R25
Tread Type	L-3	L-3	L-5	L-3	L-2
Tread Pattern	VJT	XHA2	XLD D2	XLD	XTLA
Width over Tires – Maximum (empty)*	2804 mm 9'3"	2823 mm 9'4"	2827 mm 9'4"	2942 mm 9'8"	2819 mm 9'3"
Width over Tires – Maximum (loaded)*	2825 mm 9'4"	2830 mm 9'4"	2837 mm 9'4"	2961 mm 9'9"	2821 mm 9'4"
Change in Vertical Dimensions (average of front and rear)		10 mm 0.4"	40 mm 1.6"	15 mm 0.6"	12 mm 0.5"
Change in Horizontal Reach		-6 mm -0.2"	-31 mm -1.2"	5 mm 0.2"	-7 mm -0.3"
Change in Clearance Circle to Outside of Tires		4 mm 0.2"	11 mm 0.4"	135 mm 5.3"	-4 mm -0.2"
Change in Clearance Circle to Inside of Tires		-4 mm -0.2"	-11 mm -0.4"	-135 mm -5.3"	4 mm 0.2"
Change in Operating Weight (without ballast)		-156 kg -344 lb	500 kg 1103 lb	633 kg 1395 lb	-192 kg -423 lb
Change in Static Tipping Load – Straight		-99 kg -218 lb	318 kg 700 lb	402 kg 886 lb	-122 kg -269 lb
Change in Static Tipping Load – Articulated		-87 kg -191 lb	278 kg 612 lb	351 kg 774 lb	-107 kg -235 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±8 degrees	±8 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	481 mm 1'7"	481 mm 1'7"	298 mm 1'0"	298 mm 1'0"	481 mm 1'7"

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

Tire Brand	Michelin	Bridgestone	Bridgestone	Bridgestone	Bridgestone
Tire Size	23.5R25	23.5R25	23.5R25	23.5R25	23.5-25
Tread Type	L–2	L-2	L-2	L-5	L-3
Tread Pattern	XSNO	VUT	VSW	VSDL	VL2
Width over Tires – Maximum (empty)*	2839 mm	2832 mm	2810 mm	2791 mm	2773 mm
	9'4"	9'4"	9'3"	9'2"	9'2"
Width over Tires – Maximum (loaded)*	2843 mm	2822 mm	2824 mm	2806 mm	2792 mm
	9'4"	9'4"	9'4"	9'3"	9'2"
Change in Vertical Dimensions (average of front and rear)	9 mm	0 mm	11 mm	66 mm	20 mm
	0.3"	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	-4 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	4 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	1544 lb	-591 lb
Change in Static Tipping Load – Straight	-91 kg	-76 kg	-38 kg	445 kg	-170 kg
	-202 lb	-168 lb	-84 lb	980 lb	-375 lb
Change in Static Tipping Load – Articulated	-80 kg	-67 kg	-33 kg	389 kg	-149 kg
	-176 lb	-147 lb	-73 lb	857 lb	-328 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±8 degrees	±8 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	481 mm	481 mm	298 mm	298 mm	481 mm
	1'7"	1'7"	1'0"	1'0"	1'7"

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

#### **Tire Options**

Tire Brand	BRIDGESTONE	FIRESTONE	MAXAM	MAXAM	MAXAM
Tire Size	750/65R25	23.5-25	23.5R25	23.5R25	23.5R25
Tread Type	L-3	L-5	L-2	L-2	L-3
Tread Pattern	VTS	SDT LD	MS202	MS203	MS302
Width over Tires – Maximum (empty)*	2935 mm	2779 mm	2816 mm	2817 mm	2825 mm
	9'8"	9'2"	9'3"	9'3"	9'4"
Width over Tires – Maximum (loaded)*	2953 mm	2801 mm	2830 mm	2825 mm	2829 mm
	9'9"	9'3"	9'4"	9'4"	9'4"
Change in Vertical Dimensions (average of front and rear)	20 mm	63 mm	12 mm	-2 mm	14 mm
	0.8"	2.5"	0.5"	-0.1"	0.6"
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	-1 mm	4 mm
	5"	-1"	0.2"	0"	0.1"
Change in Clearance Circle to Inside of Tires	-128 mm	24 mm	-5 mm	1 mm	-4 mm
	-5"	1"	-0.2"	0"	-0.1"
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	468 kg	318 kg	-20 kg	-119 kg	0 kg
	1,032 lb	700 lb	-45 lb	-263 lb	0 lb
Change in Static Tipping Load – Articulated	409 kg	278 kg	-18 kg	-104 kg	0 kg
	902 lb	612 lb	-39 lb	-230 lb	0 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-Wheel Rise and Fall	298 mm	298 mm	481 mm	481 mm	481 mm
	1'0"	1'0""	1'7"	1'7"	1'7"

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

Tire Brand	MAXAM	TRIANGLE	TRIANGLE	BRAWLER	BRAWLER
Tire Size	23.5R25	23.5-25	23.5R25	23.5X25	23.5X25
Tread Type	L-5	L-3	L-3		
Tread Pattern	MS503	TL612	TB516	Smooth	Traction
Width over Tires – Maximum (empty)*	2783 mm 9'2"	2784 mm 9'2"	2792 mm 9'2"	2140 mm 7'1"	2140 mm 7'1"
Width over Tires – Maximum (loaded)*	2804 mm 9'3"	2812 mm 9'3"	2804 mm 9'3"	2140 mm 7'1"	2140 mm 7'1"
Change in Vertical Dimensions (average of front and rear)	59 mm 2.3"	2 mm 0.1"	43 mm 1.7"	68 mm 2.7"	68 mm 2.7"
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	-22 mm -0.9"	-13 mm -0.5"	-21 mm -0.8"	-685 mm -27.0"	-685 mm -27.0"
Change in Clearance Circle to Inside of Tires	22 mm 0.9"	13 mm 0.5"	21 mm 0.8"	685 mm 27.0"	685 mm 27.0"
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	300 kg 661 lb	-366 kg -806 lb	-302 kg -665 lb		
Change in Static Tipping Load – Articulated	262 kg 578 lb	-319 kg -703 lb	-263 kg -580 lb		
Rear Axle Oscillation Angle	±8 degrees	±13 degrees	±13 degrees	±8 degrees	±8 degrees
Maximum Single-Wheel Rise and Fall	298 mm 1'0"	481 mm 1'7"	481 mm 1'7"	298 mm 1'0"	298 mm 1'0"

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

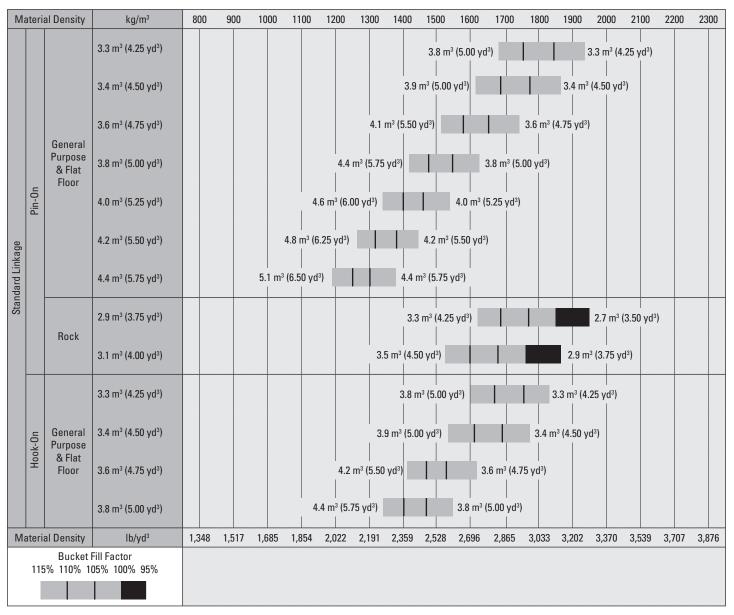
#### **Bucket Fill Factors and Selection Guide**

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

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

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

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



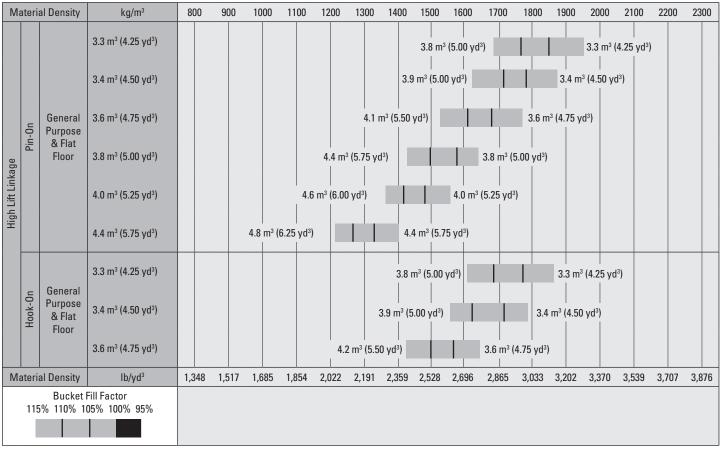
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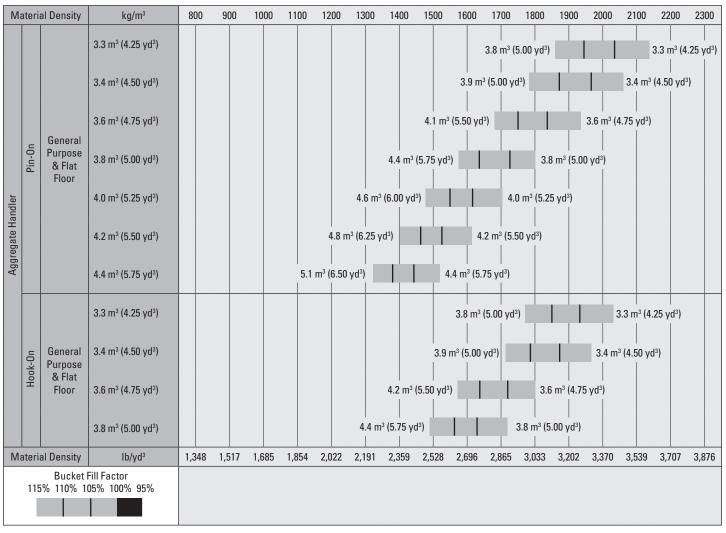
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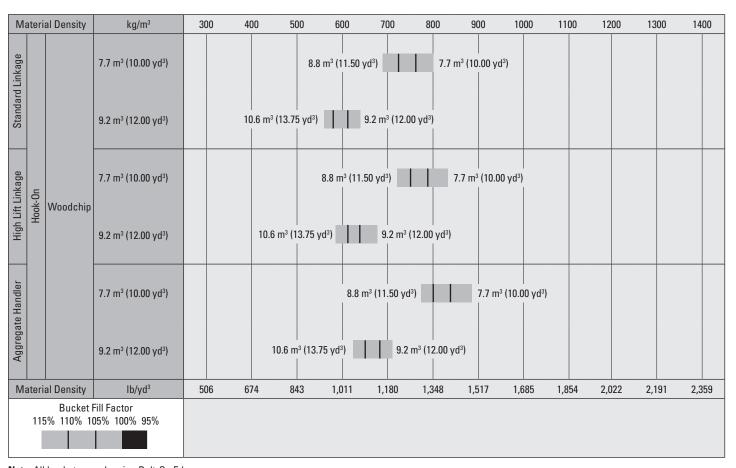
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Sand and Gravel		115	1.5-1.7
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	19 mm (0.75 in) and smaller	105	1.8
Rock:	76 mm (3 in) and larger	100	1.6

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

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



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

Linkage				Standard	Linkage		
Bucket Type				General Purp	ose – Pin-On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	3.30	3.30	3.40	3.40	3.60	3.60
	$yd^3$	4.25	4.25	4.50	4.50	4.75	4.75
Capacity – Rated at 110% Fill Factor	$m^3$	3.60	3.60	3.70	3.70	4.00	4.00
	$yd^3$	4.75	4.75	4.75	4.75	5.25	5.25
Width	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
<b>16</b> † Dump Clearance at Maximum Lift	mm	2992	2874	2966	2847	2920	2801
and 45° Discharge	ft/in	9'9"	9'5"	9'8"	9'4"	9'6"	9'2"
17† Reach at Maximum Lift and	mm	1305	1415	1327	1437	1363	1473
45° Discharge	ft/in	4'3"	4'7"	4'4"	4'8"	4'5"	4'10"
Reach at Level Lift Arm and	mm	2783	2944	2818	2979	2878	3039
Bucket Level	ft/in	9'1"	9'7"	9'2"	9'9"	9'5"	9'11"
A† Digging Depth	mm	105	105	105	105	105	105
	in	4.1"	4.1"	4.1"	4.1"	4.1"	4.1"
12† Overall Length	mm	8429	8603	8464	8638	8524	8698
· ·	ft/in	27'8"	28'3"	27'10"	28'5"	28'0"	28'7"
<b>B</b> † Overall Height with Bucket at	mm	5675	5675	5704	5704	5762	5762
Maximum Lift	ft/in	18'8"	18'8"	18'9"	18'9"	18'11"	18'11"
Loader Clearance Circle Radius	mm	6755	6838	6765	6849	6782	6867
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'3"	22'6"	22'4"	22'7"
Static Tipping Load, Straight	kg	13 742	13 602	13 678	13 538	13 557	13 417
(With tire deflection)	lb	30,296	29,989	30,155	29,847	29,890	29,579
Static Tipping Load, Straight	kg	14 492	14 352	14 430	14 289	14 312	14 170
(No tire deflection)	lb	31,951	31,640	31,814	31,502	31,554	31,240
Static Tipping Load,	kg	11 808	11 668	11 747	11 608	11 634	11 493
Articulated (With tire deflection)	lb	26,032	25,725	25,899	25,591	25,649	25,338
Static Tipping Load, Articulated	kg	12 564	12 424	12 506	12 364	12 395	12 253
(No tire deflection)	lb	27,700	27,390	27,571	27,260	27,326	27,013
Breakout Force(§)	kN	169	168	164	163	157	156
	lbf	38,080	37,815	37,030	36,766	35,340	35,077
Operating Weight*	kg	19 043	19 151	19 073	19 181	19 131	19 239
	lb	41,983	42,221	42,049	42,287	42,177	42,415

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

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

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

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

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

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

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

Linkage	nge Standard Linkage				
Bucket Type		Ge	neral Purpose – Pin-On – Abras	ion	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	$m^3$	3.80	4.00	4.20	
	$yd^3$	5.00	5.25	5.50	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.20	4.40	4.60	
	yd³	5.50	5.75	6.00	
Width	mm	2994	2994	2994	
	ft/in	9'9"	9'9"	9'9"	
6† Dump Clearance at Maximum Lift	mm	2892	2862	2830	
and 45° Discharge	ft/in	9'5"	9'4"	9'3"	
7† Reach at Maximum Lift and	mm	1378	1404	1435	
45° Discharge	ft/in	4'6"	4'7"	4'8"	
Reach at Level Lift Arm and	mm	2909	2949	2994	
Bucket Level	ft/in	9'6"	9'8"	9'9"	
A† Digging Depth	mm	110	110	110	
	in	4.3"	4.3"	4.3"	
2† Overall Length	mm	8559	8599	8644	
· -	ft/in	28'1"	28'3"	28'5"	
B† Overall Height with Bucket at	mm	5788	5828	5868	
Maximum Lift	ft/in	19'0"	19'2"	19'4"	
Loader Clearance Circle Radius	mm	6823	6835	6849	
with Bucket at Carry Position	ft/in	22'5"	22'6"	22'6"	
Static Tipping Load, Straight	kg	13 398	13 318	13 226	
(With tire deflection)	lb	29,539	29,362	29,159	
Static Tipping Load, Straight	kg	14 154	14 076	13 986	
(No tire deflection)	lb	31,205	31,032	30,833	
Static Tipping Load,	kg	11 478	11 402	11 315	
Articulated (With tire deflection)	lb	25,306	25,138	24,946	
Static Tipping Load, Articulated	kg	12 240	12 166	12 081	
(No tire deflection)	lb	26,985	26,822	26,634	
Breakout Force(§)	kN	152	148	143	
	lbf	34,377	33,363	32,279	
Operating Weight*	kg	19 247	19 287	19 333	
	lb	42,433	42,521	42,622	

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

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

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

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

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

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

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

Linkage		Standard Linkage			
Bucket Type		General Purpose –	Hook-On — Fusion™		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	$m^3$	3.40	3.40		
	$yd^3$	4.50	4.50		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70		
	$yd^3$	4.75	4.75		
Width	mm	2927	2994		
	ft/in	9'7"	9'9"		
16† Dump Clearance at Maximum Lift	mm	2924	2805		
and 45° Discharge	ft/in	9'7"	9'2"		
17† Reach at Maximum Lift and	mm	1363	1473		
45° Discharge	ft/in	4'5"	4'10"		
Reach at Level Lift Arm and	mm	2873	3034		
Bucket Level	ft/in	9'5"	9'11"		
A† Digging Depth	mm	113	113		
	in	4.4"	4.4"		
2† Overall Length	mm	8525	8698		
	ft/in	28'0"	28'7"		
<b>B</b> † Overall Height with Bucket at	mm	5723	5723		
Maximum Lift	ft/in	18'10"	18'10"		
Loader Clearance Circle Radius	mm	6781	6866		
with Bucket at Carry Position	ft/in	22'3"	22'7"		
Static Tipping Load, Straight	kg	13 059	12 920		
(With tire deflection)	1b	28,791	28,484		
Static Tipping Load, Straight	kg	13 798	13 657		
(No tire deflection)	1b	30,420	30,110		
Static Tipping Load,	kg	11 157	11 017		
Articulated (With tire deflection)	lb	24,597	24,290		
Static Tipping Load, Articulated	kg	11 902	11 761		
(No tire deflection)	lb	26,240	25,930		
Breakout Force(§)	kN	157	156		
	lbf	35,422	35,157		
Operating Weight*	kg	19 552	19 660		
	-				

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

43,105

lb

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

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

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

43,343

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

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

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

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

Linkage		Standard Linkage			
Bucket Type		General Purpose – Hoo	k-On – Fusion – Abrasion		
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	m <sup>3</sup>	3.30	3.60		
	$yd^3$	4.25	4.75		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.60	4.00		
	$yd^3$	4.75	5.25		
Width	mm	2958	2956		
	ft/in	9'8"	9'8"		
6† Dump Clearance at Maximum Lift	mm	2950	2875		
and 45° Discharge	ft/in	9'8"	9'5"		
<b>7</b> † Reach at Maximum Lift and	mm	1341	1403		
45° Discharge	ft/in	4'4"	4'7"		
Reach at Level Lift Arm and	mm	2838	2937		
Bucket Level	ft/in	9'3"	9'7"		
A† Digging Depth	mm	113	112		
	in	4.4"	4.4"		
2† Overall Length	mm	8491	8590		
	ft/in	27'11"	28'3"		
3† Overall Height with Bucket at	mm	5694	5800		
Maximum Lift	ft/in	18'9"	19'1"		
Loader Clearance Circle Radius	mm	6784	6818		
with Bucket at Carry Position	ft/in	22'4"	22'5"		
Static Tipping Load, Straight	kg	13 029	12 802		
(With tire deflection)	lb	28,724	28,224		
Static Tipping Load, Straight	kg	13 766	13 536		
(No tire deflection)	lb	30,349	29,843		
Static Tipping Load,	kg	11 123	10 913		
Articulated (With tire deflection)	lb	24,523	24,059		
Static Tipping Load, Articulated	kg	11 867	11 654		
(No tire deflection)	lb	26,163	25,694		
Breakout Force (§)	kN	161	149		
	lbf	36,225	33,608		
Operating Weight*	kg	19 603	19 689		
-	lb	43,216	43,407		

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

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

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

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

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

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

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

Linkage				Standard Linkage		
Bucket Type			Flat Floo	or – Pin-On		Flat Floor – Pin-On – Light Material
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.80	3.80	4.40
	$yd^3$	4.50	4.50	5.00	5.00	5.75
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.70	4.20	4.20	4.80
•	$yd^3$	4.75	4.75	5.50	5.50	6.25
Width	mm	2927	2994	2927	2994	3059
	ft/in	9'7"	9'9"	9'7"	9'9"	10'0"
16† Dump Clearance at Maximum Lift	mm	2896	2771	2818	2692	2763
and 45° Discharge	ft/in	9'6"	9'1"	9'2"	8'10"	9'0"
17† Reach at Maximum Lift and	mm	1247	1349	1325	1427	1369
45° Discharge	ft/in	4'1"	4'5"	4'4"	4'8"	4'5"
Reach at Level Lift Arm and	mm	2828	2989	2939	3100	3009
Bucket Level	ft/in	9'3"	9'9"	9'7"	10'2"	9'10"
A† Digging Depth	mm	113	113	113	113	121
	in	4.4"	4.4"	4.4"	4.4"	4.7"
12† Overall Length	mm	8480	8653	8591	8764	8667
3	ft/in	27'10"	28'5"	28'3"	28'10"	28'6"
<b>B</b> † Overall Height with Bucket at	mm	5714	5714	5813	5813	5891
Maximum Lift	ft/in	18'9"	18'9"	19'1"	19'1"	19'4"
Loader Clearance Circle Radius	mm	6771	6855	6804	6888	6887
with Bucket at Carry Position	ft/in	22'3"	22'6"	22'4"	22'8"	22'8"
Static Tipping Load, Straight	kg	13 530	13 391	13 328	13 188	13 059
(With tire deflection)	lb	29,829	29,522	29,384	29,074	28,791
Static Tipping Load, Straight	kg	14 266	14 126	14 071	13 929	13 804
(No tire deflection)	lb	31,453	31,143	31,022	30,709	30,433
Static Tipping Load,	kg	11 619	11 480	11 428	11 287	11 170
Articulated (With tire deflection)	lb	25,615	25,309	25,194	24,884	24,625
Static Tipping Load, Articulated	kg	12 362	12 222	12 177	12 035	11 921
(No tire deflection)	lb	27,254	26,945	26,847	26,533	26,282
Breakout Force(§)	kN	163	162	150	148	141
	lbf	36,711	36,446	33,738	33,475	31,887
Operating Weight*	kg	19 078	19 186	19 180	19 288	19 336
	lb	42,060	42,298	42,285	42,523	42,629

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

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

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

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

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

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

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

Linkage		Standard Linkage		
Bucket Type		Flat Floor – Hoo	ok-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	3.80	3.80	
	$yd^3$	5.00	5.00	
Capacity – Rated at 110% Fill Factor	$m^3$	4.20	4.20	
	$yd^3$	5.50	5.50	
Width	mm	2927	2994	
	ft/in	9'7"	9'9"	
<b>16</b> † Dump Clearance at Maximum Lift	mm	2783	2658	
and 45° Discharge	ft/in	9'1"	8'8"	
17† Reach at Maximum Lift and	mm	1360	1462	
45° Discharge	ft/in	4'5"	4'9"	
Reach at Level Lift Arm and	mm	2988	3149	
Bucket Level	ft/in	9'9"	10'3"	
A† Digging Depth	mm	113	113	
	in	4.4"	4.4"	
12† Overall Length	mm	8640	8813	
	ft/in	28'5"	28'11"	
<b>B</b> † Overall Height with Bucket at	mm	5843	5843	
Maximum Lift	ft/in	19'3"	19'3"	
Loader Clearance Circle Radius	mm	6816	6902	
with Bucket at Carry Position	ft/in	22'5"	22'8"	
Static Tipping Load, Straight	kg	12 794	12 653	
(With tire deflection)	lb	28,206	27,896	
Static Tipping Load, Straight	kg	13 529	13 387	
(No tire deflection)	lb	29,827	29,515	
Static Tipping Load,	kg	10 913	10 772	
Articulated (With tire deflection)	lb	24,059	23,749	
Static Tipping Load, Articulated	kg	11 655	11 513	
(No tire deflection)	lb	25,696	25,383	
Breakout Force(§)	kN	144	143	
	lbf	32,521	32,258	

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

19 644

43,308

19 752

43,546

Operating Weight\*

kg

lb

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

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

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

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

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

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

Linkage	Standard Linkage					
Bucket Type		Multi-Purpos	se – Pin-On	Multi-Purpose – H	look-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	2.80	2.80	2.90	2.90	
	$yd^3$	3.50	3.50	3.75	3.75	
Capacity – Rated at 110% Fill Factor	$m^3$	3.00	3.00	3.20	3.20	
	$yd^3$	4.00	4.00	4.25	4.25	
Width	mm	2942	2999	3007	3000	
	ft/in	9'7"	9'10"	9'10"	9'10"	
16† Dump Clearance at Maximum Lift	mm	3131	3023	3123	3014	
and 45° Discharge	ft/in	10'3"	9'11"	10'2"	9'10"	
17† Reach at Maximum Lift and	mm	1268	1384	1358	1477	
45° Discharge	ft/in	4'1"	4'6"	4'5"	4'10"	
Reach at Level Lift Arm and	mm	2638	2795	2716	2877	
Bucket Level	ft/in	8'7"	9'2"	8'10"	9'5"	
A† Digging Depth	mm	140	140	93	93	
	in	5.5"	5.5"	3.6"	3.6"	
12† Overall Length	mm	8311	8481	8353	8528	
	ft/in	27'4"	27'10"	27'5"	28'0"	
B† Overall Height with Bucket at	mm	5455	5455	5541	5541	
Maximum Lift	ft/in	17'11"	17'11"	18'3"	18'3"	
Loader Clearance Circle Radius	mm	6735	6813	6763	6815	
with Bucket at Carry Position	ft/in	22'2"	22'5"	22'3"	22'5"	
Static Tipping Load, Straight	kg	13 375	13 224	12 946	12 817	
(With tire deflection)	lb	29,486	29,154	28,541	28,256	
Static Tipping Load, Straight	kg	14 103	13 951	13 700	13 569	
(No tire deflection)	lb	31,092	30,756	30,203	29,915	
Static Tipping Load,	kg	11 446	11 295	11 022	10 892	
Articulated (With tire deflection)	lb	25,236	24,903	24,299	24,014	
Static Tipping Load, Articulated	kg	12 181	12 029	11 781	11 651	
(No tire deflection)	lb	26,856	26,520	25,974	25,686	
Breakout Force(§)	kN	189	188	176	175	
	lbf	42,571	42,257	39,738	39,474	
Operating Weight*	kg	19 399	19 518	19 870	19 969	
	lb	42,767	43,028	43,805	44,024	

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

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

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

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

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

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

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

Linkage		Standard Linkage				
Bucket Type		High Dump – Hook-On – Fusion				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges			
Capacity – Rated	m <sup>3</sup>	4.30	6.10			
	$yd^3$	5.50	8.00			
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.70	6.70			
	$yd^3$	6.25	8.75			
Width	mm	3029	2910			
	ft/in	9'11"	9'6"			
<b>16</b> † Dump Clearance at Maximum Height	mm	4796	4699			
and High Dump Fully Rolled Out (42°)	ft/in	15'7"	15'4"			
17† Reach at Maximum Height and High	mm	1599	1741			
Dump Fully Rolled Out (42°)	ft/in	5'2"	5'7"			
Reach at Level Lift Arm and	mm	3195	3341			
Bucket Level	ft/in	10'5"	10'11"			
A† Digging Depth	mm	174	179			
	in	6.8"	7"			
12† Overall Length	mm	8892	9042			
	ft/in	29'3"	29'8"			
<b>B</b> † Overall Height at Maximum Height and	mm	6662	6990			
High Dump Fully Rolled Out (42°)	ft/in	21'9	22'9"			
Loader Clearance Circle Radius	mm	6949	6945			
with Bucket at Carry Position	ft/in	22'10"	22'10"			
Static Tipping Load, Straight	kg	11 691	11 459			
(With tire deflection)	lb	25,774	25,262			
Static Tipping Load, Straight	kg	12 392	12 226			
(No tire deflection)	lb	27,321	26,954			
Static Tipping Load,	kg	9873	9613			
Articulated (With tire deflection)	lb	21,766	21,194			
Static Tipping Load, Articulated	kg	10 582	10 386			
(No tire deflection)	lb	23,331	22,897			
Breakout Force (§)	kN	123	111			
	lbf	27,856	25,109			
Operating Weight*	kg	20 219	20 579			
-	lb	44,576	45,369			

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

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

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

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

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

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

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

Linkage		Standard Linkage	
Bucket Type		Woodchip – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	
Capacity – Rated	$m^3$	7.70	
	$yd^3$	10.00	
Capacity – Rated at 110% Fill Factor	m³	8.40	
	$yd^3$	11.00	
Width	mm	3330	
	ft/in	10'11"	
<b>16</b> † Dump Clearance at Maximum Lift	mm	2611	
and 45° Discharge	ft/in	8'6"	
17† Reach at Maximum Lift and	mm	1539	
45° Discharge	ft/in	5'0"	
Reach at Level Lift Arm and	mm	3236	
Bucket Level	ft/in	10'7"	
A† Digging Depth	mm	108	
	in	4.2"	
12† Overall Length	mm	8885	
	ft/in	29'2"	
<b>B</b> † Overall Height with Bucket at	mm	6294	
Maximum Lift	ft/in	20'8"	
Loader Clearance Circle Radius	mm	7069	
with Bucket at Carry Position	ft/in	23'3"	
Static Tipping Load, Straight	kg	13 325	
(With tire deflection)	lb	29,377	
Static Tipping Load, Straight	kg	14 212	
(No tire deflection)	lb	31,333	
Static Tipping Load,	kg	11 342	
Articulated (With tire deflection)	lb	25,006	
Static Tipping Load, Articulated	kg	12 230	
(No tire deflection)	lb	26,964	
Breakout Force(§)	kN	122	
	lbf	27,565	
Operating Weight*	kg	19 772	
	lb	43,590	

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

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

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

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

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

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

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

Linkage	'	Standard Linkage				
Bucket Type		Rock, Spade – Pin-On***				
Edge Type		Teeth and Segments	Teeth and Segments			
Capacity – Rated	m <sup>3</sup>	2.90	3.10			
	$yd^3$	3.75	4.00			
Capacity – Rated at 110% Fill Factor	$m^3$	3.20	3.40			
	$yd^3$	4.25	4.50			
Width	mm	2994	2992			
	ft/in	9'9"	9'9"			
16† Dump Clearance at Maximum Lift	mm	2868	2822			
and 45° Discharge	ft/in	9'4"	9'3"			
17† Reach at Maximum Lift and	mm	1529	1551			
45° Discharge	ft/in	5'0"	5'1"			
Reach at Level Lift Arm and	mm	3061	3111			
Bucket Level	ft/in	10'0"	10'2"			
A† Digging Depth	mm	54	40			
. 66 6 1	in	2.1"	1.5"			
12† Overall Length	mm	8707	8757			
	ft/in	28'7"	28'9"			
<b>B</b> † Overall Height with Bucket at	mm	5606	5689			
Maximum Lift	ft/in	18'5"	18'8"			
Loader Clearance Circle Radius	mm	6883	6898			
with Bucket at Carry Position	ft/in	22'7"	22'8"			
Static Tipping Load, Straight	kg	13 849	14 038			
(With tire deflection)	lb	30,533	30,949			
Static Tipping Load, Straight	kg	14 642	14 833			
(No tire deflection)	lb	32,281	32,701			
Static Tipping Load,	kg	11 831	12 026			
Articulated (With tire deflection)	lb	26,083	26,513			
Static Tipping Load, Articulated	kg	12 629	12 826			
(No tire deflection)	lb	27,843	28,278			
Breakout Force(§)	kN	157	152			
	lbf	35,380	34,208			
Operating Weight*	kg	20 227	19 977			
	lb	44,591	44,040			

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

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

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

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

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

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

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

Linkage		Standard	Linkage			
Bucket Type		Side Dump – Pin-On – Abrasion				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments			
Capacity – Rated	$m^3$	2.50	2.50			
	$yd^3$	3.25	3.25			
Capacity – Rated at 110% Fill Factor	$m^3$	2.80	2.80			
	$yd^3$	3.75	3.75			
Width	mm	3065	3166			
	ft/in	10'0"	10'4"			
6† Dump Clearance at Maximum Lift	mm	2853	2695			
and 45° Discharge	ft/in	9'4"	8'10"			
<b>7</b> † Reach at Maximum Lift and	mm	1294	1397			
45° Discharge	ft/in	4'2"	4'7"			
Reach at Level Lift Arm and	mm	2891	3075			
Bucket Level	ft/in	9'5"	10'1"			
A† Digging Depth	mm	110	110			
	in	4.3"	4.3"			
2† Overall Length	mm	8542	8755			
	ft/in	28'1"	28'9"			
<b>B</b> † Overall Height with Bucket at	mm	5911	5911			
Maximum Lift	ft/in	19'5"	19'5"			
Loader Clearance Circle Radius	mm	6850	6965			
with Bucket at Carry Position	ft/in	22'6"	22'11"			
Static Tipping Load, Straight	kg	11 641	11 418			
(With tire deflection)	lb	25,666	25,173			
Static Tipping Load, Straight	kg	12 362	12 135			
(No tire deflection)	1b	27,254	26,754			
Static Tipping Load,	kg	9811	9587			
Articulated (With tire deflection)	1b	21,630	21,137			
Static Tipping Load, Articulated	kg	10 538	10 312			
(No tire deflection)	lb	23,234	22,735			
Breakout Force(§)	kN	149	148			
	lbf	33,694	33,278			

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

20 380

44,931

Operating Weight\*

kg

lb

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

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

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

20 557

45,321

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

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

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

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

Linkage				High Lift	Linkage		
Bucket Type				General Purp	ose – Pin-On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	3.30	3.30	3.40	3.40	3.60	3.60
	$yd^3$	4.25	4.25	4.50	4.50	4.75	4.75
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.60	3.60	3.70	3.70	4.00	4.00
	$yd^3$	4.75	4.75	4.75	4.75	5.25	5.25
Width	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
16† Dump Clearance at Maximum Lift	mm	3297	3179	3271	3153	3225	3106
and 45° Discharge	ft/in	10'9"	10'5"	10'8"	10'4"	10'6"	10'2"
17† Reach at Maximum Lift and	mm	1422	1533	1445	1555	1481	1591
45° Discharge	ft/in	4'8"	5'0"	4'8"	5'1"	4'10"	5'2"
Reach at Level Lift Arm and	mm	3089	3250	3124	3285	3184	3345
Bucket Level	ft/in	10'1"	10'7"	10'2"	10'9"	10'5"	10'11"
A† Digging Depth	mm	126	126	126	126	126	126
	in	4.9"	4.9"	4.9"	4.9"	4.9"	4.9"
12† Overall Length	mm	8911	9083	8946	9118	9006	9178
	ft/in	29'3"	29'10"	29'5"	29'11"	29'7"	30'2"
<b>B</b> † Overall Height with Bucket at	mm	5980	5980	6009	6009	6068	6068
Maximum Lift	ft/in	19'8"	19'8"	19'9"	19'9"	19'11"	19'11"
Loader Clearance Circle Radius	mm	6756	6837	6767	6849	6787	6869
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'3"	22'6"	22'4"	22'7"
Static Tipping Load, Straight	kg	13 997	13 861	13 956	13 819	13 875	13 738
(With tire deflection)	lb	30,860	30,559	30,768	30,467	30,590	30,287
Static Tipping Load, Straight	kg	14 749	14 613	14 712	14 575	14 638	14 501
(No tire deflection)	lb	32,517	32,217	32,434	32,133	32,272	31,969
Static Tipping Load,	kg	11 908	11 772	11 867	11 730	11 788	11 650
Articulated (With tire deflection)	lb	26,254	25,953	26,163	25,861	25,988	25,684
Static Tipping Load, Articulated	kg	12 692	12 556	12 655	12 519	12 583	12 446
(No tire deflection)	lb	27,982	27,682	27,900	27,599	27,741	27,439
Breakout Force (§)	kN	137	136	133	132	127	126
	lbf	30,910	30,627	30,043	29,761	28,646	28,366
Operating Weight*	kg	20 329	20 437	20 359	20 467	20,417	20 525
r	lb	44,816	45,054	44,882	45,121	45,010	45,248

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

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

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

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

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

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

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

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

Linkage		High Lift Linkage				
Bucket Type		General Purpose – Pin-On – Abrasion				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges			
Capacity – Rated	$m^3$	3.80	4.00			
	$yd^3$	5.00	5.25			
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.20	4.40			
	$yd^3$	5.50	5.75			
Width	mm	2994	2994			
	ft/in	9'9"	9'9"			
16† Dump Clearance at Maximum Lift	mm	3197	3167			
and 45° Discharge	ft/in	10'5"	10'4"			
17† Reach at Maximum Lift and	mm	1496	1522			
45° Discharge	ft/in	4'10"	4'11"			
Reach at Level Lift Arm and	mm	3214	3254			
Bucket Level	ft/in	10'6"	10'8"			
A† Digging Depth	mm	131	131			
	in	5.1"	5.1"			
<b>2</b> † Overall Length	mm	9040	9080			
	ft/in	29'8"	29'10"			
<b>B</b> † Overall Height with Bucket at	mm	6093	6133			
Maximum Lift	ft/in	20'0"	20'2"			
Loader Clearance Circle Radius	mm	6827	6840			
with Bucket at Carry Position	ft/in	22'5"	22'6"			
Static Tipping Load, Straight	kg	13 738	13 684			
(With tire deflection)	lb	30,287	30,168			
Static Tipping Load, Straight	kg	14 505	14 456			
(No tire deflection)	lb	31,979	31,870			
Static Tipping Load,	kg	11 651	11 597			
Articulated (With tire deflection)	lb	25,686	25,568			
Static Tipping Load, Articulated	kg	12 451	12 402			
(No tire deflection)	lb	27,450	27,343			
Breakout Force(§)	kN	123	120			
	lbf	27,819	26,979			
Operating Weight*	kg	20 533	20 573			
	lb	45,266	45,354			

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

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

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

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

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

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

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

Linkage	High Lift Linkage						
Bucket Type		General Purpose –	Hook-On – Fusion		Purpose – sion – Abrasion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	$m^3$	3.40	3.40	3.27	3.60		
	$yd^3$	4.50	4.50	4.25	4.75		
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.70	3.60	4.00		
	$yd^3$	4.75	4.75	4.75	5.25		
Width	mm	2927	2994	2957.59	2956		
	ft/in	9'7"	9'9"	9'8"	9'8"		
16† Dump Clearance at Maximum Lift	mm	3229	3111	3255	3180		
and 45° Discharge	ft/in	10'7"	10'2"	10'8"	10'5"		
17† Reach at Maximum Lift and	mm	1481	1591	1459	1521		
45° Discharge	ft/in	4'10"	5'2"	4'9"	4'11"		
Reach at Level Lift Arm and	mm	3179	3340	3144	3243		
Bucket Level	ft/in	10'5"	10'11"	10'3"	10'7"		
A† Digging Depth	mm	134	134	134	133		
	in	5.2"	5.2"	5.2"	5.2"		
12† Overall Length	mm	9006	9178	8972	9071		
	ft/in	29'7"	30'2"	29'6"	29'10"		
<b>B</b> † Overall Height with Bucket at	mm	6028	6028	5999	6105		
Maximum Lift	ft/in	19'10"	19'10"	19'9"	20'1"		
Loader Clearance Circle Radius	mm	6914	6996	6918	6950		
with Bucket at Carry Position	ft/in	22'9"	23'0"	22'9"	22'10"		
Static Tipping Load, Straight	kg	13 363	13 226	13 315	13 144		
(With tire deflection)	lb	29,460	29,160	29,356	28,978		
Static Tipping Load, Straight	kg	14 114	13 978	14 064	13 897		
(No tire deflection)	lb	31,117	30,817	31,007	30,638		
Static Tipping Load,	kg	11 295	11 159	11 247	11 085		
Articulated (With tire deflection)	lb	24,903	24,601	24,797	24,439		
Static Tipping Load, Articulated	kg	12 079	11 943	12 029	11 871		
(No tire deflection)	lb	26,631	26,330	26,519	26,172		
Breakout Force(§)	kN	127	126	130	121		
	lbf	28,696	28,415	29,332	27,213		
Operating Weight*	kg	20 838	20 946	20 888	20 975		
	lb	45,938	46,177	46,049	46,240		

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

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

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

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

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

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

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

Linkage Bucket Type			Flat Floo	High Lift Linkage		Flat Floor – Pin-On – Light Materia
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.80	3.80	4.40
	$yd^3$	4.50	4.50	5.00	5.00	5.75
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.70	4.20	4.20	4.80
	$yd^3$	4.75	4.75	5.50	5.50	6.25
Width	mm	2927	2994	2927	2994	3059
	ft/in	9'7"	9'9"	9'7"	9'9"	10'0"
16† Dump Clearance at Maximum Lift	mm	3201	3076	3123	2997	3068
and 45° Discharge	ft/in	10'6"	10'1"	10'2"	9'10"	10'0"
17† Reach at Maximum Lift and	mm	1365	1467	1443	1545	1487
45° Discharge	ft/in	4'5"	4'9"	4'8"	5'0"	4'10"
Reach at Level Lift Arm and	mm	3134	3295	3245	3406	3315
Bucket Level	ft/in	10'3"	10'9"	10'7"	11'2"	10'10"
A† Digging Depth	mm	134	134	134	134	142
	in	5.2"	5.2"	5.2"	5.2"	5.6"
12† Overall Length	mm	8961	9133	9072	9244	9148
	ft/in	29'5"	30'0"	29'10"	30'4"	30'1"
<b>B</b> † Overall Height with Bucket at	mm	6020	6020	6118	6118	6197
Maximum Lift	ft/in	19'9"	19'9"	20'1"	20'1"	20'4"
Loader Clearance Circle Radius	mm	6770	6851	6807	6889	6888
with Bucket at Carry Position	ft/in	22'3"	22'6"	22'4"	22'8"	22'8"
Static Tipping Load, Straight	kg	13 816	13 680	13 686	13 548	13 475
(With tire deflection)	lb	30,459	30,159	30,172	29,869	29,707
Static Tipping Load, Straight	kg	14 558	14 422	14 442	14 305	14 241
(No tire deflection)	lb	32,096	31,797	31,841	31,538	31,397
Static Tipping Load,	kg	11 746	11 610	11 617	11 479	11 409
Articulated (With tire deflection)	lb	25,897	25,597	25,611	25,307	25,153
Static Tipping Load, Articulated	kg	12 521	12 386	12 406	12 269	12 209
(No tire deflection)	lb	27,606	27,307	27,352	27,049	26,917
Breakout Force(§)	kN	132	131	121	120	114
(0)	lbf	29,766	29,484	27,310	27,031	25,739
Operating Weight*	kg	20 364	20 472	20 466	20 574	20 622
1 6 6	lb	44,893	45,132	45,118	45,356	45,462

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

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

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

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

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

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

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

Linkage	High Lift Linkage
Bucket Type	Flat Floor – Hook-On – Fusion

and 45° Discharge       ft/in       10'1"       9'8"         7† Reach at Maximum Lift and 45° Discharge       mm       1478       1580         45° Discharge       ft/in       4'10"       5'2"         Reach at Level Lift Arm and Bucket Level       mm       3294       3455         Bucket Level       ft/in       10'9"       11'4"         A† Digging Depth       mm       134       134         in       5.2"       5.2"         2† Overall Length       mm       9121       9293         ft/in       30'0"       30'6"	Edge Type		<b>Bolt-On Cutting Edges</b>	Teeth and Segments
Capacity – Rated at 110% Fill Factor         m³         4.20         4.20           yd³         5.50         5.50           Width         mm         2927         2994           fb Dump Clearance at Maximum Lift         mm         3088         2963           and 45° Discharge         fb/in         10°1"         9°8"           77 Reach at Maximum Lift and         mm         1478         1580           45° Discharge         fb/in         4°10"         5°2"           Reach at Level Lift Arm and         mm         3394         3455           Bucket Level         fb/in         10°9"         11'4"           Ah Digging Depth         mm         134         134           in         5.2"         5.2"           2† Overall Length         mm         9121         9293           fb/in         300"         30°6"           8† Overall Height with Bucket at         mm         6148         6148           Maximum Lift         fb/in         20°3"         20°3"           Loader Clearance Circle Radius         mm         6947         7030           with Bucket at Carry Position         fb/in         22'10"         23'1"           Static Tipping Load, Strai	Capacity – Rated	$m^3$	3.80	3.80
Width         mm         2927         2994           6† Dump Clearance at Maximum Lift         mm         3088         2963           and 45° Discharge         ft/in         101"         98"           7† Reach at Maximum Lift and         mm         1478         1580           45° Discharge         ft/in         4'10"         5'2"           Reach at Level Lift Arm and         mm         3294         3455           Bucket Level         ft/in         10"9"         1114"           A† Digging Depth         mm         134         134           in         5.2"         5.2"           2† Overall Length         mm         9121         9293           ft/in         300"         30"8"           8† Overall Height with Bucket at         mm         6148         6148           Maximum Lift         ft/in         20"3"         20"3"           Loader Clearance Circle Radius         mm         6947         7030           with Bucket at Carry Position         ft/in         22"10"         23"1"           Static Tipping Load, Straight         kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730		$yd^3$	5.00	5.00
Width         mm         2927         2994           ft/in         97"         99"           6† Dump Clearance at Maximum Lift and and 45° Discharge         ft/in         10'1"         9'8"           7* Reach at Maximum Lift and Mm         1478         1580           45° Discharge         ft/in         4'10"         5'2"           Reach at Level Lift Arm and Mm         3294         3455           Bucket Level         ft/in         10'9"         11'4"           A† Digging Depth         mm         134         134           in         5.2"         5.2"           2† Overall Length         mm         9121         9293           ft/in         300"         30'6"           B† Overall Height with Bucket at mm         6148         6148           Maximum Lift         ft/in         20'3"         20'3"           Loader Clearance Circle Radius mm         6947         7030           with Bucket at Carry Position ft/in         22'10"         23'1"           Static Tipping Load, Straight kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight kg         13 789         13 789	Capacity – Rated at 110% Fill Factor	$m^3$	4.20	4.20
Fl/in   9'7"   9'9"   9'9"   6Fl Dump Clearance at Maximum Lift and and 45" Discharge ft/in   10'1"   9'8"   7Fl Reach at Maximum Lift and mm   1478   1580   45° Discharge ft/in   4'10"   5'2"   Reach at Level Lift Arm and mm   3294   3455   Bucket Level ft/in   10'9"   11'4"   AFl Digging Depth mm   134   136   1300"   30'6"   8Fl Overall Length mm   9121   9293   16'10		$yd^3$	5.50	5.50
6† Dump Clearance at Maximum Lift and 45° Discharge         ft/in         10'1"         9'8"           7† Reach at Maximum Lift and 45° Discharge         ft/in         4'10"         5'2"           Reach at Maximum Lift and 45° Discharge         ft/in         4'10"         5'2"           Reach at Level Lift Arm and Bucket Level         mm         3294         3455           Bucket Level         ft/in         10'9"         11'4"           A† Digging Depth         mm         134         134           bucket Level         mm         134         134           bucket Level         mm         1921         9293           ft/in         30'0"         30'6"           B† Overall Length         mm         6148         6148           Maximum Lift         ft/in         20'3"         20'3"           Loader Clearance Circle Radius mm         6947         7030           with Bucket at Carry Position ft/in         22'10"         23'1"           Static Tipping Load, Straight kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight (No tire deflection)         kg         13 113         10 976           Articulated (With tire	Width	mm	2927	2994
and 45° Discharge         ft/in         10'1"         9'8"           7† Reach at Maximum Lift and 45° Discharge         ft/in         410"         5'2"           Reach at Level Lift Arm and Bucket Level         mm         3294         3455           Bucket Level         ft/in         10°9"         11'4"           A† Digging Depth         mm         134         134           in         5.2"         5.2"           2† Overall Length         mm         9121         9293           ft/in         30'0"         30'6"           B† Overall Height with Bucket at mm         6148         6148           Maximum Lift         ft/in         20'3"         20'3"           Loader Clearance Circle Radius mm         6947         7030           with Bucket at Carry Position         ft/in         22'10"         23'1"           Static Tipping Load, Straight kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load, kg         kg         1113         10 976		ft/in	9'7"	9'9"
77 Reach at Maximum Lift and 45° Discharge         mm         1478         1580           45° Discharge         ft/in         4'10"         5'2"           Reach at Level Lift Arm and Bucket Level         mm         3294         3455           Bucket Level         ft/in         10'9"         11'4"           A† Digging Depth         mm         134         134           in         5.2"         5.2"           2† Overall Length         mm         9121         9293           ft/in         30'0"         30'6"           B† Overall Height with Bucket at mm         6148         6148           Maximum Lift         ft/in         20'3"         20'3"           Loader Clearance Circle Radius mm         6947         7030         7030           with Bucket at Carry Position         ft/in         22'10"         23'1"           Static Tipping Load, Straight         kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight         kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load, Articulated         kg         111	16† Dump Clearance at Maximum Lift	mm	3088	2963
A5° Discharge	and 45° Discharge	ft/in	10'1"	9'8"
Reach at Level Lift Arm and Bucket Level         mm ft/in         3294 109"         3455 114"           Bucket Level         ft/in         109"         114"           At Digging Depth         mm 134 in         134 134 134 134 134 134 134 134 134 134	17† Reach at Maximum Lift and	mm	1478	1580
Bucket Level         ft/in         10'9"         11'4"           At Digging Depth         mm         134         134           in         5.2"         5.2"           2t Overall Length         mm         9121         9293           ft/in         30'0"         30'6"           Bt Overall Height with Bucket at mm         6148         6148           Maximum Lift         ft/in         20'3"         20'3"           Loader Clearance Circle Radius mm         6947         7030           with Bucket at Carry Position         ft/in         22'10"         23'1"           Static Tipping Load, Straight         kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight         kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load, kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated         kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942	45° Discharge	ft/in	4'10"	5'2"
A† Digging Depth         mm         134         134           in         5.2"         5.2"           2† Overall Length         mm         9121         9293           ft/in         300"         30'6"           B† Overall Height with Bucket at Maximum Lift         mm         6148         6148           Maximum Lift         ft/in         20'3"         20'3"           Loader Clearance Circle Radius mm         6947         7030           with Bucket at Carry Position         ft/in         22'10"         23'1"           Static Tipping Load, Straight         kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight         kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load,         kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated         kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force(§)         kN         117 </td <td>Reach at Level Lift Arm and</td> <td>mm</td> <td>3294</td> <td>3455</td>	Reach at Level Lift Arm and	mm	3294	3455
in         5.2"           2† Overall Length         mm         9121         9293           ft/in         300"         30'6"           B† Overall Height with Bucket at Maximum Lift         mm         6148         6148           Maximum Lift         ft/in         20'3"         20'3"           Loader Clearance Circle Radius mm         6947         7030           with Bucket at Carry Position         ft/in         22'10"         23'1"           Static Tipping Load, Straight         kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight         kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load,         kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated         kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force (§)         kN         117         115           Ibf         26,297         26,019	Bucket Level	ft/in	10'9"	11'4"
2† Overall Length         mm         9121         9293           ft/in         30'0"         30'6"           B† Overall Height with Bucket at Maximum Lift         mm         6148           Maximum Lift         ft/in         20'3"         20'3"           Loader Clearance Circle Radius mm         6947         7030           with Bucket at Carry Position         ft/in         22'10"         23'1"           Static Tipping Load, Straight         kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight         kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load,         kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated         kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force (§)         kN         117         115           Ibf         26,297         26,019           Operating Weight*         kg         20 930	A† Digging Depth	mm	134	134
B† Overall Height with Bucket at Maximum Lift         mm ft/in         6148         6148           Maximum Lift         ft/in         20'3"         20'3"           Loader Clearance Circle Radius mm         6947         7030           with Bucket at Carry Position         ft/in         22'10"         23'1"           Static Tipping Load, Straight         kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight         kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load, kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force(§)         kN         117         115           lbf         26,297         26,019           Operating Weight*         kg         20 930         21 038		in	5.2"	5.2"
B† Overall Height with Bucket at Maximum Lift         mm ft/in         6148 20'3"         6148 20'3"           Loader Clearance Circle Radius mm with Bucket at Carry Position ft/in         mm 6947 7030         7030 7030           with Bucket at Carry Position ft/in         22'10"         23'1"           Static Tipping Load, Straight kg 13 169 (With tire deflection)         1b 29,033         28,730           Static Tipping Load, Straight kg 13 926 (No tire deflection)         1b 30,703         30,400           Static Tipping Load, kg 11 113 10 976 Articulated (With tire deflection)         1b 24,501         24,198           Static Tipping Load, Articulated kg 11 904 (No tire deflection)         1b 26,244         25,942           Breakout Force (§)         kN 117 115         115           Operating Weight*         kg 20 930         21 038	2† Overall Length	mm	9121	9293
Maximum Lift         ft/in         20'3"           Loader Clearance Circle Radius with Bucket at Carry Position         mm         6947         7030           with Bucket at Carry Position         ft/in         22'10"         23'1"           Static Tipping Load, Straight         kg         13 169         13 032           (With tire deflection)         lb         29,033         28,730           Static Tipping Load, Straight         kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load,         kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated         kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force(§)         kN         117         115           Breakout Force(§)         kg         20 930         21 038		ft/in	30'0"	30'6"
Loader Clearance Circle Radius mm 6947 7030 with Bucket at Carry Position ft/in 22'10" 23'1"  Static Tipping Load, Straight kg 13 169 13 032 (With tire deflection) lb 29,033 28,730  Static Tipping Load, Straight kg 13 926 13 789 (No tire deflection) lb 30,703 30,400  Static Tipping Load, kg 11 113 10 976 Articulated (With tire deflection) lb 24,501 24,198  Static Tipping Load, Articulated kg 11 904 11 767 (No tire deflection) lb 26,244 25,942  Breakout Force(§) kN 117 115    Defeating Weight* kg 20 930 21 038	<b>B</b> † Overall Height with Bucket at	mm	6148	6148
with Bucket at Carry Position         ft/in         22'10"         23'1"           Static Tipping Load, Straight (With tire deflection)         kg         13 169         13 032           Static Tipping Load, Straight (No tire deflection)         kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load, kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force(§)         kN         117         115           lbf         26,297         26,019           Operating Weight*         kg         20 930         21 038	Maximum Lift	ft/in	20'3"	20'3"
Static Tipping Load, Straight (With tire deflection)       kg       13 169       13 032         (With tire deflection)       lb       29,033       28,730         Static Tipping Load, Straight (No tire deflection)       kg       13 926       13 789         (No tire deflection)       lb       30,703       30,400         Static Tipping Load, Articulated (With tire deflection)       lb       24,501       24,198         Static Tipping Load, Articulated (No tire deflection)       kg       11 904       11 767         (No tire deflection)       lb       26,244       25,942         Breakout Force (§)       kN       117       115         lbf       26,297       26,019         Operating Weight*       kg       20 930       21 038	Loader Clearance Circle Radius	mm	6947	7030
(With tire deflection)       lb       29,033       28,730         Static Tipping Load, Straight       kg       13 926       13 789         (No tire deflection)       lb       30,703       30,400         Static Tipping Load,       kg       11 113       10 976         Articulated (With tire deflection)       lb       24,501       24,198         Static Tipping Load, Articulated       kg       11 904       11 767         (No tire deflection)       lb       26,244       25,942         Breakout Force (§)       kN       117       115         lbf       26,297       26,019         Operating Weight*       kg       20 930       21 038	with Bucket at Carry Position	ft/in	22'10"	23'1"
Static Tipping Load, Straight (No tire deflection)         kg         13 926         13 789           (No tire deflection)         lb         30,703         30,400           Static Tipping Load, kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated (No tire deflection)         kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force (§)         kN         117         115           lbf         26,297         26,019           Operating Weight*         kg         20 930         21 038	Static Tipping Load, Straight	kg	13 169	13 032
(No tire deflection)         lb         30,703         30,400           Static Tipping Load,         kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated (No tire deflection)         kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force (§)         kN         117         115           lbf         26,297         26,019           Operating Weight*         kg         20 930         21 038	(With tire deflection)	lb	29,033	28,730
Static Tipping Load,         kg         11 113         10 976           Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated         kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force (§)         kN         117         115           lbf         26,297         26,019           Operating Weight*         kg         20 930         21 038	Static Tipping Load, Straight	kg	13 926	13 789
Articulated (With tire deflection)         lb         24,501         24,198           Static Tipping Load, Articulated (No tire deflection)         kg         11 904         11 767           (No tire deflection)         lb         26,244         25,942           Breakout Force (§)         kN         117         115           lbf         26,297         26,019           Operating Weight*         kg         20 930         21 038	(No tire deflection)	lb	30,703	30,400
Static Tipping Load, Articulated (No tire deflection)         kg         11 904         11 767           (No tire deflection)         Ib         26,244         25,942           Breakout Force (§)         kN         117         115           lbf         26,297         26,019           Operating Weight*         kg         20 930         21 038	Static Tipping Load,	kg	11 113	10 976
(No tire deflection)         lb         26,244         25,942           Breakout Force(§)         kN         117         115           lbf         26,297         26,019           Operating Weight*         kg         20 930         21 038	Articulated (With tire deflection)	1b	24,501	24,198
Breakout Force(§)         kN         117         115           Ibf         26,297         26,019           Operating Weight*         kg         20 930         21 038		kg	11 904	11 767
lbf         26,297         26,019           Operating Weight*         kg         20 930         21 038	(No tire deflection)	lb	26,244	25,942
Operating Weight* kg 20 930 21 038	Breakout Force(§)	kN	117	115
, , ,		lbf	26,297	26,019
	Operating Weight*	kg	20 930	21 038
			46,141	46,379

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

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

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

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

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

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

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

Linkage		High Lift Linkage					
Bucket Type		Multi-Purpo:	se – Pin-On	Multi-Purpose – H	look-On – Fusion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	m <sup>3</sup>	2.80	2.80	2.90	2.90		
	$yd^3$	3.50	3.50	3.75	3.75		
Capacity – Rated at 110% Fill Factor	$m^3$	3.00	3.00	3.20	3.20		
	$yd^3$	4.00	4.00	4.25	4.25		
Width	mm	2942	2999	3007	3000		
	ft/in	9'7"	9'10"	9'10"	9'10"		
16† Dump Clearance at Maximum Lift	mm	3436	3329	3429	3319		
and 45° Discharge	ft/in	11'3"	10'11"	11'3"	10'10"		
17† Reach at Maximum Lift and	mm	1385	1501	1475	1595		
45° Discharge	ft/in	4'6"	4'11"	4'10"	5'2"		
Reach at Level Lift Arm and	mm	2944	3101	3021	3182		
Bucket Level	ft/in	9'7"	10'2"	9'10"	10'5"		
A† Digging Depth	mm	161	161	114	114		
	in	6.3"	6.3"	4.4"	4.4"		
12† Overall Length	mm	8789	8958	8836	9010		
	ft/in	28'11"	29'5"	29'0"	29'7"		
<b>B</b> † Overall Height with Bucket at	mm	5761	5761	5846	5846		
Maximum Lift	ft/in	18'11"	18'11"	19'3"	19'3"		
Loader Clearance Circle Radius	mm	6713	6946	6897	6947		
with Bucket at Carry Position	ft/in	22'1"	22'10"	22'8"	22'10"		
Static Tipping Load, Straight	kg	13 549	13 401	13 216	13 089		
(With tire deflection)	lb	29,870	29,544	29,136	28,858		
Static Tipping Load, Straight	kg	14 275	14 127	13 980	13 854		
(No tire deflection)	lb	31,472	31,146	30,822	30,543		
Static Tipping Load,	kg	11 475	11 327	11 128	11 001		
Articulated (With tire deflection)	lb	25,299	24,973	24,533	24,254		
Static Tipping Load, Articulated	kg	12 234	12 086	11 925	11 798		
(No tire deflection)	lb	26,972	26,646	26,290	26,011		
Breakout Force(§)	kN	153	151	143	142		
	lbf	34,487	34,159	32,205	31,916		
Operating Weight*	kg	20 684	20 803	21 155	21 254		
5 P							

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

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

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

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

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

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

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

Linkage		High Lift Linkage			
Bucket Type		High Dump – Hook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	$m^3$	4.30	6.10		
	$yd^3$	5.50	8.00		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	4.70	6.70		
	$yd^3$	6.25	8.75		
Width	mm	3029	2910		
	ft/in	9'11"	9'6"		
16† Dump Clearance at Maximum Height	mm	5212	5130		
and High Dump Fully Rolled Out (36°)	ft/in	17'1"	16'8"		
17† Reach at Maximum Height and High	mm	1650	1800		
Dump Fully Rolled Out (36°)	ft/in	5'4"	5'9"		
Reach at Level Lift Arm and	mm	3501	3647		
Bucket Level	ft/in	11'5"	11'11"		
A† Digging Depth	mm	195	200		
	in	7.7"	7.9"		
12† Overall Length	mm	9367	9517		
	ft/in	30'9"	31'3"		
<b>B</b> † Overall Height at Maximum Height and	mm	7050	7378		
High Dump Fully Rolled Out (36°)	ft/in	23'1"	24'2"		
Loader Clearance Circle Radius	mm	7077	7071		
with Bucket at Carry Position	ft/in	23'3"	23'3"		
Static Tipping Load, Straight	kg	12 170	12 144		
(With tire deflection)	lb	26,832	26,774		
Static Tipping Load, Straight	kg	12 916	12 985		
(No tire deflection)	lb	28,476	28,628		
Static Tipping Load,	kg	10 161	10 069		
Articulated (With tire deflection)	lb	22,402	22,198		
Static Tipping Load, Articulated	kg	10 941	10 943		
(No tire deflection)	lb	24,122	24,126		
Breakout Force(§)	kN	99	89		
	lbf	22,333	20,011		
Operating Weight*	kg	21 505	21 865		
	lb	47,409	48,203		

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

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

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

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

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

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

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

Linkage		High Lift Linkage	
Bucket Type		Woodchip – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	
Capacity – Rated	$m^3$	7.70	
	$yd^3$	10.00	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	8.40	
	$yd^3$	11.00	
Width	mm	3330	
	ft/in	10'11"	
<b>16</b> † Dump Clearance at Maximum Lift	mm	2916	
and 45° Discharge	ft/in	9'6"	
17† Reach at Maximum Lift and	mm	1657	
45° Discharge	ft/in	5'5"	
Reach at Level Lift Arm and	mm	3542	
Bucket Level	ft/in	11'7"	
A† Digging Depth	mm	129	
	in	5"	
12† Overall Length	mm	9367	
	ft/in	30'9"	
<b>B</b> † Overall Height with Bucket at	mm	6599	
Maximum Lift	ft/in	21'8"	
Loader Clearance Circle Radius	mm	7193	
with Bucket at Carry Position	ft/in	23'8"	
Static Tipping Load, Straight	kg	13 968	
(With tire deflection)	1b	30,794	
Static Tipping Load, Straight	kg	14 901	
(No tire deflection)	1b	32,851	
Static Tipping Load,	kg	11 762	
Articulated (With tire deflection)	1b	25,931	
Static Tipping Load, Articulated	kg	12 726	
(No tire deflection)	lb	28,057	
Breakout Force(§)	kN	98	
	lbf	22,210	
Operating Weight*	kg	21 057	
	lb	46,423	

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

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

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

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

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

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

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

Linkage		High Lift Linkage Side Dump – Pin-On – Abrasion			
Bucket Type					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	$m^3$	2.50	2.50		
	yd³	3.25	3.25		
Capacity – Rated at 110% Fill Factor	m³	2.80	2.80		
	yd³	3.75	3.75		
Width	mm	3065	3166		
	ft/in	10'0"	10'4"		
<b>16</b> † Dump Clearance at Maximum Lift	mm	3158	3001		
and 45° Discharge	ft/in	10'4"	9'10"		
17† Reach at Maximum Lift and	mm	1412	1514		
45° Discharge	ft/in	4'7"	4'11"		
Reach at Level Lift Arm and	mm	3197	3381		
Bucket Level	ft/in	10'5"	11'1"		
A† Digging Depth	mm	131	131		
	in	5.1"	5.1"		
12† Overall Length	mm	9023	9232		
	ft/in	29'8"	30'4"		
<b>B</b> † Overall Height with Bucket at	mm	6216	6216		
Maximum Lift	ft/in	20'5"	20'5"		
Loader Clearance Circle Radius	mm	6981	6937		
with Bucket at Carry Position	ft/in	22'11"	22'10"		
Static Tipping Load, Straight	kg	12 146	11 923		
(With tire deflection)	lb	26,777	26,286		
Static Tipping Load, Straight	kg	12 914	12 690		
(No tire deflection)	lb	28,470	27,978		
Static Tipping Load,	kg	10 118	9895		
Articulated (With tire deflection)	lb	22,307	21,816		
Static Tipping Load, Articulated	kg	10 920	10 697		
(No tire deflection)	lb	24,075	23,583		
Breakout Force(§)	kN	120	118		
	lbf	27,146	26,672		

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

21 666

47,764

21 843

48,154

Operating Weight\*

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

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

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

kg

lb

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

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

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

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

Linkage				Aggregate	Handler		
Bucket Type				General Purp	ose – Pin-On	-	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	3.30	3.30	3.40	3.40	3.60	3.60
	$yd^3$	4.25	4.25	4.50	4.50	4.75	4.75
Capacity – Rated at 110% Fill Factor	$m^3$	3.60	3.60	3.70	3.70	4.00	4.00
	$yd^3$	4.75	4.75	4.75	4.75	5.25	5.25
Width	mm	2927	2994	2927	2994	2927	2994
	ft/in	9'7"	9'9"	9'7"	9'9"	9'7"	9'9"
16† Dump Clearance at Maximum Lift	mm	2992	2874	2966	2847	2920	2801
and 45° Discharge	ft/in	9'9"	9'5"	9'8"	9'4"	9'6"	9'2"
17† Reach at Maximum Lift and	mm	1305	1415	1327	1437	1363	1473
45° Discharge	ft/in	4'3"	4'7"	4'4"	4'8"	4'5"	4'10"
Reach at Level Lift Arm and	mm	2783	2944	2818	2979	2878	3039
Bucket Level	ft/in	9'1"	9'7"	9'2"	9'9"	9'5"	9'11"
A† Digging Depth	mm	105	105	105	105	105	105
. 65 6 1	in	4.1"	4.1"	4.1"	4.1"	4.1"	4.1"
12† Overall Length	mm	8538	8712	8573	8747	8633	8807
	ft/in	28'1"	28'7"	28'2"	28'9"	28'4"	28'11"
<b>B</b> † Overall Height with Bucket at	mm	5675	5675	5704	5704	5762	5762
Maximum Lift	ft/in	18'8"	18'8"	18'9"	18'9"	18'11"	18'11"
Loader Clearance Circle Radius	mm	6755	6838	6765	6849	6782	6867
with Bucket at Carry Position	ft/in	22'2"	22'6"	22'3"	22'6"	22'4"	22'7"
Static Tipping Load, Straight	kg	15 251	15 112	15 184	15 045	15 057	14 917
(With tire deflection)	lb	33,624	33,317	33,477	33,168	33,197	32,886
Static Tipping Load, Straight	kg	16 111	15 970	16 046	15 905	15 922	15 780
(No tire deflection)	lb	35,519	35,209	35,376	35,064	35,103	34,789
Static Tipping Load,	kg	13 054	12 915	12 991	12 851	12 872	12 731
Articulated (With tire deflection)	lb	28,781	28,473	28,642	28,333	28,379	28,069
Static Tipping Load, Articulated	kg	13 925	13 785	13 864	13 723	13 749	13 606
(No tire deflection)	lb	30,701	30,391	30,566	30,255	30,311	29,997
Breakout Force(§)	kN	169	168	164	163	157	156
	lbf	38,080	37,815	37,030	36,766	35,340	35,077
Operating Weight*	kg	19 768	19 876	19 798	19 906	19 856	19 964
	lb	43,581	43,819	43,648	43,886	43,775	44,013

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

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

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

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

<sup>\*\*</sup>Aggregate Handler configuration is not compatible with rock buckets, and high lift.

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

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

Linkage		Aggregate Handler				
Bucket Type		General Purpose — Pin-On — Abrasion				
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	$m^3$	3.80	4.00	4.20		
	yd³	5.00	5.25	5.50		
Capacity – Rated at 110% Fill Factor	$m^3$	4.20	4.40	4.60		
	yd³	5.50	5.75	6.00		
Width	mm	2994	2994	2994		
	ft/in	9'9"	9'9"	9'9"		
6† Dump Clearance at Maximum Lift	mm	2892	2862	2830		
and 45° Discharge	ft/in	9'5"	9'4"	9'3"		
7† Reach at Maximum Lift and	mm	1378	1404	1435		
45° Discharge	ft/in	4'6"	4'7"	4'8"		
Reach at Level Lift Arm and	mm	2909	2949	2994		
Bucket Level	ft/in	9'6"	9'8"	9'9"		
A† Digging Depth	mm	110	110	110		
	in	4.3"	4.3"	4.3"		
2† Overall Length	mm	8668	8708	8753		
· -	ft/in	28'6"	28'7"	28'9"		
<b>B</b> † Overall Height with Bucket at	mm	5788	5828	5868		
Maximum Lift	ft/in	19'0"	19'2"	19'4"		
Loader Clearance Circle Radius	mm	6823	6835	6849		
with Bucket at Carry Position	ft/in	22'5"	22'6"	22'6"		
Static Tipping Load, Straight	kg	14 895	14 811	14 714		
(With tire deflection)	lb	32,839	32,652	32,439		
Static Tipping Load, Straight	kg	15 761	15 679	15 585		
(No tire deflection)	lb	34,748	34,566	34,359		
Static Tipping Load,	kg	12 714	12 634	12 543		
Articulated (With tire deflection)	lb	28,029	27,854	27,653		
Static Tipping Load, Articulated	kg	13 591	13 514	13 426		
(No tire deflection)	lb	29,965	29,794	29,599		
Breakout Force(§)	kN	152	148	143		
	lbf	34,377	33,363	32,279		
Operating Weight*	kg	19 972	20 012	20 058		
	lb	44,031	44,119	44,221		

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

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

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

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

<sup>\*\*</sup>Aggregate Handler configuration is not compatible with rock buckets, and high lift.

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

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

Linkage		Aggregate Handler					
Bucket Type		General Purpose –	Hook-On – Fusion		Purpose – sion – Abrasion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	$m^3$	3.40	3.40	3.30	3.60		
	$yd^3$	4.50	4.50	4.25	4.75		
Capacity – Rated at 110% Fill Factor	$m^3$	3.70	3.70	3.60	4.00		
	$yd^3$	4.75	4.75	4.75	5.25		
Width	mm	2927	2994	2958	2956		
	ft/in	9'7"	9'9"	9'8"	9'8"		
16† Dump Clearance at Maximum Lift	mm	2924	2805	2950	2875		
and 45° Discharge	ft/in	9'7"	9'2"	9'8"	9'5"		
17† Reach at Maximum Lift and	mm	1363	1473	1341	1403		
45° Discharge	ft/in	4'5"	4'10"	4'4"	4'7"		
Reach at Level Lift Arm and	mm	2873	3034	2838	2937		
Bucket Level	ft/in	9'5"	9'11"	9'3"	9'7"		
A† Digging Depth	mm	113	113	113	112		
	in	4.4"	4.4"	4.4"	4.4"		
12† Overall Length	mm	8634	8807	8600	8699		
	ft/in	28'4"	28'11"	28'3"	28'7"		
B† Overall Height with Bucket at	mm	5723	5723	5694	5800		
Maximum Lift	ft/in	18'10"	18'10"	18'9"	19'1"		
Loader Clearance Circle Radius	mm	6781	6866	6784	6818		
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'4"	22'5"		
Static Tipping Load, Straight	kg	14 543	14 404	14 516	14 275		
(With tire deflection)	lb	32,063	31,756	32,002	31,470		
Static Tipping Load, Straight	kg	15 390	15 249	15 360	15 116		
(No tire deflection)	lb	33,929	33,619	33,864	33,326		
Static Tipping Load,	kg	12 382	12 243	12 351	12 129		
Articulated (With tire deflection)	lb	27,298	26,991	27,229	26,740		
Static Tipping Load, Articulated	kg	13 241	13 100	13 208	12 983		
(No tire deflection)	lb	29,191	28,881	29,118	28,623		
Breakout Force(§)	kN	157	156	161	149		
	lbf	35,422	35,157	36,225	33,608		
Operating Weight*	kg	20 277	20 385	20 328	20 414		
	lb	44,704	44,942	44,815	45,005		

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

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

<sup>\*\*</sup>Aggregate Handler configuration is not compatible with rock buckets, and high lift.

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

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

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

Linkage				Aggregate Handler		,	
Bucket Type			Flat Floor — Pin-On				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.80	3.80	4.40	
	$yd^3$	4.50	4.50	5.00	5.00	5.75	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70	4.20	4.20	4.80	
	$yd^3$	4.75	4.75	5.50	5.50	6.25	
Width	mm	2927	2994	2927	2994	3059	
	ft/in	9'7"	9'9"	9'7"	9'9"	10'0"	
16† Dump Clearance at Maximum Lift	mm	2896	2771	2818	2692	2763	
and 45° Discharge	ft/in	9'6"	9'1"	9'2"	8'10"	9'0"	
17† Reach at Maximum Lift and	mm	1247	1349	1325	1427	1369	
45° Discharge	ft/in	4'1"	4'5"	4'4"	4'8"	4'5"	
Reach at Level Lift Arm and	mm	2828	2989	2939	3100	3009	
Bucket Level	ft/in	9'3"	9'9"	9'7"	10'2"	9'10"	
A† Digging Depth	mm	113	113	113	113	121	
	in	4.4"	4.4"	4.4"	4.4"	4.7"	
12† Overall Length	mm	8589	8762	8700	8873	8776	
	ft/in	28'3"	28'9"	28'7"	29'2"	28'10"	
<b>B</b> † Overall Height with Bucket at	mm	5714	5714	5813	5813	5891	
Maximum Lift	ft/in	18'9"	18'9"	19'1"	19'1"	19'4"	
Loader Clearance Circle Radius	mm	6771	6855	6804	6888	6887	
with Bucket at Carry Position	ft/in	22'3"	22'6"	22'4"	22'8"	22'8"	
Static Tipping Load, Straight	kg	15 022	14 883	14 810	14 669	14 531	
(With tire deflection)	lb	33,118	32,812	32,652	32,341	32,035	
Static Tipping Load, Straight	kg	15 865	15 725	15 661	15 519	15 384	
(No tire deflection)	lb	34,977	34,668	34,528	34,214	33,917	
Static Tipping Load,	kg	12 851	12 712	12 651	12 510	12 384	
Articulated (With tire deflection)	lb	28,332	28,025	27,891	27,581	27,303	
Static Tipping Load, Articulated	kg	13 706	13 566	13 514	13 372	13 250	
(No tire deflection)	lb	30,218	29,909	29,795	29,481	29,213	
Breakout Force(§)	kN	163	162	150	148	141	
	lbf	36,711	36,446	33,738	33,475	31,887	
Operating Weight*	kg	19 803	19 911	19 905	20 013	20 061	
	lb	43,659	43,897	43,883	44,121	44,227	

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

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

<sup>\*\*</sup>Aggregate Handler configuration is not compatible with rock buckets, and high lift.

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

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

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

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

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

Linkage	Aggregate Handler
Bucket Type	Flat Floor – Hook-On – Fusion

and 45° Discharge       ft/in       9'1"       8'8"         7† Reach at Maximum Lift and 45° Discharge       mm       1360       1462         45° Discharge       ft/in       4'5"       4'9"         Reach at Level Lift Arm and Bucket Level       mm       2988       3149         Bucket Level       ft/in       9'9"       10'3"         A† Digging Depth       mm       113       113         in       4.4"       4.4"         2† Overall Length       mm       8749       8922         ft/in       28'9"       29'4"	Edge Type		<b>Bolt-On Cutting Edges</b>	Teeth and Segments
Capacity – Rated at 110% Fill Factor         m³         4.20         4.20           yd³         5.50         5.50           Width         mm         2927         2994           ft/in         9'7"         99"           ft² Dump Clearance at Maximum Lift         mm         2783         2658           and 45° Discharge         ft²in         9'1"         8'8"           7† Reach at Maximum Lift and         mm         1360         1462           45° Discharge         ft²in         4'5"         4'9"           Reach at Level Lift Arm and         mm         2988         3149           Bucket Level         ft²in         9'9"         103"           A† Digging Depth         mm         113         113           in         4.4"         4.4"           2† Overall Length         mm         8749         8922           ft²in         28"9"         294"           B† Overall Height with Bucket at         mm         5843         5843           Maximum Lift         ft²in         19'3"         19'3"           Loader Clearance Circle Radius         mm         6816         6902           with Bucket at Carry Position         ft²in         22'5"	Capacity – Rated	$m^3$	3.80	3.80
Width         mm         2927         2994           6† Dump Clearance at Maximum Lift and 45° Discharge         ft/in         91"         88"           7† Reach at Maximum Lift and 45° Discharge         ft/in         91"         88"           7† Reach at Maximum Lift and mm         1360         1462         45° Discharge         ft/in         4'5"         4'9"           Reach at Level Lift Arm and mm         2988         3149         103"         113"         113"         113"         113"         113"         113"         113         113         113         113         113         113         44"         44"         44"         2† Overall Length         mm         8749         8922         294"         8922         294"         899"         294"         8922         294"         89"         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"         89*         294"		$yd^3$	5.00	5.00
Width         mm         2927         2994           6† Dump Clearance at Maximum Lift and 45° Discharge         ft/in         9'1"         8'8"           7† Reach at Maximum Lift and 45° Discharge         ft/in         9'1"         8'8"           7† Reach at Maximum Lift and 45° Discharge         ft/in         4'5"         4'9"           Reach at Level Lift Arm and mm         2988         3149           Bucket Level         ft/in         9'9"         10'3"           A† Digging Depth         mm         113         113           in         4.4"         4.4"         4.4"           2† Overall Length         mm         8749         8922           ft/in         28'9"         29'4"           B† Overall Height with Bucket at mm         5843         5843           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius mm         6816         6902           with Bucket at Carry Position ft/in         22'5"         22'8"           Static Tipping Load, Straight kg         14 260         14 119           (With tire deflection)         1b         31,437         31,128           Static Tipping Load, Straight kg         15 102         14 961         (No tire	Capacity – Rated at 110% Fill Factor	m³	4.20	4.20
6† Dump Clearance at Maximum Lift and 45° Discharge         ft/in         9'7"         9'9"           7† Reach at Maximum Lift and 45° Discharge         ft/in         9'1"         8'8"           7† Reach at Maximum Lift and 45° Discharge         ft/in         4'5"         4'9"           Reach at Level Lift Arm and mm         2988         3149           Bucket Level fild Arm and Bucket Level film         9'9"         10'3"           A† Digging Depth         mm         113         113           in         4.4"         4.4"         4.4"           2† Overall Length         mm         8749         8922           ft/in         28'9"         29'4"           B† Overall Height with Bucket at mm         5843         5843           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius mm         6816         6902           with Bucket at Carry Position ft/in         22'5"         22'8"           Static Tipping Load, Straight         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight         kg         15 102         14 961           (No tire deflection)         lb		$yd^3$	5.50	5.50
265   Dump Clearance at Maximum Lift and   45° Discharge   ft/in   9°1"   8°8"     77   Reach at Maximum Lift and   mm   1360   1462     45° Discharge   ft/in   4′5"   4′9"     Reach at Level Lift Arm and   mm   2988   3149     Bucket Level   ft/in   9°9"   10′3"     A↑ Digging Depth   mm   113   113     in   4.4"   4.4"     2↑ Overall Length   mm   8749   8922     ft/in   28′9"   29′4"     B↑ Overall Height with Bucket at   mm   5843   5843     Maximum Lift   ft/in   19′3"   19′3"     Loader Clearance Circle Radius   mm   6816   6902     with Bucket at Carry Position   ft/in   22′5"   22′8"     Static Tipping Load, Straight   kg   14 260   14 119     (With tire deflection)   lb   31,437   31,128     Static Tipping Load, Straight   kg   15 102   14 961     (No tire deflection)   lb   33,296   32,983     Static Tipping Load, Atriculated   kg   12 123   11 982     Articulated (With tire deflection)   lb   26,726   26,417     Static Tipping Load, Articulated   kg   12 978   12 836     (No tire deflection)   lb   28,613   28,300     Breakout Force (§)   kN   144   143     B6   32,521   32,258     Operating Weight*   kg   20 369   20 477	Width	mm	2927	2994
Reach at Maximum Lift and   mm   1360   1462   45° Discharge   ft/in   mm   1360   1462   45° Discharge   ft/in   45°   49°   Reach at Level Lift Arm and   mm   2988   3149   Bucket Level   ft/in   9'9"   10'3"   A† Digging Depth   mm   113   113   113   113   113   113   114   44°   4		ft/in	9'7"	9'9"
77 Reach at Maximum Lift and 45° Discharge         mm         1360         1462           45° Discharge         ft/in         4'5"         4'9"           Reach at Level Lift Arm and Bucket Level         mm         2988         3149           Bucket Level         ft/in         99"         10'3"           A† Digging Depth         mm         113         113           in         4.4"         4.4"         4.4"           2† Overall Length         mm         8749         8922           ft/in         28'9"         29'4"           B† Overall Height with Bucket at mm         5843         5843           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius         mm         6816         6902           with Bucket at Carry Position         ft/in         22'5"         22'8"           Static Tipping Load, Straight         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load, Articulated         kg	16† Dump Clearance at Maximum Lift	mm	2783	2658
45° Discharge	and 45° Discharge	ft/in	9'1"	8'8"
Reach at Level Lift Arm and Bucket Level         mm ft/in         2988 gray         3149 gray           At Digging Depth         mm in         113 lis         113 lis           At Digging Depth         mm in         4.4"         4.4"           2th Overall Length         mm mm         8749 mm         8922 mm           By Overall Height with Bucket at mm maximum Lift         5843 mm         5843 mm           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius mm mm         6816 mm         6902 mm           with Bucket at Carry Position ft/in         22'5"         22'8"           Static Tipping Load, Straight kg         14 260 mm         14 119 mm           (With tire deflection)         1b         31,437 mm         31,128 mm           Static Tipping Load, Straight kg         15 102 mm         14 961 mm         14 961 mm           (No tire deflection)         1b         33,296 mm         32,983 mm           Static Tipping Load, kg         12 123 mm         11 982 mm           Articulated (With tire deflection)         1b         26,726 mm         26,417 mm           Static Tipping Load, Articulated kg         12 978 mm         12 836 mm         14 43 mm           Operating Weight*         kg	17† Reach at Maximum Lift and	mm	1360	1462
Bucket Level         ft/in         99"         10'3"           At Digging Depth         mm         113         113           in         4.4"         4.4"           2t Overall Length         mm         8749         8922           ft/in         28'9"         29'4"           Bt Overall Height with Bucket at mm         5843         5843           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius mm         6816         6902           with Bucket at Carry Position         ft/in         22'5"         22'8"           Static Tipping Load, Straight         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load,         kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300     <	45° Discharge	ft/in	4'5"	4'9"
A† Digging Depth         mm         113         113           2† Overall Length         mm         8749         8922           † (/in)         289"         294"           B† Overall Height with Bucket at Maximum Lift         mm         5843         5843           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius mm         6816         6902           with Bucket at Carry Position         ft/in         22'5"         22'8"           Static Tipping Load, Straight         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load,         kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force(§)         kN         144         143           1bf         32,521	Reach at Level Lift Arm and	mm	2988	3149
in         4.4"         4.4"           2† Overall Length         mm         8749         8922           ft/in         28'9"         29'4"           B† Overall Height with Bucket at Mmm         5843         5843           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius mm         6816         6902           with Bucket at Carry Position         ft/in         22'5"         22'8"           Static Tipping Load, Straight         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load,         kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force (§)         kN         144         143           Breakout Force (§)         kN         144         143 </td <td>Bucket Level</td> <td>ft/in</td> <td>9'9"</td> <td>10'3"</td>	Bucket Level	ft/in	9'9"	10'3"
2† Overall Length         mm         8749         8922           ft/in         28'9"         29'4"           B† Overall Height with Bucket at Maximum Lift         mm         5843         5843           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius mm         6816         6902           with Bucket at Carry Position         ft/in         22'5"         22'8"           Static Tipping Load, Straight         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load,         kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force (§)         kN         144         143           lbf         32,521         32,258           Operating Weight*         kg <t< td=""><td>A† Digging Depth</td><td>mm</td><td>113</td><td>113</td></t<>	A† Digging Depth	mm	113	113
B† Overall Height with Bucket at Maximum Lift         mm         5843         5843           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius         mm         6816         6902           with Bucket at Carry Position         ft/in         22'5"         22'8"           Static Tipping Load, Straight (With tire deflection)         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight (No tire deflection)         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load, kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force(§)         kN         144         143           Ibf         32,521         32,258           Operating Weight*         kg         20 369         20 477		in	4.4"	4.4"
B† Overall Height with Bucket at Maximum Lift         mm         5843         5843           Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius         mm         6816         6902           with Bucket at Carry Position         ft/in         22'5"         22'8"           Static Tipping Load, Straight         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load,         kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force (§)         kN         144         143           lbf         32,521         32,258           Operating Weight*         kg         20 369         20 477	12† Overall Length	mm	8749	8922
Maximum Lift         ft/in         19'3"         19'3"           Loader Clearance Circle Radius with Bucket at Carry Position         mm         6816         6902           with Bucket at Carry Position         ft/in         22'5"         22'8"           Static Tipping Load, Straight         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load,         kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force(§)         kN         144         143           Breakout Force(§)         kN         144         143           Operating Weight*         kg         20 369         20 477		ft/in	28'9"	29'4"
Loader Clearance Circle Radius mm 6816 6902 with Bucket at Carry Position ft/in 22'5" 22'8"  Static Tipping Load, Straight kg 14 260 14 119 (With tire deflection) lb 31,437 31,128  Static Tipping Load, Straight kg 15 102 14 961 (No tire deflection) lb 33,296 32,983  Static Tipping Load, kg 12 123 11 982 Articulated (With tire deflection) lb 26,726 26,417  Static Tipping Load, Articulated kg 12 978 12 836 (No tire deflection) lb 28,613 28,300  Breakout Force(§) kN 144 143 143  16bf 32,521 32,258  Operating Weight* kg 20 369 20 477	<b>B</b> † Overall Height with Bucket at	mm	5843	5843
with Bucket at Carry Position         ft/in         22'5"         22'8"           Static Tipping Load, Straight (With tire deflection)         kg         14 260         14 119           (With tire deflection)         lb         31,437         31,128           Static Tipping Load, Straight (No tire deflection)         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load, kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force (§)         kN         144         143           lbf         32,521         32,258           Operating Weight*         kg         20 369         20 477	Maximum Lift	ft/in	19'3"	19'3"
Static Tipping Load, Straight (With tire deflection)       kg       14 260       14 119         (With tire deflection)       lb       31,437       31,128         Static Tipping Load, Straight (No tire deflection)       kg       15 102       14 961         (No tire deflection)       lb       33,296       32,983         Static Tipping Load, kg       12 123       11 982         Articulated (With tire deflection)       lb       26,726       26,417         Static Tipping Load, Articulated kg       12 978       12 836         (No tire deflection)       lb       28,613       28,300         Breakout Force (§)       kN       144       143         lbf       32,521       32,258         Operating Weight*       kg       20 369       20 477	Loader Clearance Circle Radius	mm	6816	6902
(With tire deflection)       lb       31,437       31,128         Static Tipping Load, Straight       kg       15 102       14 961         (No tire deflection)       lb       33,296       32,983         Static Tipping Load,       kg       12 123       11 982         Articulated (With tire deflection)       lb       26,726       26,417         Static Tipping Load, Articulated       kg       12 978       12 836         (No tire deflection)       lb       28,613       28,300         Breakout Force (§)       kN       144       143         lbf       32,521       32,258         Operating Weight*       kg       20 369       20 477	with Bucket at Carry Position	ft/in	22'5"	22'8"
Static Tipping Load, Straight (No tire deflection)         kg         15 102         14 961           (No tire deflection)         lb         33,296         32,983           Static Tipping Load, kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force (§)         kN         144         143           lbf         32,521         32,258           Operating Weight*         kg         20 369         20 477	Static Tipping Load, Straight	kg	14 260	14 119
(No tire deflection)         lb         33,296         32,983           Static Tipping Load,         kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force(§)         kN         144         143           lbf         32,521         32,258           Operating Weight*         kg         20 369         20 477	(With tire deflection)	lb	31,437	31,128
Static Tipping Load,         kg         12 123         11 982           Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force(§)         kN         144         143           lbf         32,521         32,258           Operating Weight*         kg         20 369         20 477	Static Tipping Load, Straight	kg	15 102	14 961
Articulated (With tire deflection)         lb         26,726         26,417           Static Tipping Load, Articulated (No tire deflection)         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force (§)         kN         144         143           lbf         32,521         32,258           Operating Weight*         kg         20 369         20 477	(No tire deflection)	lb	33,296	32,983
Static Tipping Load, Articulated (No tire deflection)         kg         12 978         12 836           (No tire deflection)         lb         28,613         28,300           Breakout Force (§)         kN         144         143           lbf         32,521         32,258           Operating Weight*         kg         20 369         20 477	Static Tipping Load,	kg	12 123	11 982
(No tire deflection)         1b         28,613         28,300           Breakout Force (§)         kN         144         143           1bf         32,521         32,258           Operating Weight*         kg         20 369         20 477	Articulated (With tire deflection)	lb	26,726	26,417
Breakout Force (§)         kN         144         143           Ibf         32,521         32,258           Operating Weight*         kg         20 369         20 477		kg	12 978	12 836
lbf         32,521         32,258           Operating Weight*         kg         20 369         20 477	(No tire deflection)	lb	28,613	28,300
Operating Weight* kg 20 369 20 477	Breakout Force(§)	kN	144	143
, , ,		lbf	32,521	32,258
lb 44,906 45,144	Operating Weight*	kg	20 369	20 477
		lb	44,906	45,144

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

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

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

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

<sup>\*\*</sup>Aggregate Handler configuration is not compatible with rock buckets, and high lift.

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

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

Linkage		Aggregate Handler				
Bucket Type		Multi-Purpo:	se – Pin-On	Multi-Purpose – Hook-On – Fusion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	2.80	2.80	2.90	2.90	
	$yd^3$	3.50	3.50	3.75	3.75	
Capacity – Rated at 110% Fill Factor	$m^3$	3.00	3.00	3.20	3.20	
	$yd^3$	4.00	4.00	4.25	4.25	
Width	mm	2942	2999	3007	3000	
	ft/in	9'7"	9'10"	9'10"	9'10"	
16† Dump Clearance at Maximum Lift	mm	3131	3023	3123	3014	
and 45° Discharge	ft/in	10'3"	9'11"	10'2"	9'10"	
17† Reach at Maximum Lift and	mm	1268	1384	1358	1477	
45° Discharge	ft/in	4'1"	4'6"	4'5"	4'10"	
Reach at Level Lift Arm and	mm	2638	2795	2716	2877	
Bucket Level	ft/in	8'7"	9'2"	8'10"	9'5"	
A† Digging Depth	mm	140	140	93	93	
	in	5.5"	5.5"	3.6"	3.6"	
12† Overall Length	mm	8420	8590	8462	8637	
	ft/in	27'8"	28'3"	27'10"	28'5"	
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	5455	5455	5541	5541	
Maximum Lift	ft/in	17'11"	17'11"	18'3"	18'3"	
Loader Clearance Circle Radius	mm	6735	6813	6763	6815	
with Bucket at Carry Position	ft/in	22'2"	22'5"	22'3"	22'5"	
Static Tipping Load, Straight	kg	14 882	14 731	14 446	14 317	
(With tire deflection)	lb	32,810	32,478	31,849	31,564	
Static Tipping Load, Straight	kg	15 716	15 564	15 310	15 179	
(No tire deflection)	lb	34,648	34,313	33,753	33,466	
Static Tipping Load,	kg	12 692	12 541	12 260	12 131	
Articulated (With tire deflection)	lb	27,981	27,648	27,029	26,745	
Static Tipping Load, Articulated	kg	13 538	13 386	13 136	13 005	
(No tire deflection)	lb	29,847	29,511	28,959	28,672	
Breakout Force(§)	kN	189	188	176	175	
	lbf	42,571	42,257	39,738	39,474	
Operating Weight*	kg	20 124	20 243	20 595	20 694	
	lb	44,366	44,627	45,403	45,622	

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

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

<sup>\*\*</sup>Aggregate Handler configuration is not compatible with rock buckets, and high lift.

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

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

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

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

Linkage		Aggregate Handler				
Bucket Type		High Dump – H	ook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges			
Capacity – Rated	m <sup>3</sup>	4.30	6.10			
	$yd^3$	5.50	8.00			
Capacity – Rated at 110% Fill Factor	$m^3$	4.70	6.70			
	$yd^3$	6.25	8.75			
Width	mm	3029	2910			
	ft/in	9'11"	9'6"			
16† Dump Clearance at Maximum Height	mm	4796	4699			
and High Dump Fully Rolled Out (42°)	ft/in	15'7"	15'4"			
17† Reach at Maximum Height and High	mm	1599	1741			
Dump Fully Rolled Out (42°)	ft/in	5'2"	5'7"			
Reach at Level Lift Arm and	mm	3195	3341			
Bucket Level	ft/in	10'5"	10'11"			
A† Digging Depth	mm	174	179			
	in	6.8"	7"			
12† Overall Length	mm	9001	9151			
	ft/in	29'7"	30'1"			
<b>B</b> † Overall Height at Maximum Height and	mm	6662	6990			
High Dump Fully Rolled Out (42°)	ft/in	21'9"	22'9"			
Loader Clearance Circle Radius	mm	6949	6945			
with Bucket at Carry Position	ft/in	22'10"	22'10"			
Static Tipping Load, Straight	kg	13 107	12 888			
(With tire deflection)	lb	28,896	28,413			
Static Tipping Load, Straight	kg	13 912	13 771			
(No tire deflection)	lb	30,671	30,361			
Static Tipping Load,	kg	11 041	10 791			
Articulated (With tire deflection)	lb	24,342	23,790			
Static Tipping Load, Articulated	kg	11 860	11 685			
(No tire deflection)	lb	26,148	25,761			
Breakout Force (§)	kN	123	111			
	lbf	27,856	25,109			
Operating Weight*	kg	20 944	21 304			
	lb	46,174	46,968			

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

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

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

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

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

<sup>\*\*</sup>Aggregate Handler configuration is not compatible with rock buckets, and high lift.

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

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

Linkage		Aggregate Handler	
Bucket Type		Woodchip – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	
Capacity – Rated	$m^3$	7.70	
	$yd^3$	10.00	
Capacity – Rated at 110% Fill Factor	$m^3$	8.40	
	$yd^3$	11.00	
Width	mm	3330	
	ft/in	10'11"	
16† Dump Clearance at Maximum Lift	mm	2611	
and 45° Discharge	ft/in	8'6"	
17† Reach at Maximum Lift and	mm	1539	
45° Discharge	ft/in	5'0"	
Reach at Level Lift Arm and	mm	3236	
Bucket Level	ft/in	10'7"	
A† Digging Depth	mm	108	
	in	4.2"	
12† Overall Length	mm	8994	
	ft/in	29'7"	
<b>B</b> † Overall Height with Bucket at	mm	6294	
Maximum Lift	ft/in	20'8"	
Loader Clearance Circle Radius	mm	7069	
with Bucket at Carry Position	ft/in	23'3"	
Static Tipping Load, Straight	kg	14 856	
(With tire deflection)	lb	32,753	
Static Tipping Load, Straight	kg	15 876	
(No tire deflection)	lb	35,001	
Static Tipping Load,	kg	12 604	
Articulated (With tire deflection)	lb	27,787	
Static Tipping Load, Articulated	kg	13 630	
(No tire deflection)	lb	30,049	
Breakout Force(§)	kN	122	
	lbf	27,565	
Operating Weight*	kg	20 497	
	lb	45,188	

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

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

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

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

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

<sup>\*\*</sup>Aggregate Handler configuration is not compatible with rock buckets, and high lift.

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

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

Linkage		Aggregate Handler		
Bucket Type		Side Dump – Pin-On – Abrasion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	2.50	2.50	
	$yd^3$	3.25	3.25	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	2.80	2.80	
	$yd^3$	3.75	3.75	
Width	mm	3065	3166	
	ft/in	10'0"	10'4"	
16† Dump Clearance at Maximum Lift	mm	2853	2695	
and 45° Discharge	ft/in	9'4"	8'10"	
17† Reach at Maximum Lift and	mm	1294	1397	
45° Discharge	ft/in	4'2"	4'7"	
Reach at Level Lift Arm and	mm	2891	3075	
Bucket Level	ft/in	9'5"	10'1"	
A† Digging Depth	mm	110	110	
	in	4.3"	4.3"	
2† Overall Length	mm	8651	8864	
	ft/in	28'5"	29'1"	
<b>B</b> † Overall Height with Bucket at	mm	5911	5911	
Maximum Lift	ft/in	19'5"	19'5"	
Loader Clearance Circle Radius	mm	6850	6965	
with Bucket at Carry Position	ft/in	22'6"	22'11"	
Static Tipping Load, Straight	kg	13 065	12 842	
(With tire deflection)	lb	28,805	28,312	
Static Tipping Load, Straight	kg	13 892	13 666	
(No tire deflection)	lb	30,628	30,129	
Static Tipping Load,	kg	10 985	10 762	
Articulated (With tire deflection)	lb	24,219	23,726	
Static Tipping Load, Articulated	kg	11 826	11 599	
(No tire deflection)	lb	26,072	25,572	
Breakout Force(§)	kN	149	148	

33,694

21 105

46,529

Operating Weight\*

lbf

kg

lb

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

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

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

33,278

21 282

46,919

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

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

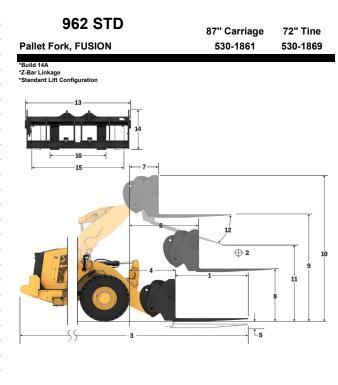
<sup>\*\*</sup>Aggregate Handler configuration is not compatible with rock buckets, and high lift.

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

# **Fork Specifications**

#### **Fork Specifications**

	rk Specifications		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9619
	11 0 0 0 7	lbs	21200 8305
	Static Tipping Load - Articulated (Forks Level)	kg lbs	18304
	D + 11	kg	4153
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9152
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4983
	Trated Load (CEN EN 474-5 Rough Terrain - 00 % 1 151E)	lbs	10983
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6240
		lbs mm	13752 9350
3	Maximum Overall Length	in	368.1
_	Barack with Fadra at Consult and	mm	1293
4	Reach with Forks at Ground Level	in	50.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-170
	Ground to Bottom of Time at Minimum Froight and Fork Ecver	in	-6.7
6	Reach with Arms Horizontal and Forks Level	mm	1782
		in	70.2 860
7	Reach with Fork at Maximum Height	mm in	33.9
_	0 11 7 (7 31 4 11 1 15 11 1	mm	1740
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	68.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3858
	Ordana to Top of Time at Maximum Fleight and Fork Edver	in	151.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4633
_	* * * * * * * * * * * * * * * * * * * *	in mm	182.4 2240
11	Clearance at Full Lift and Max Dump	in	88.2
40	Man Diaghanna Angla from Harimontal		
12	Max Discharge Angle from Horizontal	deg	48
13	Overall Carriage Width	mm	2217
	O Toran Carriago Triadi	in	87.3
14	Overall Carriage Height	mm in	840 33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
10	Outside Title Width (Illin Spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	, J	in	5.9
	Tine Thickness	mm in	65.0 2.6
		kg	5246
	Tine Capacity	lbs	11562
	Operating Weight	kg	18707
	Operating Weight	lbs	41230



Hinge (B) Pin Height (mm)

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

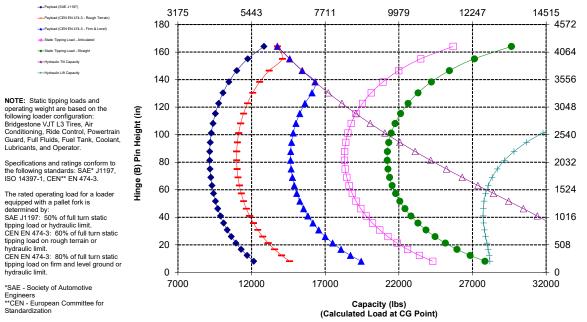
Payload (CEN EN 474-3 - Firm & Level

Lubricants, and Operator.

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

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

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

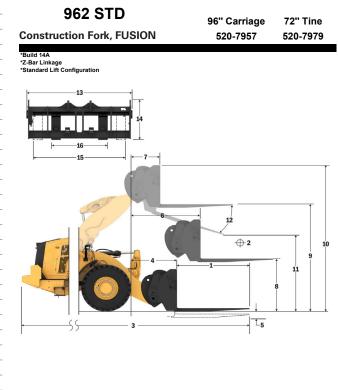


<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

#### **Fork Specifications**

	rk opcomedions		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	9341 20588
	CA-4:- Time:   A-4:   /F	kg	8024
	Static Tipping Load - Articulated (Forks Level)	lbs	17685
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4012 8843
		lbs ka	4814
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10611
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6419
	Traces asses (Salt are the first are assessed assessed as a first are assessed as a first are as a first are as a first are a	lbs	14148 9305
3	Maximum Overall Length	mm in	366.3
4	Reach with Forks at Ground Level	mm	1249
-4	Reach with Forks at Ground Level	in	49.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
		in mm	-3.6 1775
6	Reach with Arms Horizontal and Forks Level	in	69.9
7	Reach with Fork at Maximum Height	mm	853
	Treach with the at waximum rieight	in	33.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1844 72.6
_	O 11 T (T 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	3963
9	Ground to Top of Tine at Maximum Height and Fork Level	in	156.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5003
		in mm	197.0 2168
11	Clearance at Full Lift and Max Dump	in	85.4
12	Max Discharge Angle from Horizontal	deg	54
	Max Discharge Angle Iron Horizontal		
13	Overall Carriage Width	mm in	2528 99.5
	0 10 : 11:11	mm	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
	Time Trial (single time)	in	7.1
	Tine Thickness	mm in	90.0 3.5
_	Tine Canasity	ka	14800
	Tine Capacity	lbs	32619
	Operating Weight	kq	19096
	-1 5 5"	lbs	42088



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

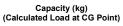
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator.

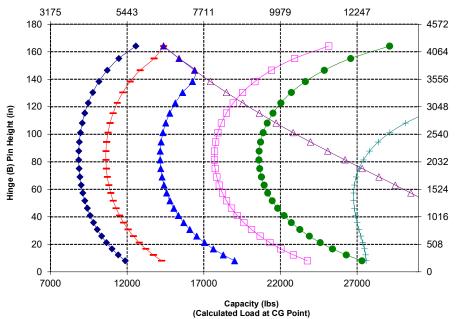
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

Lubricants, and Operator.







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

Pin Height (mm)

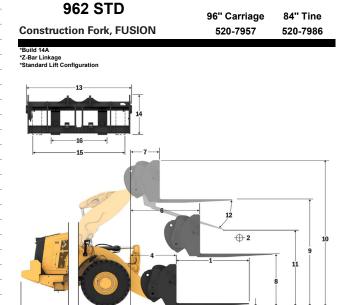
Hinge (B)

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

# **Fork Specifications**

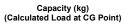
#### **Fork Specifications**

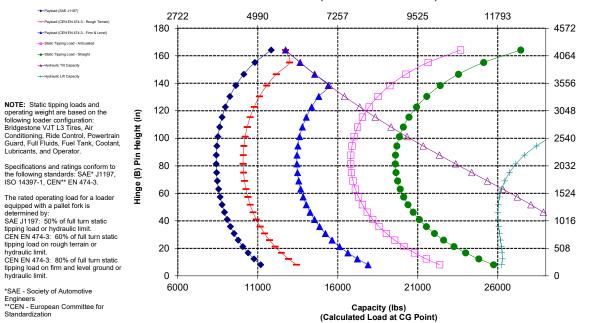
	ik Opecinications		
1	Tine Length	mm	2134 84.0
_	1 10 1	in mm	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8885
	Static ripping Load - Straight (Forks Level)	lbs	19583
	Static Tipping Load - Articulated (Forks Level)	kg	7623
	(	lbs	16800
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3811
	,	lbs	8400 4574
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	10080
_		kg	5777
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12732
_	Manifestora Occasilla annulu	mm	9610
3	Maximum Overall Length	in	378.4
4	Reach with Forks at Ground Level	mm	1249
	Neadii Willi Folks at Glouliu Level	in	49.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
_	Ground to Bottom or Time at William Trought and Tork Edver	in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1775
		in	69.9
7	Reach with Fork at Maximum Height	ḿш	853
		in	33.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1844 72.6
_		mm	3963
9	Ground to Top of Tine at Maximum Height and Fork Level	in	156.0
	0	mm	5003
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	197.0
	Oleannes at Full Life and Mary Downs	mm	1921
11	Clearance at Full Lift and Max Dump	in	75.6
12	Max Discharge Angle from Horizontal	deg	54
-12	Wax Discharge Angle Iron Honzontal		
13	Overall Carriage Width	mm	2528
	Oreitain Garriage Fridain	in	99.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2178
15	Outside Tine Width (max spread)	in	85.7
		mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tin - \A(i, \alpha) (-in a) - 4in -\	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	12700
	inc separate	lbs	27991
	Operating Weight	ka	19159
		lbs	42226



Hinge (B) Pin Height (mm)

Payload (CEN EN 474-3 - Firm & Level







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

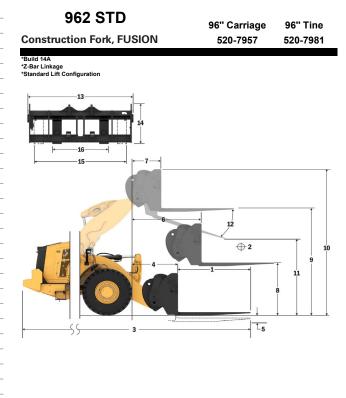
Lubricants, and Operator.

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

### **Fork Specifications**

#### **Fork Specifications**

	rk opcomedions		
1	Tine Length	mm in	2438 96.0
	Load Center	mm	1219
	Load Certier	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	8463 18653
	Chatia Time in a Land Additional of (Fortical access)	kg	7251
	Static Tipping Load - Articulated (Forks Level)	lbs	15980
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	3625 7990
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4350 9588
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5165
_	,	lbs mm	11383 9914
3	Maximum Overall Length	in	390.3
4	Reach with Forks at Ground Level	mm	1249
	Reach with Forks at Ground Level	in	49.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
_		in mm	-3.6 1775
6	Reach with Arms Horizontal and Forks Level	in	69.9
7	Reach with Fork at Maximum Height	mm	853
	Treach with the at waximum rieight	in	33.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1844 72.6
_	One and to Top of Tip of AMerican and Height and Food Law of	mm	3963
9	Ground to Top of Tine at Maximum Height and Fork Level	in	156.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5003
		in mm	197.0 1675
11	Clearance at Full Lift and Max Dump	in	65.9
12	Max Discharge Angle from Horizontal	deg	54
42	Overall Carriage Width	mm	2528
-13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Catolac Fine Fridan (Finin oproduc)	in	22.7 180.0
	Tine Width (single tine)	mm in	7.1
	Tine Thickness	mm in	90.0 3.5
_	T 0	ka	11300
	Tine Capacity	lbs	24905
	Operating Weight	kq	19221
	=r	lbs	42363



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

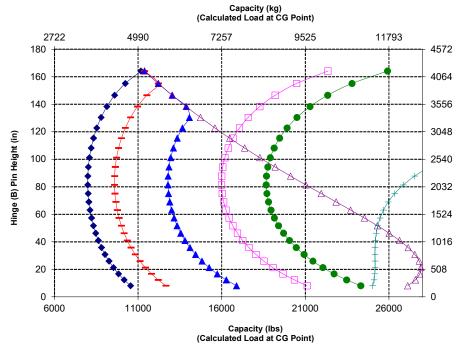


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator. Lubricants, and Operator.

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





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

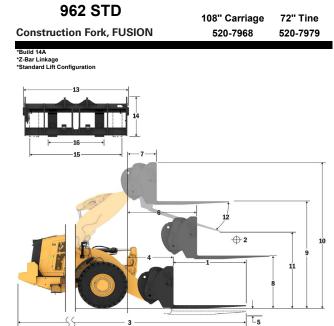
Pin Height (mm)

Hinge (B)

# **Fork Specifications**

#### **Fork Specifications**

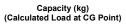
	ik opcomoutions		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9307
	11 0 0 1	lbs	20512
	Static Tipping Load - Articulated (Forks Level)	kg lbs	7989 17609
		kg	3995
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8804
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4794
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	10565
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6392
	Trained Edita (OETT ETT TO TIME and Edital Orderia Control To TE)	lbs	14087
3	Maximum Overall Length	mm	9305
		in mm	366.3 1249
4	Reach with Forks at Ground Level	in	49.2
_		mm	-91
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.6
_	Reach with Arms Horizontal and Forks Level	mm	1775
6	Reach with Arms Horizontal and Forks Level	in	69.9
7	Reach with Fork at Maximum Height	mm	853
	Treach with Fork at Maximum Fleight	in	33.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1844
_		in	72.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3963
	<u> </u>	in mm	156.0 5003
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	197.0
	0	mm	2168
11	Clearance at Full Lift and Max Dump	in	85.4
12	Max Discharge Angle from Horizontal	deg	54
12	Max Discharge Angle Iron Horizonial		-
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm in	1130 44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
40	Outside Time Width (usin several)	mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Tino Widan (Single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	14800
_	· · ·	lbs	32619
	Operating Weight	ka lbs	19146 42198
		เมธ	+2190

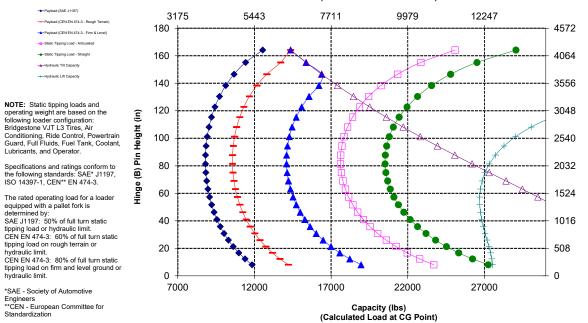


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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





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

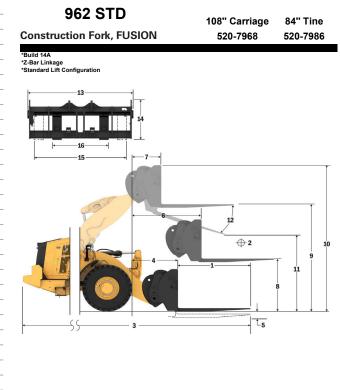
Lubricants, and Operator.

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

### **Fork Specifications**

#### **Fork Specifications**

	ik Opcomoduono		
1	Tine Length	mm in	2134 84.0
	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8853
	otatio ripping 2000 ottaignt (1 onto 2010)	lbs	19512
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	7590 16729
	D	kg	3795
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8365
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4554
	Traited Estate (SETT ETT 17 T STIGUIGHT SOUTH TOTE)	lbs	10037
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	5770 12718
_		mm	9610
3	Maximum Overall Length	in	378.4
4	Reach with Forks at Ground Level	mm	1249
	Trought Will 1 Onto at Ground Edvor	in	49.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
_		in mm	-3.6 1775
6	Reach with Arms Horizontal and Forks Level	in	69.9
7	Reach with Fork at Maximum Height	mm	853
	Reach with Fork at Maximum Height	in	33.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1844
	<u> </u>	in mm	72.6 3963
9	Ground to Top of Tine at Maximum Height and Fork Level	in	156.0
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5003
10	Overall Height of Fork at Full Lift (top of carnage to ground)	in	197.0
11	Clearance at Full Lift and Max Dump	mm	1921
		in	75.6
12	Max Discharge Angle from Horizontal	deg	54
42	Overall Carriage Width	mm	2833
13	Overali 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
	O 1 11 T 14/11/11 / 1	mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Time Trials (single sine)	in	7.1
	Tine Thickness	mm	90.0
_		in ka	3.5 12700
	Tine Capacity	lbs	27991
	Operating Weight	kg	19208
	Operating Weight	lbs	42334



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

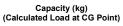
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator.

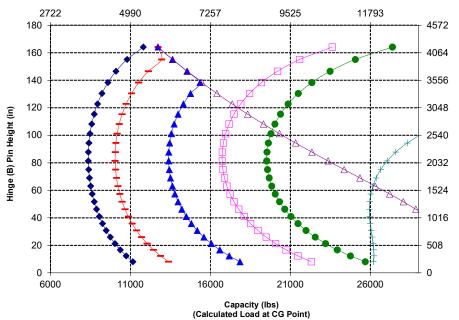
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

Lubricants, and Operator.







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

Pin Height (mm)

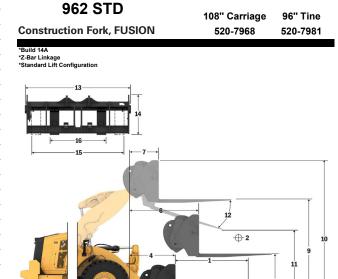
Hinge (B)

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

# **Fork Specifications**

#### **Fork Specifications**

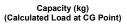
	rk Specifications		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8431
		lbs kg	18583 7219
	Static Tipping Load - Articulated (Forks Level)	lbs	15910
	D-t111 (OAE 14407 FOO) FTOTI )	kg	3609
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7955
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4331
	rtatea Eoda (OEI EI 47 4 0 Roagh Tohain - 00 % 1 Tote)	lbs	9546
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5158 11368
_		mm	9914
3	Maximum Overall Length	in	390.3
4	Reach with Forks at Ground Level	mm	1249
4	Reach with Forks at Glound Level	in	49.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
_	Croana to Bottom or timo at timiliman riolgiti and ronk 2010	in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1775
_		in mm	69.9 853
7	Reach with Fork at Maximum Height	in	33.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1844
۰	Ground to Top of Tine with Arms Honzontal and Fork Level	in	72.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3963
		in	156.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5003 197.0
		mm	1675
11	Clearance at Full Lift and Max Dump	in	65.9
42	Max Discharge Angle from Horizontal	deg	54
12	Max Discharge Angle Iron Horizonial		-
13	Overall Carriage Width	mm	2833
_		in	111.5 1130
14	Overall Carriage Height	mm in	44.5
	O LIL T. WEN / N	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Outside Title Width (Hill Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1 90.0
	Tine Thickness	mm in	3.5
	Time Occupation	kg	11300
	Tine Capacity	lbs	24905
	Operating Weight	kq	19271
	Operating recignit	lbs	42473

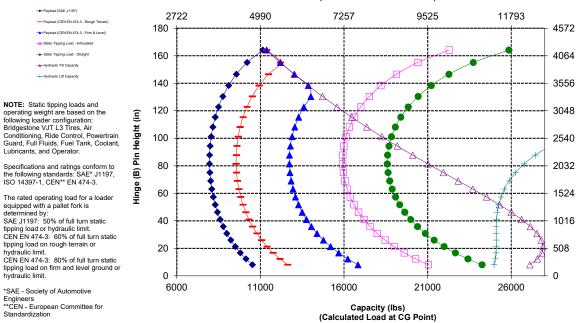


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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





Lubricants, and Operator.

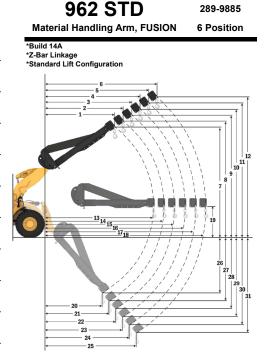
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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 ground the static tipping load on tipm and level cround or

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

# **Material Handling Arm Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
M 1.77 11 1.5 1.15 1.4 0.0 4.5 0)	mm	2,058	2,189	2,320	2,451	2,582	2,713
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	6' 9"	7' 2"	7' 7"	8' 0"	8' 5"	8' 10"
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	mm	7,039	7,314	7,589	7,864	8,139	8,414
wax Litt - Hook Eyelet Height (7, 6, 9, 10, 11, 12)	ft, in	23' 1"	23' 11"	24' 10"	25' 9"	26' 8"	27' 7"
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	mm	4,640	4,945	5,250	5,554	5,859	6,164
Level - Hook Eyelet Reach (13, 14, 13, 16, 17, 16)	ft, in	15' 2"	16' 2"	17' 2"	18' 2"	19' 2"	20' 2"
Lavel Harly Evelet Height (40)	mm	1,810	1,810	1,810	1,810	1,810	1,810
Level - Hook Eyelet Height (19)	ft, in	5' 11.2"	5' 11.2"	5' 11.2"	5' 11.2"	5' 11.2"	5' 11.2"
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	mm	1,484	1,579	1,674	1,770	1,865	1,960
	ft, in	4' 10"	5' 2"	5' 5"	5' 9"	6' 1"	6' 5"
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	mm	(2,998)	(3,288)	(3,577)	(3,867)	(4,156)	(4,446
Min Litt - Hook Eyelet Height (26, 27, 26, 29, 30, 31)	ft, in	-9' 1"	-10' 2"	-11' 3"	-12' 3"	-13' 4"	-14' 4"
Challe Timeler Land Charlet	kg	6,285	5,945	5,639	5,363	5,111	4,881
Static Tipping Load, Straight	lb	13,852	13,103	12,429	11,819	11,265	10,758
Static Tipping Load, Articulated	kg	5,441	5,146	4,880	4,640	4,421	4,221
	lb	11,992	11,341	10,756	10,226	9,744	9,304
	kg	18,418	18,418	18,418	18,418	18,418	18,418
Operating Weight	lb	40,593	40,593	40,593	40,593	40,593	40,593





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

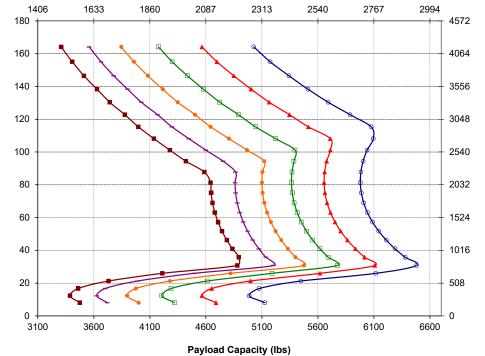
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1 Hinge (B) Pin Height (in)

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

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

\*SAE - Society of Automotive Engineers

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

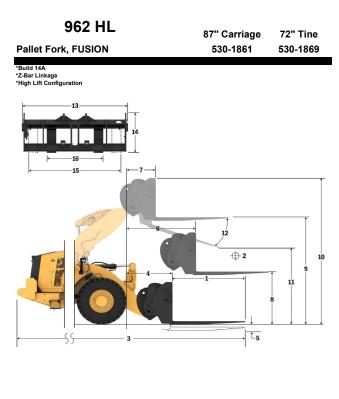


Hinge (B) Pin Height (mm)

### **Fork Specifications**

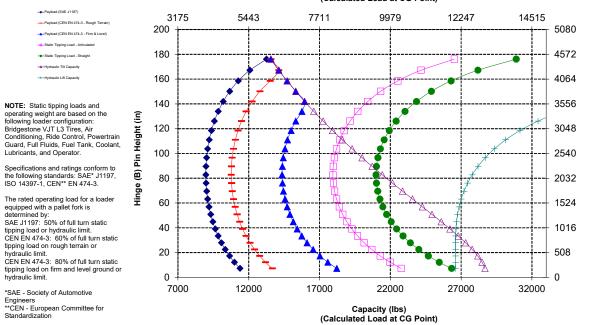
#### **Fork Specifications**

_			
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9519
	11 0 0 0	lbs	20979
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8139 17938
		ka	4069
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8969
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4883
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	10763
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6153
		lbs	13560
3	Maximum Overall Length	mm	9820
	<u> </u>	in	386.6 1654
4	Reach with Forks at Ground Level	mm in	65.1
_		mm	-192
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-7.5
6	Reach with Arms Horizontal and Forks Level	mm	2088
•	Reach with Arms Honzontal and Porks Level	in	82.2
7	Reach with Fork at Maximum Height	mm	978
•	Treach with Fork at Maximum Fleight	in	38.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1740
		in	68.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4164 163.9
		mm	4939
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	194.4
44	Clearance at Full Lift and May Dumn	mm	2606
11	Clearance at Full Lift and Max Dump	in	102.6
12	Max Discharge Angle from Horizontal	deg	45
	Wax Disorarge 7 rigio irom Fiorizoniai		
13	Overall Carriage Width	mm	2217
		in	87.3
14	Overall Carriage Height	mm in	840 33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
10	Outside Title Width (Illin Spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	The Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kg lbs	5246 11562
		ka	19992
	Operating Weight	lbs	44063
		100	



Hinge (B) Pin Height (mm)

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



\*SAE - Society of Automotive

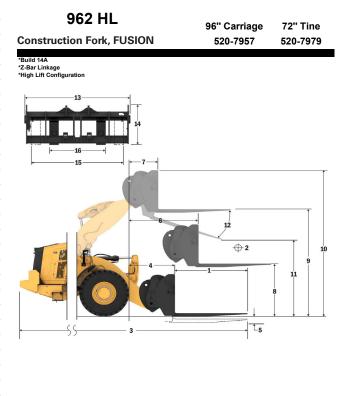
Lubricants, and Operator.

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

### **Fork Specifications**

#### **Fork Specifications**

	ik Opcomoduona		
1	Tine Length	mm in	1829 72.0
_		mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9232
	Static Tipping Load - Straight (Forks Level)	lbs	20347
	Static Tipping Load - Articulated (Forks Level)	kg	7849
	State Tipping Load Translated (Forto Lovel)	lbs	17299
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3924
	,	lbs	8649 4709
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	10379
		kg	6279
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13839
_		mm	9780
3	Maximum Overall Length	in	385.0
4	Reach with Forks at Ground Level	mm	1615
	Reach with Forks at Glound Level	in	63.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-112
	Ground to Bottom of Time at William Trought and Tork Edver	in	-4.4
6	Reach with Arms Horizontal and Forks Level	mm	2081
	Trought Many and Florizontal and Forto 2010	in	81.9
7	Reach with Fork at Maximum Height	mm	971
		in	38.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1844
	·	in	72.6 4268
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	168.0
		mm	5308
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.0
	0	mm	2527
11	Clearance at Full Lift and Max Dump	in	99.5
42	Max Discharge Angle from Horizontal	don	51
12	Max Discharge Angle Ironi Horizoniai	deg	
13	Overall Carriage Width	mm	2528
	Overall Garriage Wilder	in	99.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2178
	<u>` ' ' '</u>	in mm	85.7 576
16	Outside Tine Width (min spread)	in	22.7
		mm	180.0
	Tine Width (single tine)	in	7.1
	The Thistones	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	14800
	тие барабку	lbs	32619
	Operating Weight	kg	20381
	Operating Weight	lbs	44920

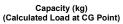


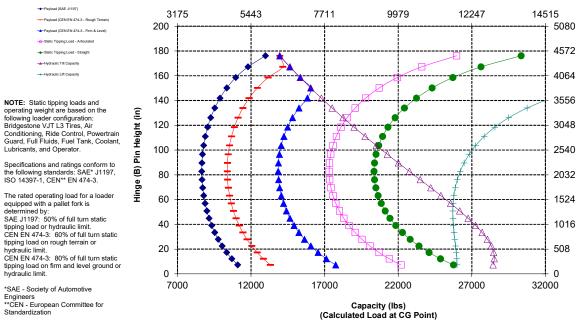
- Payload (CEN EN 474-3 - Rough Te

Lubricants, and Operator.

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

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





\*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.

Pin Height (mm)

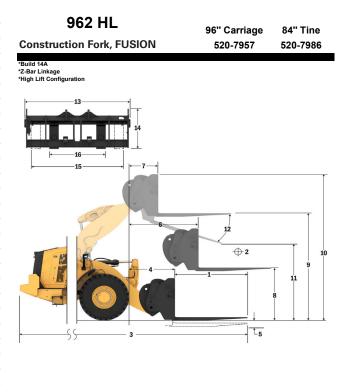
Hinge (B)

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

# **Fork Specifications**

#### **Fork Specifications**

	ik opecinications		
1	Tine Length	mm	2134 84.0
_		in mm	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8810
	Static Tipping Load - Straight (Porks Lever)	lbs	19418
	Static Tipping Load - Articulated (Forks Level)	kg	7480
	otatio ripping zoda - / titodiatoa (r orito zovot)	lbs	16486
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3740
		lbs	8243
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	4488 9892
		kg	5602
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12346
		mm	10085
3	Maximum Overall Length	in	397.0
	Reach with Forks at Ground Level	mm	1615
4	Reach with Forks at Ground Level	in	63.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-112
	Ground to Bottom of Time at William Height and Fork Level	in	-4.4
6	Reach with Arms Horizontal and Forks Level	mm	2081
	Treasi Will 7 (111) Tronzontal and 1 one Eevel	in	81.9
7	Reach with Fork at Maximum Height	mm	971
	Trough man on at maximum rioight	in	38.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1844
	·	in	72.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4268
	<u> </u>	in mm	168.0 5308
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.0
		mm	2288
11	Clearance at Full Lift and Max Dump	in	90.1
	H 5: 1 A 1 ( H : 1)		
12	Max Discharge Angle from Horizontal	deg	51
12	Overall Carriage Width	mm	2528
-13	Overall Carriage viluli	in	99.5
14	Overall Carriage Height	mm	1130
	Overall Carriage Fieight	in	44.5
15	Outside Tine Width (max spread)	mm	2178
		in	85.7
16	Outside Tine Width (min spread)	mm	576
	<u> </u>	in mm	22.7 180.0
	Tine Width (single tine)	in	7.1
		mm	90.0
	Tine Thickness	in	3.5
	Ti 0it-	ka	12700
	Tine Capacity	lbs	27991
	Operating Weight	kg	20444
	Operating Weight	lbs	45059



Pin Height (mm)

Hinge (B)

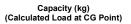
- Payload (CEN EN 474-3 - Rough Ter

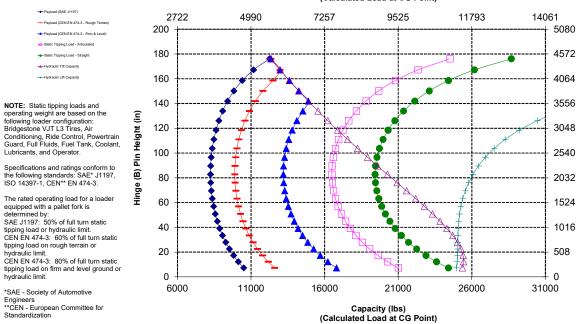
Lubricants, and Operator.

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\*\*CEN - European Committee for

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

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



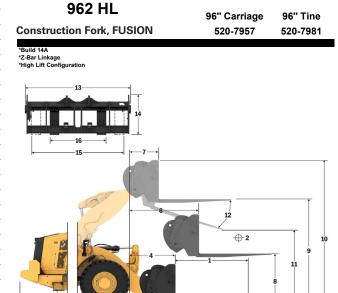


<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

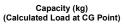
#### **Fork Specifications**

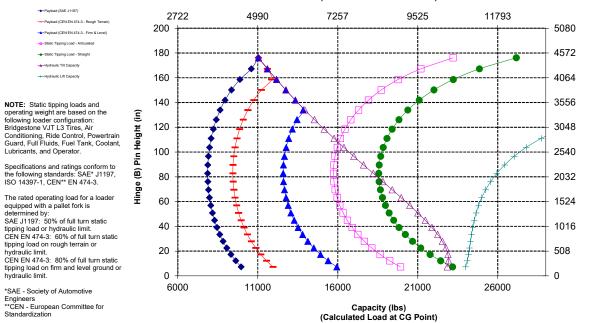
1	Tine Length	mm in	2438 96.0
_	Lood Contor	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8418
	Citato Tipping Load - Citatgrit (Forko Level)	lbs	18552
	Static Tipping Load - Articulated (Forks Level)	kg	7136
		lbs kg	15728 3568
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	7864
	D-4-414 (OFN EN 474 2 D-4-4 T-4-4-4-	kg	4282
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	9437
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5006
	Trace Edda (OEIV EIV 474 OT IIII and Edver Ground - 0070 1 TOTE)	lbs	11033
3	Maximum Overall Length	mm	10389
	· •	in	409.0 1615
4	Reach with Forks at Ground Level	mm in	63.6
_		mm	-112
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-4.4
6	Reach with Arms Horizontal and Forks Level	mm	2081
0	Reach with Arms Horizontal and Porks Level	in	81.9
7	Reach with Fork at Maximum Height	mm	971
	Trough man for at maximum froight	in	38.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1844
	<u> </u>	in mm	72.6 4268
9	Ground to Top of Tine at Maximum Height and Fork Level	in	168.0
40	O	mm	5308
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.0
11	Clearance at Full Lift and Max Dump	mm	2051
	Clearance at 1 dir Lint and Wax Dump	in	80.7
12	Max Discharge Angle from Horizontal	deg	51
40	O	mm	2528
13	Overall Carriage Width	in	99.5
14	Overall Carriage Height	mm	1130
	Overall Carriage Fleight	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
	T MCH (* 1 c )	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKHESS	in	3.5
	Tine Capacity	kq	11300
	inc appart	lbs	24905
	Operating Weight	ka	20506
	· · · ·	lbs	45196



\*Negative values indicate below grade

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





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

Lubricants, and Operator.

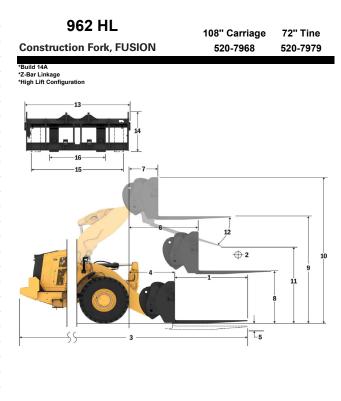
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

# **Fork Specifications**

#### **Fork Specifications**

	ik opecinications		
1	Tine Length	mm in	1829 72.0
_		mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	9196
	Static Tipping Load - Straight (Porks Lever)	lbs	20268
	Static Tipping Load - Articulated (Forks Level)	kg	7813
	otatio ripping 2000 / titodiatou (r onto 2010)	lbs	17220
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3906 8610
		lbs kg	4688
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10332
		kg	6250
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13776
3	Maximum Overall Length	mm	9780
3	Maximum Overali Lengin	in	385.0
4	Reach with Forks at Ground Level	mm	1615
	Treach with Forks at Ground Level	in	63.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-112
	Cround to Bottom or this at miniman risign and risin Love	in	-4.4
6	Reach with Arms Horizontal and Forks Level	mm	2081
		in	81.9
7	Reach with Fork at Maximum Height	mm	971
	<u> </u>	in mm	38.2 1844
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.6
_		mm	4268
9	Ground to Top of Tine at Maximum Height and Fork Level	in	168.0
	O	mm	5308
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.0
11	Clearance at Full Lift and Max Dump	mm	2527
	Clearance at Full List and Max Dump	in	99.5
12	Max Discharge Angle from Horizontal	deg	51
	Max Districting of Arrigin from Fronzontal		
13	Overall Carriage Width	mm	2833
		in	111.5 1130
14	Overall Carriage Height	mm in	44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
	O 1 11 T 147 H 1 1 1 1	mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	THE WILL (SHIGHE HILE)	in	7.1
	Tine Thickness	mm	90.0
	1110 1110111000	in	3.5
	Tine Capacity	kq	14800
	* 1 - 2	lbs	32619
	Operating Weight	kq	20431
	· · ·	lbs	45030



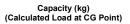
Hinge (B) Pin Height (mm)

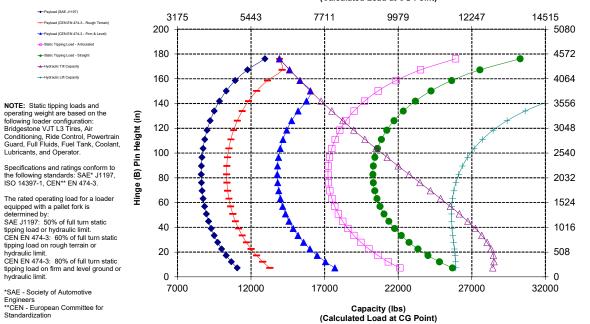
- Payload (CEN EN 474-3 - Rough Ter

Lubricants, and Operator.

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

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





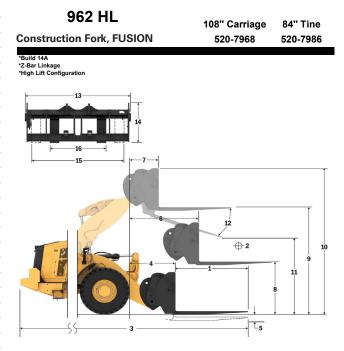


<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

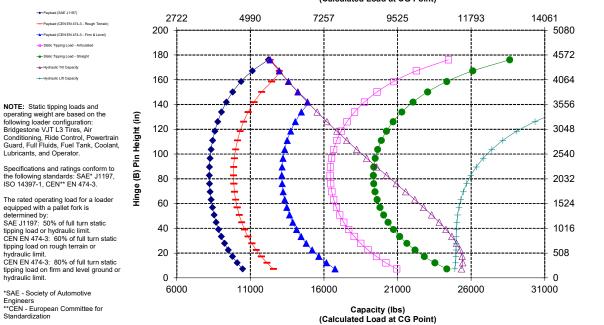
#### **Fork Specifications**

	nk opecinications		
1	Tine Length	mm in	2134 84.0
_	1 10 1	mm	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	8777
	Static Tipping Load - Straight (Porks Lever)	lbs	19344
	Static Tipping Load - Articulated (Forks Level)	kg	7447
		lbs	16412
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3723
		lbs	8206 4468
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	9847
		kg	5595
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12332
_		mm	10085
3	Maximum Overall Length	in	397.0
4	Reach with Forks at Ground Level	mm	1615
	Reach with Forks at Glound Level	in	63.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-112
	Cround to Bottom of time at william theight and tork Eever	in	-4.4
6	Reach with Arms Horizontal and Forks Level	mm	2081
	Trough Mary and Forebridge and Foreb Edvor	in	81.9
7	Reach with Fork at Maximum Height	mm	971
	<u> </u>	in	38.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1844
	<u> </u>	in	72.6 4268
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	168.0
		mm	5308
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.0
	0	mm	2288
11	Clearance at Full Lift and Max Dump	in	90.1
40	Max Discharge Angle from Horizontal	deg	51
12	Max Discharge Angle Irom Honzontal	ueg	-
13	Overall Carriage Width	mm	2833
	O Toran Carrage Trials	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
		mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12700
	ппе Сарасцу	lbs	27991
	Operating Weight	kg	20493
	operating resignit	lbs	45167



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

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





Lubricants, and Operator.

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

The rated operating load for a loader equipped with a pallet fork is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

\*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)

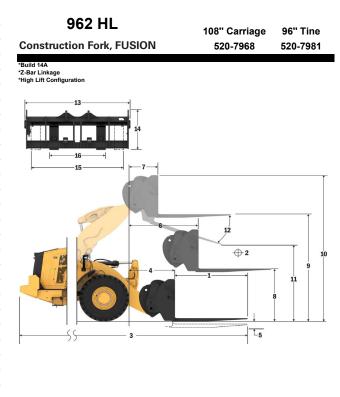
Hinge (

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

# **Fork Specifications**

#### **Fork Specifications**

_	ik opcomoutions		
1	Tine Length	mm in	2438 96.0
_		mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	8384
	Static ripping Load - Straight (Forks Lever)	lbs	18479
	Static Tipping Load - Articulated (Forks Level)	kg	9 7103 15655 9 3552 9 3552 9 4262 9 3933 9 4999 10 1018 10 409.0 10 63.6 10 -4.4 10 81.9 10 81.9 10 81.9
	Citatio Tipping Load - 7 titiodiated (1 onto Level)	lbs	
	Rated Load (SAE J1197 - 50% FTSTL)	kg	
		lbs	
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	
	( , , , , , , , , , , , , , , , , , , ,	lbs	
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	
	,	lbs	
3	Maximum Overall Length	mm	
		in	
4	Reach with Forks at Ground Level	mm	
		in	
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	
_	<u> </u>	in	
6	Reach with Arms Horizontal and Forks Level	mm	
_			
7	Reach with Fork at Maximum Height	mm	
	<u> </u>	in mm	1844
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.6
_		mm	4268
9	Ground to Top of Tine at Maximum Height and Fork Level	in	168.0
		mm	5308
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	209.0
		mm	2051
11	Clearance at Full Lift and Max Dump	in	80.7
12	Max Discharge Angle from Horizontal	deg	51
	0 110 : 110 111	mm	2833
13	Overall Carriage Width	in	111.5
	0	mm	1130
14	Overall Carriage Height	in	44.5
4 =	Outside Tine Width (max spread)	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
10	Outside Title Width (Hill Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Title Width (Siligle title)	in	7.1
	Tine Thickness	mm	90.0
	THE THORIESS	in	3.5
	Tine Capacity	kg	1130
	тио барабку	lbs	2490
	Operating Weight	kg	2055
	operating reagent	lbs	4530



Hinge (B) Pin Height (mm)

- Payload (CEN EN 474-3 - Rough Ter

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

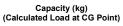
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

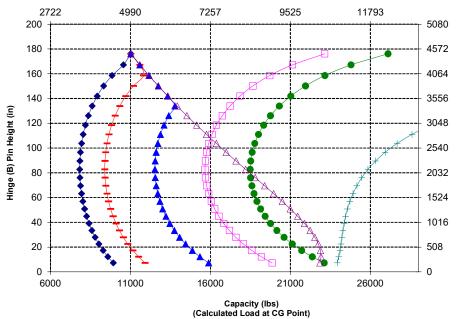
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and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

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

Lubricants, and Operator.

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







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

# **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	1,888	1,991	2,095	2,198	2,302	2,406
	ft, in	6' 2"	6' 6"	6' 10"	7' 2"	7' 6"	7' 10"
Manual # 111- Fundah Hainba (7, 0, 0, 40, 44, 40)	mm	7,489	7,776	8,063	8,349	8,636	8,923
ax Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	24' 6"	25' 6"	26' 5"	27' 4"	28' 4"	29' 3"
	mm	4,946	5,251	5,556	5,860	6,165	6,470
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	16' 2"	17' 2"	18' 2"	19' 2"	20' 2"	21' 2"
Lovel Healt Frield Height (40)	mm	1,810	1,810	1,810	1,810	1,810	1,810
Level - Hook Eyelet Height (19)	ft, in	5' 11.2"	5' 11.2"	5' 11.2"	5' 11.2"	5' 11.2"	5' 11.2"
Mire Life - Line Is Free In December (20, 24, 20, 22, 24, 25)	mm	3,225	3,442	3,659	3,875	4,092	4,309
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	10' 6"	11' 3"	12' 0"	12' 8"	13' 5"	14' 1"
Min Life Hank Fundad Haink (00 07 00 00 00 04)	mm	(2,302)	(2,517)	(2,731)	(2,945)	(3,160)	(3,374)
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-7' 5"	-8' 8"	-8' 0"	-9' 4"	-10' 7"	-11' 11"
Chatic Timeing Lond Charinha	kg	6,413	6,084	5,786	5,516	5,268	5,042
Static Tipping Load, Straight	lb	14,135	13,409	12,753	12,157	11,612	11,112
Static Tipping Load, Articulated	kg	5,503	5,220	4,963	4,730	4,518	4,322
natic Tipping Load, Articulated	lb	12,129	11,504	10,940	10,426	9,957	9,526
Operating Weight	kg	19,703	19,703	19,703	19,703	19,703	19,703
Operating Weight	lb	43,426	43,426	43,426	43,426	43,426	43,426

1900

2400

2900

3400

3900

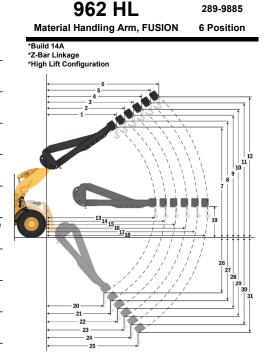
4400

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

4900

5400

6400





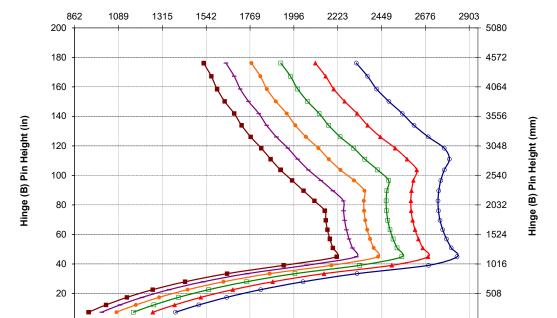
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

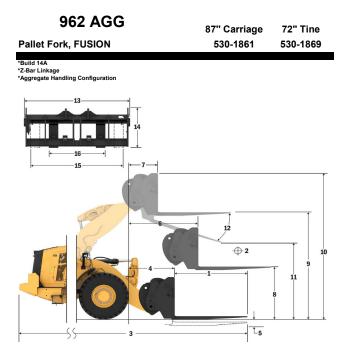


Payload Capacity (kg) (Calculated Load at CG Point)

### **Fork Specifications**

#### **Fork Specifications**

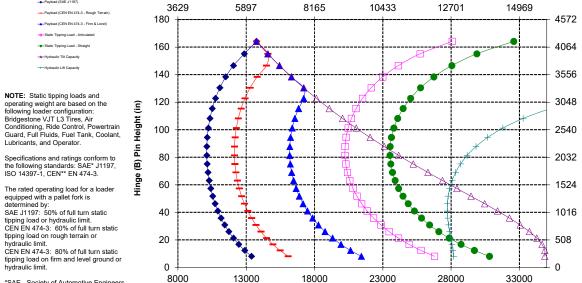
	•		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10669
		kg	23515 9177
	Static Tipping Load - Articulated (Forks Level)	lbs	20225
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4588
	Traced Educ (G/TE 01107 - 00/01 TOTE)	lbs	10113
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5506 12135
		kg	6240
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	13752
3	Maximum Overall Length	mm	9459
	Waximum Ovorali Edilgan	in	372.4
4	Reach with Forks at Ground Level	mm	1293
		in mm	50.9 -170
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-6.7
_	Reach with Arms Horizontal and Forks Level	mm	1782
6	Reach with Arms Horizontal and Porks Level	in	70.2
7	Reach with Fork at Maximum Height	mm	860
	Trough Mari on at maximal riolgin	in	33.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1740 68.5
		mm	3858
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4633
	everall rieight or ronk at rail Elit (top or ournage to ground)	in	182.4
11	Clearance at Full Lift and Max Dump	mm	2240 88.2
		in	
12	Max Discharge Angle from Horizontal	deg	48
13	Overall Carriage Width	mm	2217
	- Croidii Galliago Friatii	in	87.3
14	Overall Carriage Height	mm in	840 33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
	Outside Title Width (Hill Spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	,	in mm	5.9 65.0
	Tine Thickness	in	2.6
	Tine Conseils	kg	5246
	Tine Capacity	lbs	11562
	Operating Weight	kg	19432
	opolating trought	lbs	42828



Hinge (B) Pin Height (mm)

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

Capacity (lbs) (Calculated Load at CG Point)



tipping load on firm and level ground or hydraulic limit.

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



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

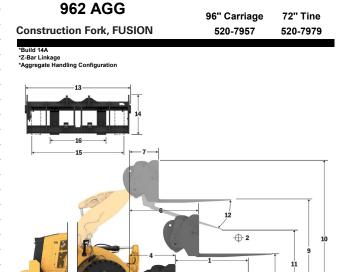
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Hinge (B) Pin Height (mm)

### **Fork Specifications**

#### **Fork Specifications**

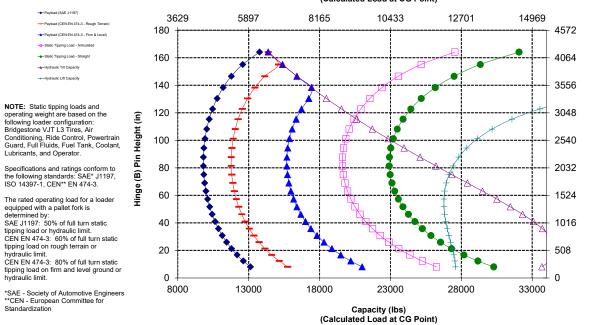
	oposiiisatione		
1	Tine Length	mm in	1829 72.0
_		mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	10394
	Static ripping Load - Straight (Porks Level)	lbs	22908
	Static Tipping Load - Articulated (Forks Level)	kg	8897
	Otatio (ipping zoda / itaoalatoa (i onto zoroi)	lbs	19609
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4448
	<u> </u>	lbs kg	9804 5338
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11765
	Detect and (OEN EN 474 0 Firm and Lavel Occurry 1999) FTOTI	kg	6521
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14372
3	Maximum Overall Length	mm	9414
	Maximum Overali Eengur	in	370.6
4	Reach with Forks at Ground Level	mm	1249
	Trought Man Forms at Ground 2010.	in	49.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
		in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1775
		in	69.9
7	Reach with Fork at Maximum Height	mm	853 33.6
_		in mm	1844
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.6
_	0 11 7 77 111 1 1111 15 11 1	mm	3963
9	Ground to Top of Tine at Maximum Height and Fork Level	in	156.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5003
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	197.0
11	Clearance at Full Lift and Max Dump	mm	2168
• • •	Olearance at 1 uli Liit and Wax Dump	in	85.4
12	Max Discharge Angle from Horizontal	deg	54
13	Overall Carriage Width	mm in	2528 99.5
		mm	1130
14	Overall Carriage Height	in	44.5
		mm	2178
15	Outside Tine Width (max spread)	in	85.7
40	Outside Time Width (sein sensed)	mm	576
16	Outside Tine Width (min spread)	in	22.7
	Tine Width (single tine)	mm	180.0
	Title Width (Single title)	in	7.1
	Tine Thickness	mm	90.0
	THE INICIOS	in	3.5
	Tine Capacity	kg	14800
	····	lbs	32619
	Operating Weight	ka	19821
	-1 5 5 "	lbs	43685



\*Negative values indicate below grade

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

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



Lubricants, and Operator.

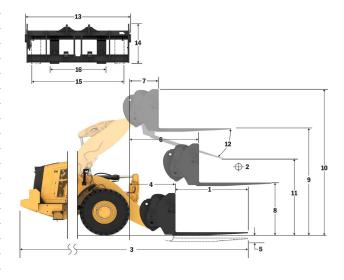
# **Fork Specifications**

#### **Fork Specifications**

10	ik opecifications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Certier	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	9895
	y	lbs	21809
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8460 18646
		kg	4230
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9323
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5076
	Rated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	11188
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5777
		lbs	12732
3	Maximum Overall Length	mm in	9719 382.6
_		mm	1249
4	Reach with Forks at Ground Level	in	49.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
э	Ground to Bottom of Time at Minimum Height and Fork Level	in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1775
_	Trought Will 7 time Florizontal and Forto Edver	in	69.9
7	Reach with Fork at Maximum Height	ḿш	853
_	<u> </u>	in	33.6 1844
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	72.6
9	One and to Top of Fig. of Manifesters Height and Foots Level	mm	3963
9	Ground to Top of Tine at Maximum Height and Fork Level	in	156.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5003
	everall Floight of Fork at Fall Lift (top of carriage to ground)	in	197.0
11	Clearance at Full Lift and Max Dump	ḿш	1921
	· · · · · · · · · · · · · · · · · · ·	in	75.6
12	Max Discharge Angle from Horizontal	deg	54
13	Overall Carriage Width	ḿш	2528
_	· · · •	in	99.5 1130
14	Overall Carriage Height	mm in	44.5
	O L I L T MON / D	mm	2178
15	Outside Tine Width (max spread)	in	85.7
16	Outside Tine Width (min spread)	mm	576
	Outside Title Width (ITIII) spread)	in	22.7
	Tine Width (single tine)	ḿш	180.0
	,	in	7.1
	Tine Thickness	mm in	90.0 3.5
_	T. 0 "	ka	12700
	Tine Capacity	lbs	27991
	Operating Weight	kg	19884
	Operating Weight	lbs	43824



\*Build 14A \*Z-Bar Linkage \*Aggregate Handling Configuration

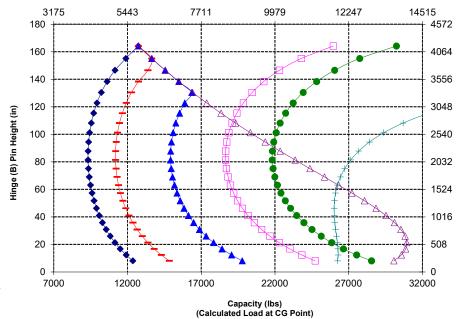


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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

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



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

tipping load on firm and level ground or hydraulic limit.

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



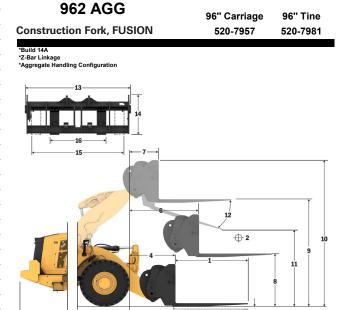
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Hinge (B) Pin Height (mm)

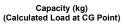
### **Fork Specifications**

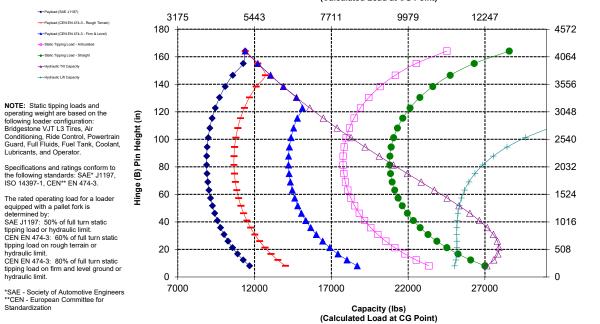
#### **Fork Specifications**

. •	opeomeanene		
1	Tine Length	mm in	2438 96.0
_	Load Contar	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	9434
	otatio ripping coda ottaign (ronto coron)	lbs	20792
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8056 17755
		kg	4028
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8877
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4833
	Rated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	10653
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5165
		lbs	11383
3	Maximum Overall Length	mm in	10023 394.6
		mm	1249
4	Reach with Forks at Ground Level	in	49.2
_	todt- B-tttTitMi-itI-ittd Fd-1	mm	-91
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1775
	Trought Will 7 time Florizontal and Forto Ecvel	in	69.9
7	Reach with Fork at Maximum Height	mm	853
		in	33.6 1844
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	72.6
_	0 11 7 77 111 1 1111 15 11 1	mm	3963
9	Ground to Top of Tine at Maximum Height and Fork Level	in	156.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5003
	Overall Freight of Fork at Full Lift (top of carriage to ground)	in	197.0
11	Clearance at Full Lift and Max Dump	mm	1675
		in	65.9
12	Max Discharge Angle from Horizontal	deg	54
13	Overall Carriage Width	mm	2528
		in	99.5
14	Overall Carriage Height	mm in	1130 44.5
		mm	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
	···- ··· (-···g·- ···-/	in	7.1
	Tine Thickness	mm	90.0
		in	3.5 11300
	Tine Capacity	ka lbs	24905
	On another a Mariaba	ka	19946
	Operating Weight	lbs	43961



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





Lubricants, and Operator.

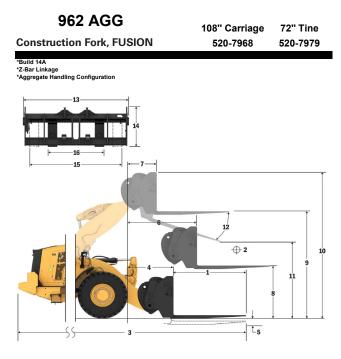
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

# **Fork Specifications**

#### **Fork Specifications**

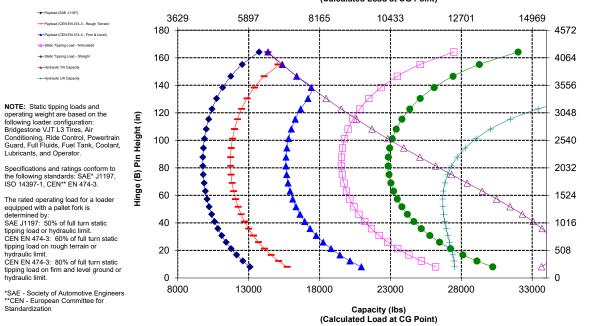
гο	rk Specifications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	10359 22831
		lbs kg	8862
	Static Tipping Load - Articulated (Forks Level)	lbs	19532
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4431
	Nated Load (GAL 31197 - 30 % 1 TOTE)	lbs	9766
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	5317 11719
		ka	6512
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14353
3	Maximum Overall Length	mm	9414
_	maximum ovorail zongan	in	370.6
4	Reach with Forks at Ground Level	mm in	1249 49.2
_		mm	-91
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1775
	Treach with Annis Honzontal and Forks Level	in	69.9
7	Reach with Fork at Maximum Height	mm	853
_		in mm	33.6 1844
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	72.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3963
	Ground to Top of Time at Maximum Fleight and Fork Level	in	156.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5003
		in mm	197.0 2168
11	Clearance at Full Lift and Max Dump	in	85.4
12	Max Discharge Angle from Horizontal	deg	54
		mm	2833
13	Overall Carriage Width	in	111.5
11	Overall Carriage Height	mm	1130
	Overall Carriage Fleight	in	44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Title viluit (single title)	in	7.1
	Tine Thickness	mm	90.0
		in_ka	3.5 14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	19871
	Operating Weight	lbs	43796



Hinge (B) Pin Height (mm)

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

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



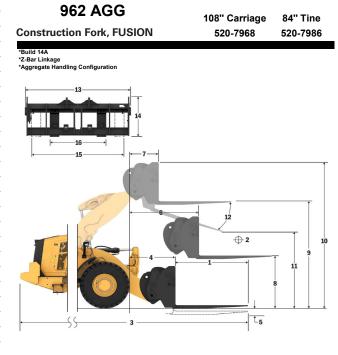
Lubricants, and Operator.

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

### **Fork Specifications**

#### **Fork Specifications**

	ik Opecinications		
1	Tine Length	mm in	2134 84.0
_	1 10 1	mm	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	9863
	Static Tipping Load - Straight (Forks Level)	lbs	21738
	Static Tipping Load - Articulated (Forks Level)	kg	8428
	Claire Tipping Load Tritionatos (1 offic Lotter)	lbs	18575
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4214
		lbs	9288 5057
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	11145
		kg	5770
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12718
_	Manianana Oranali I an ath	mm	9719
3	Maximum Overall Length	in	382.6
4	Reach with Forks at Ground Level	mm	1249
_	Reacti with Forks at Ground Level	in	49.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
	Ground to Bottom of this at Milliminant Height and Fork Edver	in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1775
	Trought Many and Fronzestical data Forto 2010	in	69.9
7	Reach with Fork at Maximum Height	mm	853
	<u> </u>	in	33.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1844
	·	in	72.6 3963
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	156.0
		mm	5003
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	197.0
	0	mm	1921
11	Clearance at Full Lift and Max Dump	in	75.6
42	May Discharge Angle from Herizontel		54
12	Max Discharge Angle from Horizontal	deg	54
12	Overall Carriage Width	mm	2833
	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
	O Totali Garriago Floight	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
		mm	90.0
	Tine Thickness	in	3.5
	Tine Conseits	ka	12700
	Tine Capacity	lbs	27991
	Operating Weight	kg	19933
	Operating Weight	lbs	43932



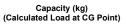
\*Negative values indicate below grade

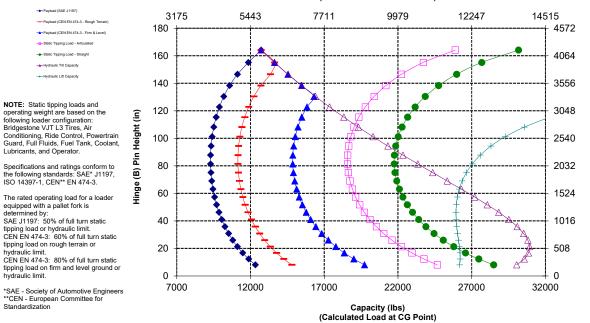
-Payload (CEN EN 474-3 - Firm & Level

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 ground the static tipping load on tipm and level cround or







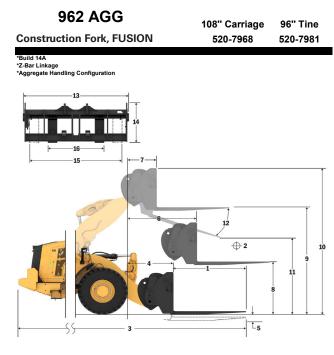
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

# **Fork Specifications**

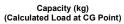
#### **Fork Specifications**

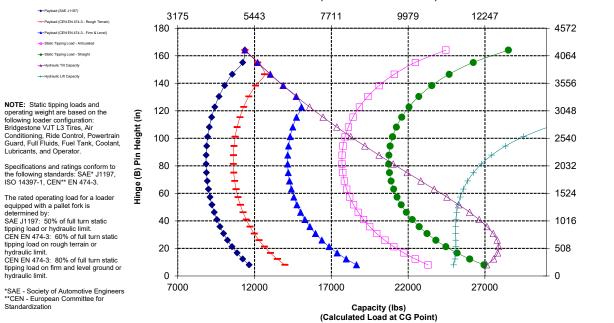
	ik Opcomounding		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	9402
		lbs	20721
	Static Tipping Load - Articulated (Forks Level)	kg lbs	8024 17684
		kg	4012
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	8842
	D-4-414 (OFN EN 474 2 D-4-4 T-4-4-4-	ka	4814
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10611
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5158
	Rated Load (CEN EN 474-3 Film and Level Glound - 60 % F131L)	lbs	11368
3	Maximum Overall Length	mm	10023
_	maximum ovordii zongan	in	394.6
4	Reach with Forks at Ground Level	mm	1249
		in	49.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
_	<u> </u>	in mm	-3.6 1775
6	Reach with Arms Horizontal and Forks Level	in	69.9
_		mm	853
7	Reach with Fork at Maximum Height	in	33.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1844
۰	Ground to Top of Title with Arms Horizontal and Fork Level	in	72.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3963
_	Ordana to Top of Time at Maximum Troight and Tork Ecver	in	156.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5003
	- 0 (1 0 0 )	in	197.0
11	Clearance at Full Lift and Max Dump	mm	1675
	•	in	65.9
12	Max Discharge Angle from Horizontal	deg	54
13	Overall Carriage Width	mm	2833
	Overlan Carriage Vitati	in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Title Width (Single title)	in	7.1
	Tine Thickness	mm	90.0
	THE INICIALOG	in	3.5
	Tine Capacity	kq	11300
		lbs	24905
	Operating Weight	kq	19996
		lbs	44071



Hinge (B) Pin Height (mm)

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







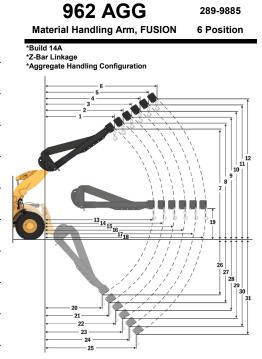
Lubricants, and Operator.

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

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

# **Material Handling Arm Specifications**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
	mm	2,058	2,189	2,320	2,451	2,582	2,713
Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)	ft, in	6' 9"	7' 2"	7' 7"	8' 0"	8' 5"	8' 10'
Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	mm	7,039	7,314	7,589	7,864	8,139	8,414
Max Litt - Hook Eyelet Height (7, 8, 9, 10, 11, 12)	ft, in	23' 1"	23' 11"	24' 10"	25' 9"	26' 8"	27' 7"
Lavel Harly Evelsk Beech (42, 44, 45, 40, 47, 40)	mm	4,640	4,945	5,250	5,554	5,859	6,164
Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)	ft, in	15' 2"	16' 2"	17' 2"	18' 2"	19' 2"	20' 2"
	mm	1,810	1,810	1,810	1,810	1,810	1,810
evel - Hook Eyelet Height (19)	ft, in	5' 11.2"	5' 11.2"	5' 11.2"	5' 11.2"	5' 11.2"	5' 11.2'
ME 1.70 11 1.5 1.15 1.15 1.100 04 00 00 04 05	mm	1,484	1,579	1,674	1,770	1,865	1,960
Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)	ft, in	4' 10"	5' 2"	5' 5"	5' 9"	6' 1"	6' 5'
Min Life Lland Funda Llainha (00, 07, 00, 00, 00, 04)	mm	(2,998)	(3,288)	(3,577)	(3,867)	(4,156)	(4,446
Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)	ft, in	-9' 1"	-10' 2"	-11' 3"	-12' 3"	-13' 4"	-14' 4"
Otalia Tinging Lond Otaliah	kg	6,972	6,596	6,258	5,952	5,674	5,419
Static Tipping Load, Straight	lb	15,366	14,538	13,793	13,118	12,504	11,944
Challe Timeine I and Antiquiphed	kg	6,014	5,689	5,396	5,131	4,890	4,670
Static Tipping Load, Articulated	lb	13,254	12,538	11,893	11,309	10,779	10,294
O	kg	19,143	19,143	19,143	19,143	19,143	19,143
Operating Weight	lb	42,191	42,191	42,191	42,191	42,191	42,191



289-9885



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

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

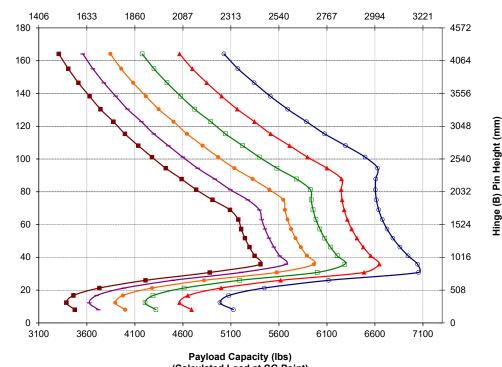
Hinge (B) Pin Height (in)

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

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

\*SAE - Society of Automotive Engineers

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



# **Standard and Optional Equipment**

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

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

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

(continued on next page)

<sup>1</sup>Subscription required

<sup>\*</sup> Not all configurations available in all regions, subject to availability.

<sup>\*\*</sup> Standard or optional depending on region. Consult your dealer.
\*\*\* Available in Europe and Australia. Country certifications vary. Contact your Cat dealer for more information.

# Standard and Optional Equipment (continued)

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

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

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

<sup>\*</sup> Not all configurations available in all regions, subject to availability.

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

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

<sup>&</sup>lt;sup>1</sup>Subscription required

# 962 Environmental Declaration

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

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

#### **Engine**

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

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

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

### **Air Conditioning System**

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

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a CO<sub>2</sub> equivalent of 2.288 metric tonnes (2.522 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.389 kg (3.1 lb) of refrigerant which has a CO<sub>2</sub> equivalent of 0.001 metric tonnes (0.001 tons).

#### **Paint**

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
- Barium < 0.01%
- Cadmium < 0.01%
- Chromium < 0.01%
- $Lead \le 0.01\%$

#### Sound

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

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

#### **Oils and Fluids**

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

### **Features and Technology**

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

### Recycling

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

Material Type	Weight Percentage
Steel	60.43%
Iron	19.54%
Nonferrous Metal	1.77%
Mixed Metal	0.57%
Mixed Metal and Nonmetal	0.55%
Plastic	1.15%
Rubber	6.34%
Mixed Nonmetallic	0.01%
Fluid	5.00%
Other	3.34%
Uncategorized	1.30%
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 - 92%



# 962

# Waste and Scrap Handler

The Cat® 962 Wheel Loader Waste and Scrap Handler package features guarding and reinforcement necessary for work in transfer stations, recycling depots, scrap yards, and demolition sites.

### **Proven Reliability**

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

#### **Durability**

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

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

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

### **Safety Features**

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

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

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

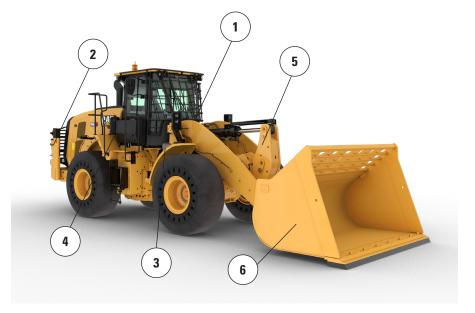
- Extended fluid and filter change intervals help to reduce maintenance costs.
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash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

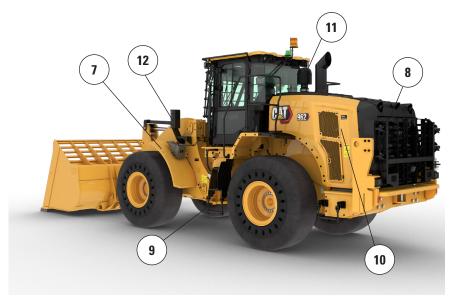
#### Work in Comfort in the All New Cab

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

### 962 Waste and Scrap Handler Features

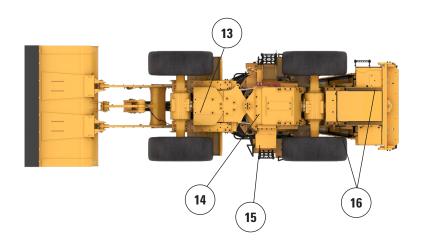
- 1. Optional window guarding to provide impact resistance to the glass
- 2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
- 3. Carbon cab air filter removes harsh odors
- Optional powered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





- 7. Narrow front steel fenders help to keep the windshield clean and are set inboard of the outer edge of the tire for added protection
- 8. Optional rear guard protects the rear grill and cooling package from impact
- 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



# **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"

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

Tire Brand	MAXAM	GOODYEAR
Tire Size	750/65R25	23.5R25
Tread Type	L-3	L-3
Tread Pattern	MS302	GP-3E
Casing Strength	**	**
Width over Tires – Maximum (empty)*	2971 mm	2140 mm
	9'9"	7'1"
Width over Tires – Maximum (loaded)*	3031 mm	2140 mm
	10'0"	7'1"
Change in Vertical Dimensions	-83 mm	-173 mm
(average of front and rear)	-3.3"	-6.8"
Change in Horizontal Reach	17 mm	13 mm
	0.7"	0.5"
Change in Clearance Circle to Outside of Tires	891 mm	0 mm
	35.1"	0"
Change in Clearance Circle to Inside of Tires	-891 mm	0 mm
	-35.1"	0"
Change in Operating Weight (without ballast)	-2455 kg	-3272 kg
	-5,414 lb	-7,215 lb
Change in Static Tipping Load – Straight	-1559 kg	-2078 kg
	-3,438 lb	-4,581 lb
Change in Static Tipping Load – Articulated	-1363 kg	-1816 kg
	-3,005 lb	-4,004 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees
Maximum Single-Wheel Rise and Fall	298 mm	298 mm
	1'0"	1'0"

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

### **Operating Specifications – Buckets**

Linkage					Sta	ndard Link	age			
Bucket Type					Genera	l Purpose –	Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	$m^3$	2.70	2.70	2.50	3.10	3.10	2.90	3.30	3.30	3.10
	$yd^3$	3.50	3.50	3.25	4.00	4.00	3.75	4.25	4.25	4.00
Capacity - Rated at 110% Fill Factor	$m^3$	3.00	3.00	2.80	3.40	3.40	3.20	3.60	3.60	3.40
	$yd^3$	4.00	4.00	3.75	4.50	4.50	4.25	4.75	4.75	4.50
Width	mm	2927	2994	2994	2927	2994	2994	2927	2994	2994
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"
16† Dump Clearance at Maximum Lift	mm	3179	3064	3064	3099	2981	2981	3060	2942	2942
and 45° Discharge	ft/in	10'5"	10'0"	10'0"	10'2"	9'9"	9'9"	10'0"	9'7"	9'7"
17† Reach at Maximum Lift and	mm	1204	1318	1318	1260	1371	1371	1290	1400	1400
45° Discharge	ft/in	3'11"	4'3"	4'3"	4'1"	4'6"	4'6"	4'2"	4'7"	4'7"
Reach at Level Lift Arm and	mm	2618	2779	2779	2718	2879	2879	2768	2929	2929
Bucket Level	ft/in	8'7"	9'1"	9'1"	8'11"	9'5"	9'5"	9'0"	9'7"	9'7"
A† Digging Depth	mm	37	37	7	37	37	7	37	37	7
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"
12† Overall Length	mm	8256	8430	8430	8356	8530	8530	8406	8580	8580
	ft/in	27'2"	27'8"	27'8"	27'5"	28'0"	28'0"	27'7"	28'2"	28'2"
<b>B</b> † Overall Height with Bucket at	mm	5606	5606	5606	5568	5568	5568	5743	5743	5743
Maximum Lift	ft/in	18'5"	18'5"	18'5"	18'4"	18'4"	18'4"	18'11"	18'11"	18'11"
Loader Clearance Circle Radius	mm	6709	6792	6792	6738	6822	6822	6752	6837	6837
with Bucket at Carry Position	ft/in	22'1"	22'4"	22'4"	22'2"	22'5"	22'5"	22'2"	22'6"	22'6"
Static Tipping Load, Straight	kg	16 377	16 239	16 539	16 184	16 044	16 340	16 082	15 941	16 230
(No tire deflection)	lb	36,106	35,801	36,463	35,681	35,372	36,023	35,455	35,145	35,781
Static Tipping Load, Articulated	kg	14 309	14 171	14 451	14 128	13 988	14 262	14 032	13 891	14 159
(No tire deflection)	lb	31,547	31,242	31,859	31,147	30,839	31,444	30,936	30,626	31,217
Breakout Force(§)	kN	192	191	210	176	175	192	169	168	183
	lbf	43,287	43,044	47,408	39,701	39,459	43,178	38,103	37,861	41,313
Operating Weight*	kg	22 156	22 264	22 107	22 245	22 353	22 196	22 290	22 398	22 241
	lb	48,844	49,082	48,736	49,040	49,278	48,932	49,139	49,378	49,031

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

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

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

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

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

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

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

Linkage				Standa	rd Linkage				
Bucket Type		General Purpose – Pin-On							
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips		
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.20	3.60	3.60	3.40		
	yd³	4.50	4.50	4.25	4.75	4.75	4.50		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70	3.50	4.00	4.00	3.70		
	$yd^3$	4.75	4.75	4.50	5.25	5.25	4.75		
Width	mm	2927	2994	2994	2927	2994	2994		
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"		
16† Dump Clearance at Maximum Lift	mm	3034	2915	2915	2988	2869	2869		
and 45° Discharge	ft/in	9'11"	9'6"	9'6"	9'9"	9'4"	9'4"		
17† Reach at Maximum Lift and	mm	1312	1422	1422	1348	1458	1458		
45° Discharge	ft/in	4'3"	4'8"	4'8"	4'5"	4'9"	4'9"		
Reach at Level Lift Arm and	mm	2803	2964	2964	2863	3024	3024		
Bucket Level	ft/in	9'2"	9'8"	9'8"	9'4"	9'11"	9'11"		
A† Digging Depth	mm	37	37	7	37	37	7		
	in	1.4"	1.4"	0.2"	1.4"	1.4"	0.2"		
12† Overall Length	mm	8441	8615	8615	8501	8675	8675		
	ft/in	27'9"	28'4"	28'4"	27'11"	28'6"	28'6"		
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	5772	5772	5772	5830	5830	5830		
Maximum Lift	ft/in	19'0"	19'0"	19'0"	19'2"	19'2"	19'2"		
Loader Clearance Circle Radius	mm	6762	6847	6847	6780	6865	6865		
with Bucket at Carry Position	ft/in	22'3"	22'6"	22'6"	22'3"	22'7"	22'7"		
Static Tipping Load, Straight	kg	16 017	15 876	16 155	15 893	15 751	16 030		
(No tire deflection)	lb	35,312	35,001	35,617	35,039	34,726	35,340		
Static Tipping Load, Articulated	kg	13 971	13 830	14 090	13 855	13 712	13 971		
(No tire deflection)	lb	30,801	30,490	31,063	30,545	30,231	30,802		
Breakout Force(§)	kN	164	163	178	157	156	169		
	lbf	37,053	36,811	40,093	35,362	35,120	38,142		
Operating Weight*	kg	22 320	22 428	22 271	22 378	22 486	22 329		
	lb	49,206	49,444	49,098	49,333	49,572	49,225		

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

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

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

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

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

Linkage			Standard Linkage					
Bucket Type		General Purpose – Hook-On – Fusion						
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips				
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.20				
	yd³	4.50	4.50	4.25				
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	3.70	3.70	3.50				
	$yd^3$	4.75	4.75	4.50				
Width	mm	2927	2994	2994				
	ft/in	9'7"	9'9"	9'9"				
6† Dump Clearance at Maximum Lift	mm	2992	2873	2873				
and 45° Discharge	ft/in	9'9"	9'5"	9'5"				
<b>7</b> † Reach at Maximum Lift and	mm	1348	1458	1458				
45° Discharge	ft/in	4'5"	4'9"	4'9"				
Reach at Level Lift Arm and	mm	2858	3019	3019				
Bucket Level	ft/in	9'4"	9'10"	9'10"				
A† Digging Depth	mm	45	45	15				
	in	1.7"	1.7"	0.5"				
2† Overall Length	mm	8502	8676	8676				
	ft/in	27'11"	28'6"	28'6"				
<b>B</b> † Overall Height with Bucket at	mm	5791	5791	5791				
Maximum Lift	ft/in	19'0"	19'0"	19'0"				
Loader Clearance Circle Radius	mm	6779	6865	6865				
with Bucket at Carry Position	ft/in	22'3"	22'7"	22'7"				
Static Tipping Load, Straight	kg	15 361	15 221	15 568				
(No tire deflection)	lb	33,866	33,556	34,323				
Static Tipping Load, Articulated	kg	13 345	13 205	13 534				
(No tire deflection)	lb	29,422	29,112	29,838				
Breakout Force(§)	kN	157	156	170				
	lbf	35,455	35,211	38,249				
Operating Weight*	kg	22 799	22 907	22 750				
	lb	50,262	50,500	50,154				

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

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

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

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

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

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

Linkage			Standard Linkage	
Bucket Type		Was	te, Load, and Carry – Hook-On – Fus	ion
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m <sup>3</sup>	5.20	5.20	5.00
	yd³	6.75	6.75	6.50
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.70	5.70	5.50
	$yd^3$	7.50	7.50	7.25
Width	mm	3059	3138	3138
	ft/in	10'0"	10'3"	10'3"
16† Dump Clearance at Maximum Lift	mm	2959	2798	2798
and 45° Discharge	ft/in	9'8"	9'2"	9'2"
17† Reach at Maximum Lift and	mm	1230	1353	1353
45° Discharge	ft/in	4'0"	4'5"	4'5"
Reach at Level Lift Arm and	mm	2815	3016	3016
Bucket Level	ft/in	9'2"	9'10"	9'10"
A† Digging Depth	mm	50	50	15
	in	1.9"	1.9"	0.5"
12† Overall Length	mm	8463	8685	8685
	ft/in	27'10"	28'6"	28'6"
B† Overall Height with Bucket at	mm	6328	6328	6328
Maximum Lift	ft/in	20'10"	20'10"	20'10"
Loader Clearance Circle Radius	mm	6827	6934	6934
with Bucket at Carry Position	ft/in	22'5"	22'9"	22'9"
Static Tipping Load, Straight	kg	16 471	16 243	16 598
(No tire deflection)	lb	36,312	35,810	36,593
Static Tipping Load, Articulated	kg	14 269	14 042	14 378
(No tire deflection)	lb	31,459	30,958	31,698
Breakout Force(§)	kN	160	158	170
	lbf	36,046	35,667	38,251
Operating Weight*	kg	23 207	23 365	23 215
2 0	lb	51,161	51,511	51,179

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Linkage				High Li	ft Linkage				
Bucket Type		General Purpose – Pin-On							
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips		
Capacity – Rated	m <sup>3</sup>	3.40	3.40	3.20	3.60	3.60	3.40		
	$yd^3$	4.50	4.50	4.25	4.75	4.75	4.50		
Capacity - Rated at 110% Fill Factor	$m^3$	3.70	3.70	3.50	4.00	4.00	3.70		
	$yd^3$	4.75	4.75	4.50	5.25	5.25	4.75		
Width	mm	2927	2994	2994	2927	2994	2994		
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"		
16† Dump Clearance at Maximum Lift	mm	3339	3221	3221	3293	3174	3174		
and 45° Discharge	ft/in	10'11"	10'6"	10'6"	10'9"	10'4"	10'4"		
17† Reach at Maximum Lift and	mm	1430	1540	1540	1466	1576	1576		
45° Discharge	ft/in	4'8"	5'0"	5'0"	4'9"	5'2"	5'2"		
Reach at Level Lift Arm and	mm	3109	3270	3270	3169	3330	3330		
Bucket Level	ft/in	10'2"	10'8"	10'8"	10'4"	10'11"	10'11"		
A† Digging Depth	mm	58	58	28	58	58	28		
	in	2.2"	2.2"	1.1"	2.2"	2.2"	1.1"		
12† Overall Length	mm	8821	8993	8993	8881	9053	9053		
	ft/in	29'0"	29'7"	29'7"	29'2"	29'9"	29'9"		
<b>B</b> † Overall Height with Bucket at	mm	6077	6077	6077	6136	6136	6136		
Maximum Lift	ft/in	20'0"	20'0"	20'0"	20'2"	20'2"	20'2"		
Loader Clearance Circle Radius	mm	6896	6978	6978	6913	6995	6995		
with Bucket at Carry Position	ft/in	22'8"	22'11"	22'11"	22'9"	23'0"	23'0"		
Static Tipping Load, Straight	kg	14 685	14 548	14 766	14 611	14 473	14 691		
(No tire deflection)	lb	32,374	32,073	32,554	32,212	31,909	32,388		
Static Tipping Load, Articulated	kg	12 755	12 619	12 824	12 683	12 546	12 750		
(No tire deflection)	lb	28,122	27,821	28,273	27,962	27,660	28,109		
Breakout Force(§)	kN	134	133	145	128	126	138		
	lbf	30,178	29,904	32,636	28,776	28,503	31,021		
Operating Weight*	kg	22 880	22 988	22 831	22 938	23 046	22 889		
	lb	50,441	50,679	50,333	50,568	50,807	50,460		

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

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

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

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

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

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

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

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

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

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

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

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

Linkage			High Lift Linkage					
Bucket Type		Waste, Load, and Carry – Hook-On – Fusion						
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips				
Capacity – Rated	m <sup>3</sup>	5.20	5.20	5.00				
	$yd^3$	6.75	6.75	6.50				
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.70	5.70	5.50				
	$yd^3$	7.50	7.50	7.25				
Width	mm	3059	3138	3138				
	ft/in	10'0"	10'3"	10'3"				
6† Dump Clearance at Maximum Lift	mm	3265	3103	3103				
and 45° Discharge	ft/in	10'8"	10'2"	10'2"				
<b>7</b> † Reach at Maximum Lift and	mm	1347	1471	1471				
45° Discharge	ft/in	4'5"	4'9"	4'9"				
Reach at Level Lift Arm and	mm	3120	3322	3322				
Bucket Level	ft/in	10'2"	10'10"	10'10"				
A† Digging Depth	mm	71	71	36				
	in	2.8"	2.8"	1.4"				
12† Overall Length	mm	8842	9061	9061				
	ft/in	29'1"	29'9"	29'9"				
B† Overall Height with Bucket at	mm	6634	6634	6634				
Maximum Lift	ft/in	21'10"	21'10"	21'10"				
Loader Clearance Circle Radius	mm	6961	7064	7064				
with Bucket at Carry Position	ft/in	22'11"	23'3"	23'3"				
Static Tipping Load, Straight	kg	15 187	14 965	15 280				
(No tire deflection)	lb	33,481	32,993	33,687				
Static Tipping Load, Artisculated	kg	13 088	12 866	13 167				
(No tire deflection)	lb	28,855	28,366	29,028				
Breakout Force(§)	kN	129	128	137				
	lbf	29,205	28,780	30,929				
Operating Weight*	kg	23 767	23 926	23 775				
	lb	52,396	52,746	52,414				

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

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

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

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

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

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



# **962** *Corrosion Resistant*

The Cat® 962 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.
- Features an electric fuel priming pump, fuel-water separator, and secondary filtration system.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

### **Durability**

- 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.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Deeply integrated engine, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

#### **Safety Features**

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

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

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

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

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

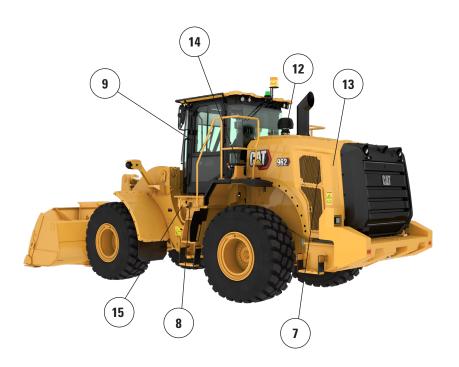
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s)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

# **962 Corrosion Resistant Specifications**

### **962 Corrosion Resistant Features**

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





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





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

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

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AEXQ4427-00 (11-2025) Build Number: 14C (Afr-ME, Eurasia, S Am [excluding Chile and Colombia], Aus-NZ, SE Asia, Indonesia)

