



Technical Specifications

Not all attachments available in all regions. Consult your Cat® dealer for specific configurations available in your region.

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Engine – (U.S. EPA Tier 4 Fina	I/EU Stage	V)
Engine Model	Cat C13	
Engine Power @ 1,700 rpm	313 kW	420 hp
ISO 14396:2002		
Gross Power @ 1,700 rpm	317 kW	425 hp
SAE J1995:2014		
Net Power @ 1,700 rpm	293 kW	393 hp
ISO 9249:2007, SAE J1349:2011		
Engine Torque (1,200 rpm)	2185 N·m	1,612 lbf-ft
ISO 14396:2002		
Gross Torque (1,200 rpm)	2206 N·m	1,627 lbf-ft
SAE J1995:2014		
Net Torque (1,100 rpm)	2086 N·m	1,539 lbf-ft
ISO 9249:2007, SAE J1349:2011		
Bore	130 mm	5.12 in
Stroke	157 mm	6.18 in
Displacement	12.5 L	763 in ³

• Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Tier 4 Final and Japan 2014 emission standards.

• The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.

Buckets

Bucket Capacities

4.0-14.5 m³ 5.25-19.0 yd³

Weight

Operating Weight

30 344 kg 66,877 lb

• Weight based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link[™], open differential axles (front/rear), secondary steering, sound suppression and a 5.4 m³ (7.1 yd³) general purpose bucket with BOCE.

Operating Specifications

Static Tipping Load – Full 40° Turn		
With Tire Deflection	19 706 kg	43,432 lb
No Tire Deflection	20 965 kg	46,208 lb
Breakout Force	227 kN	51,008 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.

Transmission

Forward 1	6.9 km/h	4.3 mph
Forward 2	13.3 km/h	8.3 mph
Forward 3	23.5 km/h	14.6 mph
Forward 4	39.5 km/h	24.5 mph
Reverse 1	7.8 km/h	4.8 mph
Reverse 2	15.2 km/h	9.4 mph
Reverse 3	26.9 km/h	16.7 mph
Reverse 4	39.5 km/h	24.5 mph

• Maximum travel speed in standard vehicle with empty bucket and standard L4 tires with 935 mm (37 in) roll radius.

Hydraulic System

nyuluullo oystolli						
Implement Pump Type	Variable Displacement Piston, load sensing					
Implement System:						
Maximum Pump Output (2,250 rpm)	449 L/min	119 gal/min				
Maximum Operating Pressure	34 300 kPa	4,975 psi				
Optional 3 rd Function Maximum Flow	240 L/min	63 gal/min				
Optional 3 rd Function Maximum Pressure at Work Tool	20 684 kPa	3,000 psi				
Hydraulic Cycle Time with Rated Paylo	oad:					
Raise from Carry Position	5.3 sec					
Dump, at Maximum Raise	1.7 sec					
Lower, Empty, Float Down	3.1 sec					
Total	10.1 sec					
Brakes						
Brakes	Brakes meet ISO 3450:2011 standards					
Axles						
Axles Front	Fixed					
	Fixed Oscillating					
Front						
Front Rear		112.5 gal				
Front Rear Service Refill Capacities	Oscillating	112.5 gal 5.5 gal				
Front Rear Service Refill Capacities Fuel Tank	Oscillating 426 L					
Front Rear Service Refill Capacities Fuel Tank DEF Tank	Oscillating 426 L 21 L	5.5 gal				
Front Rear Service Refill Capacities Fuel Tank DEF Tank Cooling System	Oscillating 426 L 21 L 52 L	5.5 gal 13.7 gal				
Front Rear Service Refill Capacities Fuel Tank DEF Tank Cooling System Crankcase	Oscillating 426 L 21 L 52 L 37 L	5.5 gal 13.7 gal 9.8 gal				
Front Rear Service Refill Capacities Fuel Tank DEF Tank Cooling System Crankcase Transmission	Oscillating 426 L 21 L 52 L 37 L 77 L	5.5 gal 13.7 gal 9.8 gal 20.3 gal				

Cab

ROPS/FOPS

ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards

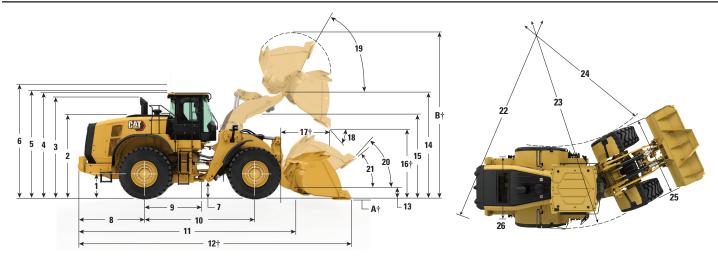
Sound							
With Cooling Fan Speed at Maximum Value:							
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)						
Exterior Sound Power Level (ISO 6395:2008)	112 dB(A)						
Exterior Sound Pressure Level (SAE J88:2013)	78 dB(A)*						
*Distance of 15 m (49.2 ft), moving forward in seco	nd gear ratio.						
With Cooling Fan Speed at 70% of Maximum Value	e:**						
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)						
Exterior Sound Power Level	109 dB(A)***						
 ** For machines in European Union countries and in countries that adopt the "EU Directives." *** European Union Directive "2000/14/EC" as amended by "2005/88/EC." 							

Air Conditioning System

• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.52 lb) of refrigerant which has a CO₂ equivalent 2.288 metric tonnes (2.522 tons).

Dimensions

All dimensions are approximate.



		Standar	rd Lift	High Lift		
1	Height to Axle Centerline	899 mm	2'11"	899 mm	2'11"	
2	Height to Top of Hood	3064 mm	10'1"	3064 mm	10'1"	
3	Height to Top of Exhaust Pipe	3764 mm	12'5"	3764 mm	12'5"	
4	Height to Top of ROPS	3829 mm	12'7"	3829 mm	12'7"	
5	Height to Top of Product Link Antenna	3835 mm	12'7"	3835 mm	12'7"	
6	Height to Top of Warning Beacon	4108 mm	13'6"	4108 mm	13'6"	
7	Ground Clearance	456 mm	1'5"	456 mm	1'5"	
8	Center Line of Rear Axle to Edge of Counterweight	2661 mm	8'9"	2661 mm	8'9"	
9	Center Line of Rear Axle to Hitch	1900 mm	6'3"	1900 mm	6'3"	
10	Wheelbase	3800 mm	12'6"	3800 mm	12'6"	
11	Overall Length (without bucket)	8155 mm	8355 mm	27'5"		
12	Shipping Length (with bucket level on ground)*†	9673 mm	9875 mm	32'5"		
13	Hinge Pin Height at Carry Height	632 mm	682 mm	2'2"		
14	Hinge Pin Height at Maximum Lift	4554 mm	4775 mm	15'7"		
15	Lift Arm Clearance at Maximum Lift	3881 mm	12'8"	4125 mm	13'6"	
16	Dump Clearance at Maximum Lift and 45° Discharge*†	3287 mm	10'9"	3508 mm	11'6"	
17	Reach at Maximum Lift and 45° Discharge*†	1481 mm	4'10"	1484 mm	4'10"	
18	Dump Angle at Maximum Lift and Dump (on stops)*	52 deg	grees	55 deg	rees	
19	Rack Back at Maximum Lift*	61 deg	grees	61 deg	rees	
20	Rack Back at Carry Height*	48 deg	grees	50 deg	rees	
21	Rack Back at Ground*	40 deg	grees	40 deg	rees	
22	Clearance Circle (dia) to Counterweight	13 692 mm	45'0"	13 692 mm	45'0"	
23	Clearance Circle (dia) to Outside of Tires	13 700 mm	45'0"	13 700 mm	45'0"	
24	Clearance Circle (dia) to Inside of Tires	7180 mm	23'7"	7180 mm	23'7"	
25	Width over Tires (unloaded)	3240 mm	10'8"	3240 mm	10'8"	
	Width over Tires (loaded)	3260 mm	10'9"	3260 mm	10'9"	
26	Tread Width	2440 mm	8'0"	2440 mm	8'0"	

†Dimensions are listed in Operating Specifications charts.

All height and tire related dimensions are with Bridgestone 29.5R25 VSNT L4 radial tires (see Tire Option Chart for other tires). "Width over Tires" dimensions are over the bulge and include growth.

• All dimensions are approximate and based on machine equipped with 5.4 m³ (7.1 yd³) general purpose bucket with BOCE and Bridgestone 29.5R25 VSNT L4 radial tires. (see Operating Specifications for other buckets)

Tire Options

Tire Brand	Bridgestone	Michelin	Michelin	Michelin	Bridgestone	Michelin
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-4	L-4	L–5	L5	L–3	L–3
Tread Pattern	VSNT	XLDD1	XLDD2	XMINED2	VJT	XHA2
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3256 mm 10'9"	3275 mm 10'9"	3263 mm 10'9"	3270 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3296 mm 10'10"	3294 mm 10'10"	3289 mm 10'10"	3296 mm 10'10"
Change in Vertical Dimensions		-7 mm	-6 mm	5 mm	-23 mm	-40 mm
(average of front and rear)		-0.3"	-0.2"	0.2"	-0.9"	-1.6"
Change in Horizontal Reach		-1 mm 0"	3 mm 0.1"	3 mm 0.1"	20 mm 0.8"	23 mm 0.9"
Change in Clearance Circle to Outside of Tires		42 mm 1.7"	36 mm 1.4"	34 mm 1.3"	29 mm 1.1"	36 mm 1.4"
Change in Clearance Circle to Inside of Tires		-42 mm -1.7"	-36 mm -1.4"	-34 mm -1.3"	-29 mm -1.1"	-36 mm -1.4"
Change in Operating Weight (without Ballast)		-156 kg -344 lb	208 kg 459 lb	532 kg 1,173 lb	-684 kg -1,508 lb	-700 kg -1,544 lb
Change in Static Tipping Load – Straight		-119 kg -262 lb	158 kg 349 lb	405 kg 892 lb	-520 kg -1,147 lb	-532 kg -1,174 lb
Change in Static Tipping Load – Articulated		-103 kg -228 lb	138 kg 304 lb	352 kg 777 lb	-453 kg -998 lb	-463 kg -1,022 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"
*Width over tire bulge and includes tire growth.						
Tire Brand	Bridgestone	Bridgestone	Maxam	Maxam	Maxam	Brawler
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25	29.5-25
Tread Type	L–5	L–5	L–3	L-4	L–5	Solid
Tread Pattern	VSDT	VSDL	MS302	MS405DX	MS503	Traction/Smooth
Width over Tires – Maximum (empty)*	3272 mm 10'9"	3250 mm 10'8"	3270 mm 10'9"	3256 mm 10'9"	3268 mm 10'9"	3227 mm 10'8"
Width over Tires – Maximum (loaded)*	3301 mm 10'10"	3275 mm 10'9"	3290 mm 10'10"	3282 mm 10'10"	3304 mm 10'11"	3230 mm 10'8"
Change in Vertical Dimensions	4 mm	20 mm	-19 mm	-33 mm	-6 mm	9 mm
(average of front and rear)	0.1"	0.8"	-0.8"	-1.3"	-0.2"	0.4"
Change in Horizontal Reach	0 mm 0"	-10 mm -0.4"	6 mm 0.2"	19 mm 0.7"	-3 mm -0.1"	30 mm 1.2"
			20			20

Change in Clearance Circle to Outside of Tires	41 mm	15 mm	30 mm	22 mm	44 mm	-30 mm
	1.6"	0.6"	1.2"	0.9"	1.7"	-1.2"
Change in Clearance Circle to Inside of Tires	-41 mm	-15 mm	-30 mm	-22 mm	-44 mm	30 mm
	-1.6"	-0.6"	-1.2"	-0.9"	-1.7"	1.2"
Change in Operating Weight (without Ballast)	500 kg	708 kg	-528 kg	–388 kg	252 kg	5772 kg
	1,103 lb	1,561 lb	-1,164 lb	–856 lb	556 lb	12,727 lb
Change in Static Tipping Load – Straight	380 kg	538 kg	-402 kg	-295 kg	192 kg	4390 kg
	838 lb	1,187 lb	-885 lb	-651 lb	423 lb	9,679 lb
Change in Static Tipping Load – Articulated	331 kg	469 kg	-350 kg	–257 kg	167 kg	3821 kg
	730 lb	1,033 lb	-771 lb	–566 lb	368 lb	8,425 lb
Rear Axle Oscillation Angle	±13 degrees	±8 degrees				
Maximum Single-wheel Rise and Fall	549 mm	340 mm				
	1'10"	1'10"	1'10"	1'10"	1'10"	1'1"

 $\ensuremath{^*\text{Width}}$ over tire bulge and includes tire growth.

Tire Options

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L–3	L–3	L4	L4
Tread Pattern	XHA2	VTS	VLTS	MS405DX
Width over Tires – Maximum (empty)*	3373 mm	3341 mm	3344 mm	3357 mm
	11'1"	11'0"	11'0"	11'1"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm
	11'2"	11'1"	11'1"	11'2"
Change in Vertical Dimensions	-25 mm	-19 mm	-16 mm	-34 mm
(average of front and rear)	-1"	-0.8"	-0.6"	-1.3"
Change in Horizontal Reach	18 mm	20 mm	19 mm	19 mm
	0.7"	0.8"	0.7"	0.7"
Change in Clearance Circle to Outside of Tires	124 mm	99 mm	106 mm	122 mm
	4.9"	3.9"	4.2"	4.8"
Change in Clearance Circle to Inside of Tires	-124 mm	-99 mm	-106 mm	-122 mm
	-4.9"	-3.9"	-4.2"	-4.8"
Change in Operating Weight (without Ballast)	40 kg	240 kg	316 kg	308 kg
	88 lb	529 lb	697 lb	679 lb
Change in Static Tipping Load – Straight	-30 kg	183 kg	240 kg	234 kg
	-67 lb	402 lb	530 lb	516 lb
Change in Static Tipping Load – Articulated	-26 kg	159 kg	209 kg	204 kg
	-58 lb	350 lb	461 lb	450 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"

*Width over tire bulge and includes tire growth.

Bucket Fill Factors and Selection Guide

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

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

*As a % of ISO 7546 rated capacity.

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

Μ	ateria	al Density	kg/m ³	900	1(000	100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
			5.4 m³ (7 yd³)								6.2 m	 ³ (8 yd³) 		1	5.4 r	 n³ (7 yd 	³)			
	Pin On	General	5.7 m³ (7.5 yd³)							6.6 m ³	(8.5 yd³)			5.7 m ³	(7.5 yd³))				
Standard Linkage	Pir	Purpose	6 m³ (7.75 yd³)						6.9	 m³ (9 yd³) 			6 m³ (7	/.75 yd³)						
Standar			6.4 m³ (8.25 yd³)					7.4 m³ (9).75 yd ³			6.4 m ³	(8.25 yd³)							
	Hook On	General	5.4 m³ (7 yd³)							6.2 m ³	(8 yd³)			 5.4 m³ 	 (7 yd³) 					
	Hoc	Purpose	5.7 m³ (7.5 yd³)						6.6 m ³	(8.5 yd³)			5.7 m ³	 (7.5 yd³) 						
			5.4 m³ (7 yd³)							6.2 m ³	(8 yd³)			 5.4 m³ 	 (7 yd³) 					
High Lift	Pin On	General Purpose	5.7 m³ (7.5 yd³)						6.6 m ³ (8.5 yd³)			5.7 m³ ((7.5 yd³) 						
Hig	Pir		6 m³ (7.75 yd³)					6.9 	m³ (9 yc	3)		6 m³ (7	/ 7.75 yd³) 							
			6.4 m³ (8.25 yd³)			7.4	 m³ (9	.75 yd³)			6.4 m	³ (8.25 yd	13)							
_			5.4 m³ (7 yd³)									6.2 r	 m³ (8 yd³) 	Ļ		5	 .4 m³ (7 	yd³)		
Aggregate Handler	Pin On	General	5.7 m³ (7.5 yd³)								6.6 m ³	(8.5 yd³)		1	5.7	/ m³ (7.5	5 yd³)			
Aggrega	Pir	Purpose	6 m³ (7.75 yd³)							 6.9 n 	n³ (9 yd³)			6 m ²	 ³ (7.75 yc 	 ³)				
			6.4 m ³ (8.25 yd ³)						7.4 m ³	(9.75 yd ³			6.4 m ³	 * (8.25 yd [:] 	3)					
M	ateria	al Density	lb/yd³	1,517	7 1,	6 85 1	,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876	4,044
	115		Fill Factor 05% 100% 95%																	

Note: All buckets are showing Bolt-On Edges.

Bucket Fill Factors and Selection Guide

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

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

*As a % of ISO 7546 rated capacity.

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

Μ	ateri	al Density	kg/m³	30	00 400 5	500 6	00 70	00 80	00 9	000 1	000 11	00 12	200 13	00 14	00 15	00 16	00 1700) 1800) 190	0 20	00 21	00 2200) 2300
		Rock,	4.2 m³ (5.5 yd³)													4	 .8 m³ (6.25	ō yd³)				4 m ³	 (5.25 yd³)
		Spade	4.5 m³ (6 yd³)												5.2 m	³ (6.75 y	d ³)				4.3 m³ (5.5 yd³)	
Standard Linkage	Pin On	Coal	8.2 m ³ (10.75 yd ³)						9.4 m ³	 ³ (12.25 y	d ³)		 8.2 m³ (1)	 0.75 yd³] 									
Standar	Pin	Waste	10.7 m³ (14 yd³)			12.3	 m³ (16 y 	/d ³)	1	 0.7 m³ (1 	4 yd³)												
		Woodchin	14.5 m³ (19 yd³)		16.7 m ³ (21.75	i yd³)	14.	5 m ³ (19	yd³)														
	Hook On	Woodchip	14.3 m³ (18.75 yd³)		16.45 m³ (21.5 y	d ³)	14.3 m ³	 (18.75 y	d³)														
		Rock	4 m³ (5.25 yd³)													4.6 r	n ³ (6 yd ³)				3.	 8 m³ (5 yd [:])
		Rock,	4.2 m³ (5.5 yd³)												4.8 ı	n³ (6.25 y	/d³)				4 m ³	 (5.25 yd³) 	
High Lift	Pin On	Spade	4.5 m³ (6 yd³)											5.2 m	 ³ (6.75 yc 	¹³)			4.3	m³ (5.5	yd³)		
		Coal	8.2 m³ (10.75 yd³)					7.4 ı	m³ (9.75	yd³)		8.2 m ³	 (10.75 yd 	3)									
		Waste	10.7 m³ (14 yd³)			 12.3 m³ (16 yd³)		10.7 m	 1 ³ (14 yd ³) 												
ndler		Coal	8.2 m³ (10.75 yd³)							9.4 m³ (12.25 yd³)	8	 .2 m³ (10).75 yd³) 								
Aggregate Handler	Pin On	Waste	10.7 m³ (14 yd³)				 12.3 m ³ 	 (16 yd³) 		10.7	 m³ (14 yo 	 ³)											
Aggr	Pin	Woodchip	14.5 m³ (19 yd³)		16.7 m³ (2	 21.75 yd³) 		12 m³ (1	l5.75 yd	 3) 													
Μ	ateri	al Density	lb/yd³	50	06 674 8	843 1,0	011 1,1	180 1,3	48 1,	517 1,	685 1,8	354 2,	022 2,1	191 2,3	359 2,5	28 2,6	96 2,86	5 3,033	3 3,20	2 3,3	70 3,	539 3,70	7 3,876
	1159	Bucket Fi % 110% 10	ll Factor 5% 100% 95%																				

Note: All buckets are showing Bolt-On Edges.

Linkage				Standa	rd Linkage		
Bucket Type				General Pu	rpose – Pin On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	5.40	5.40	5.00	5.70	5.70	5.30
	yd ³	7.00	7.00	6.50	7.50	7.50	7.00
Capacity – Rated at 110% Fill Factor	m ³	5.90	5.90	5.50	6.30	6.30	5.80
	yd ³	7.75	7.75	7.25	8.25	8.25	7.50
Width	mm	3447	3535	3535	3447	3535	3535
	ft/in	11'3"	11'7"	11'7"	11'3"	11'7"	11'7"
16† Dump Clearance at Maximum Lift	mm	3287	3121	3121	3219	3051	3051
and 45° Discharge	ft/in	10'9"	10'2"	10'2"	10'6"	10'0"	10'0"
17† Reach at Maximum Lift and	mm	1481	1618	1618	1529	1664	1664
45° Discharge	ft/in	4'10"	5'3"	5'3"	5'0"	5'5"	5'5"
Reach at Level Lift Arm and	mm	2966	3177	3177	3050	3261	3261
Bucket Level	ft/in	9'8"	10'5"	10'5"	10'0"	10'8"	10'8"
A ⁺ Digging Depth	mm	88	88	53	88	88	53
	in	3.4"	3.4"	2.1"	3.4"	3.4"	2.1"
12† Overall Length	mm	9673	9915	9915	9757	9999	9999
	ft/in	31'9"	32'7"	32'7"	32'1"	32'10"	32'10"
B [†] Overall Height with Bucket at	mm	6435	6435	6435	6258	6258	6258
Maximum Lift	ft/in	21'2"	21'2"	21'2"	20'7"	20'7"	20'7"
Loader Clearance Circle Radius	mm	7612	7725	7725	7635	7749	7749
with Bucket at Carry Position	ft/in	25'0"	25'5"	25'5"	25'1"	25'6"	25'6"
Static Tipping Load, Straight (ISO)*	kg	22 809	22 623	23 066	22 564	22 377	22 817
	lb	50,271	49,861	50,839	49,732	49,321	50,288
Static Tipping Load, Straight	kg	24 219	24 032	24 493	23 977	23 788	24 245
(Rigid Tire)*	lb	53,380	52,967	53,984	52,845	52,429	53,436
Static Tipping Load,	kg	19 706	19 520	19 936	19 478	19 291	19 703
Articulated (ISO)*	lb	43,432	43,022	43,939	42,931	42,518	43,427
Static Tipping Load, Articulated	kg	20 965	20 777	21 209	20 740	20 552	20 979
(Rigid Tire)*	lb	46,208	45,794	46,745	45,713	45,296	46,239
Breakout Force(§)	kN	227	224	242	214	211	227
	lbf	51,008	50,477	54,405	48,132	47,613	51,158
Operating Weight*	kg	30 344	30 482	30 307	30 427	30 565	30 390
	lb	66,877	67,182	66,795	67,060	67,365	66,978

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage				Standard	l Linkage		
Bucket Type				General Purp	ose – Pin On]	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	6.00	6.00	5.80	6.40	6.40	6.10
	yd ³	7.75	7.75	7.50	8.25	8.25	8.00
Capacity – Rated at 110% Fill Factor	m ³	6.60	6.60	6.40	7.00	7.00	6.70
	yd ³	8.75	8.75	8.25	9.25	9.25	8.75
Width	mm	3447	3535	3535	3447	3535	3535
	ft/in	11'3"	11'7"	11'7"	11'3"	11'7"	11'7"
6† Dump Clearance at Maximum Lift	mm	3201	3034	3034	3145	2977	2977
and 45° Discharge	ft/in	10'6"	9'11"	9'11"	10'3"	9'9"	9'9"
7† Reach at Maximum Lift and 45° Discharge	mm	1551	1686	1686	1603	1737	1737
	ft/in	5'1"	5'6"	5'6"	5'3"	5'8"	5'8"
Reach at Level Lift Arm and Bucket Level	mm	3078	3289	3289	3155	3366	3366
	ft/in	10'1"	10'9"	10'9"	10'4"	11'0"	11'0"
A† Digging Depth	mm	88	88	53	88	88	53
	in	3.4"	3.4"	2.1"	3.4"	3.4"	2.1"
2† Overall Length	mm	9785	10 027	10027	9862	10 104	10 104
	ft/in	32'2"	32'11"	32'11"	32'5"	33'2"	33'2"
B [†] Overall Height with Bucket at Maximum Lift	mm	6284	6284	6284	6604	6604	6604
	ft/in	20'8"	20'8"	20'8"	21'8"	21'8"	21'8"
Loader Clearance Circle Radius with Bucket	mm	7643	7757	7757	7664	7779	7779
at Carry Position	ft/in	25'1"	25'6"	25'6"	25'2"	25'7"	25'7"
Static Tipping Load, Straight (ISO)*	kg	22 424	22 237	22 672	22 253	22 064	22 530
	lb	49,423	49,011	49,970	49,046	48,631	49,657
Static Tipping Load, Straight (Rigid Tire)*	kg	23 839	23 649	24 103	23 676	23 485	23 969
	lb	52,541	52,124	53,123	52,182	51,762	52,829
Static Tipping Load, Articulated (ISO)*	kg	19 343	19 155	19 564	19 183	18 994	19 429
	lb	42,632	42,219	43,119	42,280	41,864	42,822
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 608	20 418	20 843	20 457	20 266	20 717
	lb	45,420	45,002	45,938	45,087	44,667	45,661
Breakout Force (§)	kN	210	207	222	199	197	211
	lbf	47,182	46,666	50,092	44,880	44,374	47,515
Operating Weight*	kg	30 523	30 661	30 486	30 585	30 723	30 548
	lb	67,272	67,577	67,190	67,408	67,713	67,326

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO14397-1:2007 Sections 1 thru 5.

Linkage				Standard Linkage		
Bucket Type		Pin On – Coal	Pin On – Woodchip	Pin On –	Waste	Pin On – Waste, Dozing
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Rubber Edge	Bolt-On Cutting Edges
Capacity – Rated	m ³	8.20	14.50	10.70	10.70	9.90
	yd ³	10.75	19.00	14.00	14.00	13.00
Capacity - Rated at 110% Fill Factor	m ³	9.00	16.00	11.80	11.80	10.90
	yd ³	11.75	21.00	15.50	15.50	14.25
Width	mm	3638	4434	3882	3882	3882
	ft/in	11'11"	14'6"	12'8"	12'8"	12'8"
16† Dump Clearance at Maximum Lift	mm	2931	2739	2834	2755	3067
and 45° Discharge	ft/in	9'7"	8'11"	9'3"	9'0"	10'0"
17† Reach at Maximum Lift and	mm	1625	1802	1693	1620	1460
45° Discharge	ft/in	5'4"	5'10"	5'6"	5'3"	4'9"
Reach at Level Lift Arm and	mm	3336	3597	3453	3457	3123
Bucket Level	ft/in	10'11"	11'9"	11'3"	11'4"	10'2"
A† Digging Depth	mm	93	104	74	74	114
	in	3.6"	4.1"	2.9"	2.9"	4.5"
12† Overall Length	mm	10 047	10 317	10 181	10 265	9851
	ft/in	33'0"	33'11"	33'5"	33'9"	32'4"
B [†] Overall Height with Bucket at	mm	6551	7047	6958	6958	7130
Maximum Lift	ft/in	21'6"	23'2"	22'10"	22'10"	23'5"
Loader Clearance Circle Radius	mm	7805	8243	7956	7995	7863
with Bucket at Carry Position	ft/in	25'8"	27'1"	26'2"	26'3"	25'10"
Static Tipping Load, Straight (ISO)*	kg	21 810	21 013	20 785	20 918	23 001
	lb	48,069	46,314	45,810	46,103	50,695
Static Tipping Load, Straight	kg	23 281	22 640	22 296	22 432	24 756
(Rigid Tire)*	1b	51,313	49,898	49,141	49,441	54,563
Static Tipping Load,	kg	18 738	17 862	17 728	17 861	19 707
Articulated (ISO)*	lb	41,300	39,368	39,072	39,366	43,436
Static Tipping Load, Articulated	kg	20 060	19 328	19 089	19 225	21 287
(Rigid Tire)*	lb	44,213	42,600	42,073	42,373	46,917
Breakout Force (§)	kN	177	151	172	170	204
	lbf	39,906	33,932	38,687	38,377	45,993
Operating Weight*	kg	30 931	32 192	31 817	31 733	31 581
	lb	68,171	70,951	70,124	69,939	69,605

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage					Sta	ndard Link	age			
Bucket Type		Fla	t Floor – Pir	ı On		Flat Floor – Pin On – BGE		Flat Floor – Pin On – Light Material		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Flush Mounted Tips	Flush Mounted Tips	Bolt-On Cutting Edges (Steel)	Bolt-On Cutting Edges (Rubber)	Bolt-On Cutting Edges (Steel)	Bolt-On Cutting Edges (Rubber)
Capacity – Rated	m ³	5.70	5.70	5.50	5.60	5.70	9.90	9.90	10.70	10.70
	yd ³	7.50	7.50	7.25	7.25	7.50	13.00	13.00	14.00	14.00
Capacity – Rated at 110% Fill Factor	m ³	6.30	6.30	6.10	6.20	6.30	10.90	10.90	11.80	11.80
	yd ³	8.25	8.25	8.00	8.00	8.25	14.25	14.25	15.50	15.50
Width	mm	3447	3535	3535	3580	3580	3882	3882	3882	3882
	ft/in	11'3"	11'7"	11'7"	11'8"	11'8"	12'8"	12'8"	12'8"	12'8"
16 [†] Dump Clearance at Maximum Lift	mm	3120	2943	2943	3216	2976	3067	2989	2834	2755
and 45° Discharge	ft/in	10'2"	9'7"	9'7"	10'6"	9'9"	10'0"	9'9"	9'3"	9'0"
17† Reach at Maximum Lift and	mm	1444	1566	1566	1389	1627	1460	1387	1693	1620
45° Discharge	ft/in	4'8"	5'1"	5'1"	4'6"	5'4"	4'9"	4'6"	5'6"	5'3"
Reach at Level Lift Arm and	mm	3075	3286	3286	2968	3306	3123	3127	3453	3457
Bucket Level	ft/in	10'1"	10'9"	10'9"	9'8"	10'10"	10'2"	10'3"	11'3"	11'4"
A [†] Digging Depth	mm	88	88	53	59	59	74	74	74	74
	in	3.4"	3.4"	2.1"	2.3"	2.3"	2.9"	2.9"	2.9"	2.9"
12† Overall Length	mm	9782	10 024	10 024	9652	9991	9851	9935	10 181	10 265
	ft/in	32'2"	32'11"	32'11"	31'8"	32'10"	32'4"	32'8"	33'5"	33'9"
B [†] Overall Height with Bucket at	mm	6257	6257	6257	6500	6493	7169	7169	6946	6946
Maximum Lift	ft/in	20'7"	20'7"	20'7"	21'4"	21'4"	23'7"	23'7"	22'10"	22'10"
Loader Clearance Circle Radius	mm	7642	7756	7756	7662	7757	7863	7904	7956	7995
with Bucket at Carry Position	ft/in	25'1"	25'6"	25'6"	25'2"	25'6"	25'10"	25'12"	26'2"	26'3"
Static Tipping Load, Straight (ISO)*	kg	22 062	21 878	22 298	21 379	21 422	23 032	23 164	20 900	21 030
	1b	48,626	48,220	49,146	47,120	47,215	50,762	51,054	46,065	46,350
Static Tipping Load, Straight	kg	23 432	23 246	23 682	22 749	22 792	24 808	24 944	22 413	22 545
(Rigid Tire)*	lb	51,644	51,234	52,195	50,139	50,234	54,677	54,978	49,398	49,689
Static Tipping Load,	kg	19 030	18 846	19 241	18 321	18 365	19 728	19 860	17 843	17 972
Articulated (ISO)*	lb	41,943	41,536	42,407	40,380	40,476	43,481	43,773	39,327	39,612
Static Tipping Load, Articulated	kg	20 254	20 068	20 477	19 543	19 586	21 330	21 466	19 206	19 338
(Rigid Tire)*	lb	44,640	44,230	45,132	43,074	43,169	47,011	47,312	42,330	42,622
Breakout Force (§)	kN	210	208	223	222	222	213	211	172	171
	lbf	47,288	46,772	50,212	50,021	50,063	47,906	47,479	38,805	38,491
Operating Weight*	kg	30 552	30 690	30 515	31 363	31 311	31 478	31 396	31 706	31 623
	lb	67,336	67,641	67,254	69,123	69,010	69,377	69,196	69,879	69,696

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§) Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage				Standar	d Linkage		
Bucket Type			Rock, Spade	*** – Pin On		Rock, Spade	HD*** – Pin On
Edge Type		Tips	Teeth and Segments	Tips	Teeth and Segments	Tips	Teeth and Segments
Capacity – Rated	m ³	4.20	4.40	4.50	4.70	4.20	4.30
	yd ³	5.50	5.75	6.00	6.25	5.50	5.50
Capacity – Rated at 110% Fill Factor	m ³	4.60	4.80	5.00	5.20	4.60	4.70
	yd ³	6.00	6.25	6.50	6.75	6.00	6.25
Width	mm	3524	3524	3524	3524	3546	3546
	ft/in	11'6"	11'6"	11'6"	11'6"	11'7"	11'7"
16† Dump Clearance at Maximum Lift	mm	3132	3132	3133	3133	3223	3223
and 45° Discharge	ft/in	10'3"	10'3"	10'3"	10'3"	10'6"	10'6"
17† Reach at Maximum Lift and	mm	1768	1768	1767	1767	1724	1724
45° Discharge	ft/in	5'9"	5'9"	5'9"	5'9"	5'7"	5'7"
Reach at Level Lift Arm and	mm	3279	3279	3278	3278	3184	3184
Bucket Level	ft/in	10'9"	10'9"	10'9"	10'9"	10'5"	10'5"
A [†] Digging Depth	mm	48	83	48	83	40	75
	in	1.9"	3.2"	1.9"	3.2"	1.5"	2.9"
12† Overall Length	mm	9992	9992	9991	9991	9894	9894
	ft/in	32'10"	32'10"	32'10"	32'10"	32'6"	32'6"
B [†] Overall Height with Bucket at	mm	6202	6202	6193	6193	6415	6415
Maximum Lift	ft/in	20'5"	20'5"	20'4"	20'4"	21'1"	21'1"
Loader Clearance Circle Radius	mm	7740	7740	7739	7739	7721	7721
with Bucket at Carry Position	ft/in	25'5"	25'5"	25'5"	25'5"	25'4"	25'4"
Static Tipping Load, Straight (ISO)*	kg	23 913	23 435	23 543	23 050	23 696	23 246
	lb	52,705	51,651	51,890	50,804	52,226	51,235
Static Tipping Load, Straight	kg	25 353	24 871	24 986	24 489	25 210	24 750
(Rigid Tire)*	lb	55,879	54,817	55,070	53,974	55,564	54,550
Static Tipping Load,	kg	20 702	20 232	20 347	19 866	20 430	19 986
Articulated (ISO)*	lb	45,628	44,593	44,846	43,784	45,027	44,050
Static Tipping Load, Articulated	kg	21 985	21 513	21 635	21 149	21 781	21 328
(Rigid Tire)*	lb	48,456	47,415	47,683	46,613	48,006	47,007
Breakout Force (§)	kN	230	213	229	212	248	228
	lbf	51,746	47,885	51,543	47,693	55,815	51,417
Operating Weight*	kg	30 729	31 030	31 025	31 327	31 266	31 567
	lb	67,725	68,390	68,378	69,043	68,909	69,574

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage				St	andard Linka	ige		
Bucket Type			Hook	On – Fusion™	™ – General P	urpose		Hook On – Fusion – Woodchip
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges
Capacity – Rated	m ³	5.40	5.40	5.00	5.70	5.70	5.30	14.50
	yd ³	7.00	7.00	6.50	7.50	7.50	7.00	19.00
Capacity – Rated at 110% Fill Factor	m^3	5.90	5.90	5.50	6.30	6.30	5.80	16.00
	yd ³	7.75	7.75	7.25	8.25	8.25	7.50	21.00
Width	mm	3447	3535	3535	3447	3535	3535	4433.4
	ft/in	11'3"	11'7"	11'7"	11'3"	11'7"	11'7"	14'6"
16† Dump Clearance at Maximum Lift	mm	3183	3017	3017	3117	2950	2950	2668
and 45° Discharge	ft/in	10'5"	9'10"	9'10"	10'2"	9'8"	9'8"	8'9"
17† Reach at Maximum Lift and	mm	1588	1724	1724	1640	1775	1775	1915
45° Discharge	ft/in	5'2"	5'7"	5'7"	5'4"	5'9"	5'9"	6'3"
Reach at Level Lift Arm and	mm	3116	3327	3327	3200	3411	3411	3727
Bucket Level	ft/in	10'2"	10'11"	10'11"	10'6"	11'2"	11'2"	12'2"
A [†] Digging Depth	mm	93	93	58	93	93	58	75
	in	3.6"	3.6"	2.3"	3.6"	3.6"	2.3"	2.9"
12† Overall Length	mm	9827	10 069	10 069	9911	10 153	10 153	10 423
	ft/in	32'3"	33'1"	33'1"	32'7"	33'4"	33'4"	34'3"
B ⁺ Overall Height with Bucket at	mm	6532	6532	6532	6599	6599	6599	7172
Maximum Lift	ft/in	21'6"	21'6"	21'6"	21'8"	21'8"	21'8"	23'7"
Loader Clearance Circle Radius	mm	7694	7817	7817	7721	7845	7845	8395
with Bucket at Carry Position	ft/in	25'3"	25'8"	25'8"	25'4"	25'9"	25'9"	27'7"
Static Tipping Load, Straight (ISO)*	kg	21 361	21 177	21 611	21 136	20 950	21 367	18 903
	lb	47,080	46,674	47,631	46,584	46,175	47,094	41,662
Static Tipping Load, Straight	kg	22 728	22 542	22 996	22 511	22 324	22 757	20 315
(Rigid Tire)*	lb	50,092	49,682	50,685	49,615	49,202	50,157	44,774
Static Tipping Load,	kg	18 354	18 169	18 575	18 140	17 954	18 346	15 989
Articulated (ISO)*	lb	40,452	40,046	40,941	39,981	39,572	40,436	35,240
Static Tipping Load, Articulated	kg	19 576	19 390	19 815	19 372	19 185	19 591	17 262
(Rigid Tire)*	lb	43,147	42,737	43,673	42,697	42,284	43,179	38,046
Breakout Force (§)	kN	203	201	216	193	190	204	141
	lbf	45,829	45,315	48,584	43,399	42,894	45,873	31,880
Operating Weight*	kg	31 086	31 224	31 049	31 196	31 334	31 1 59	32 572
	lb	68,513	68,817	68,431	68,755	69,060	68,673	71,789

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage				High Li	ft Linkage		
Bucket Type				General Pur	pose – Pin On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	5.40	5.40	5.00	5.70	5.70	5.30
	yd ³	7.00	7.00	6.50	7.50	7.50	7.00
Capacity – Rated at 110% Fill Factor	m ³	5.90	5.90	5.50	6.30	6.30	5.80
	yd ³	7.75	7.75	7.25	8.25	8.25	7.50
Width	mm	3447	3535	3535	3447	3535	3535
	ft/in	11'3"	11'7"	11'7"	11'3"	11'7"	11'7"
16 [†] Dump Clearance at Maximum Lift	mm	3508	3342	3342	3439	3272	3272
and 45° Discharge	ft/in	11'6"	10'11"	10'11"	11'3"	10'8"	10'8"
17† Reach at Maximum Lift and	mm	1484	1621	1621	1532	1667	1667
45° Discharge	ft/in	4'10"	5'3"	5'3"	5'0"	5'5"	5'5"
Reach at Level Lift Arm and	mm	3126	3337	3337	3210	3421	3421
Bucket Level	ft/in	10'3"	10'11"	10'11"	10'6"	11'2"	11'2"
A [†] Digging Depth	mm	86	86	51	86	86	51
	in	3.4"	3.4"	2"	3.4"	3.4"	2"
12† Overall Length	mm	9875	10 114	10 114	9959	10 198	10 198
	ft/in	32'5"	33'3"	33'3"	32'9"	33'6"	33'6"
B [†] Overall Height with Bucket at	mm	6656	6656	6656	6478	6478	6478
Maximum Lift	ft/in	21'11"	21'11"	21'11"	21'4"	21'4"	21'4"
Loader Clearance Circle Radius	mm	8114	8226	8226	8137	8250	8250
with Bucket at Carry Position	ft/in	26'8"	27'0"	27'0"	26'9"	27'1"	27'1"
Static Tipping Load, Straight (ISO)*	kg	20 833	20 650	21 063	20 603	20 419	20 828
	lb	45,917	45,513	46,424	45,410	45,004	45,906
Static Tipping Load, Straight	kg	22 033	21 849	22 276	21 805	21 619	22 043
(Rigid Tire)*	lb	48,562	48,156	49,098	48,058	47,649	48,583
Static Tipping Load,	kg	18 354	18 171	18 563	18 137	17 953	18 342
Articulated (ISO)*	lb	40,453	40,049	40,914	39,975	39,569	40,426
Static Tipping Load, Articulated	kg	19 430	19 245	19 650	19 215	19 029	19 431
(Rigid Tire)*	lb	42,823	42,416	43,309	42,351	41,941	42,826
Breakout Force (§)	kN	230	228	245	217	215	231
	lbf	51,775	51,273	55,258	48,860	48,369	51,964
Operating Weight*	kg	30 477	30 616	30 440	30 560	30 699	30 523
	lb	67,171	67,476	67,089	67,354	67,659	67,272

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage				High Li	ft Linkage		
Bucket Type				General Pu	rpose – Pin On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	6.00	6.00	5.80	6.40	6.40	6.10
	yd ³	7.75	7.75	7.50	8.25	8.25	8.00
Capacity – Rated at 110% Fill Factor	m ³	6.60	6.60	6.40	7.00	7.00	6.70
	yd ³	8.75	8.75	8.25	9.25	9.25	8.75
Width	mm	3447	3535	3535	3447	3535	3535
	ft/in	11'3"	11'7"	11'7"	11'3"	11'7"	11'7"
16 [†] Dump Clearance at Maximum Lift	mm	3421	3254	3254	3366	3198	3198
and 45° Discharge	ft/in	11'2"	10'8"	10'8"	11'0"	10'5"	10'5"
7 [†] Reach at Maximum Lift and	mm	1554	1688	1688	1606	1740	1740
45° Discharge	ft/in	5'1"	5'6"	5'6"	5'3"	5'8"	5'8"
Reach at Level Lift Arm and	mm	3238	3449	3449	3315	3526	3526
Bucket Level	ft/in	10'7"	11'3"	11'3"	10'10"	11'6"	11'6"
A† Digging Depth	mm	86	86	51	86	86	51
	in	3.4"	3.4"	2"	3.4"	3.4"	2"
12† Overall Length	mm	9987	10 226	10 226	10 064	10 303	10 303
	ft/in	32'10"	33'7"	33'7"	33'1"	33'10"	33'10"
B [†] Overall Height with Bucket at	mm	6504	6504	6504	6824	6824	6824
Maximum Lift	ft/in	21'5"	21'5"	21'5"	22'5"	22'5"	22'5"
Loader Clearance Circle Radius	mm	8144	8258	8258	8166	8279	8279
with Bucket at Carry Position	ft/in	26'9"	27'2"	27'2"	26'10"	27'2"	27'2"
Static Tipping Load, Straight (ISO)*	kg	20 466	20 282	20 688	20 302	20 117	20 550
	lb	45,108	44,702	45,596	44,747	44,338	45,293
Static Tipping Load, Straight	kg	21 669	21 483	21 904	21 512	21 324	21 773
(Rigid Tire)*	lb	47,760	47,350	48,276	47,413	47,000	47,988
Static Tipping Load,	kg	18 004	17 820	18 205	17 850	17 664	18 074
Articulated (ISO)*	lb	39,682	39,275	40,125	39,342	38,932	39,835
Static Tipping Load, Articulated	kg	19 084	18 898	19 296	18 937	18 749	19 172
(Rigid Tire)*	lb	42,062	41,651	42,530	41,737	41,323	42,255
Breakout Force(§)	kN	213	211	226	202	200	214
	lbf	47,897	47,409	50,884	45,564	45,084	48,270
Operating Weight*	kg	30 656	30 795	30 619	30 718	30 857	30 681
	lb	67,566	67,871	67,484	67,703	68,007	67,621

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage			High Lift Linkage	
Bucket Type		Ge	neral Purpose – Pin On – Abrasion	1
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	6.00	6.00	5.70
	yd ³	7.75	7.75	7.50
Capacity - Rated at 110% Fill Factor	m ³	6.60	6.60	6.30
	yd ³	8.75	8.75	8.25
Width	mm	3447	3546	3546
	ft/in	11'3"	11'7"	11'7"
16† Dump Clearance at Maximum Lift	mm	3422	3258	3258
and 45° Discharge	ft/in	11'2"	10'8"	10'8"
17 † Reach at Maximum Lift and	mm	1553	1688	1688
45° Discharge	ft/in	5'1"	5'6"	5'6"
Reach at Level Lift Arm and	mm	3237	3446	3446
Bucket Level	ft/in	10'7"	11'3"	11'3"
A† Digging Depth	mm	86	86	51
	in	3.4"	3.4"	2"
12† Overall Length	mm	9986	10 221	10 221
	ft/in	32'10"	33'7"	33'7"
B [†] Overall Height with Bucket at	mm	6744	6744	6744
Maximum Lift	ft/in	22'2"	22'2"	22'2"
Loader Clearance Circle Radius	mm	8144	8261	8261
with Bucket at Carry Position	ft/in	26'9"	27' 2"	27'2"
Static Tipping Load, Straight (ISO)*	kg	20 403	20 245	20 663
	lb	44,968	44,621	45,541
Static Tipping Load, Straight	kg	21 598	21 439	21 872
(Rigid Tire)*	lb	47,604	47,253	48,206
Static Tipping Load,	kg	17 949	17 791	18 187
Articulated (ISO)*	lb	39,560	39,212	40,086
Static Tipping Load, Articulated	kg	19 022	18 862	19 272
(Rigid Tire)*	lb	41,924	41,573	42,476
Breakout Force (§)	kN	213	211	226
	lbf	47,914	47,479	50,911
Operating Weight*	kg	30 655	30 773	30 593
	lb	67,563	67,822	67,427

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage					Hig	h Lift Linka	age			
Bucket Type		Pin	On – Flat F	loor	Pin On – Flat Floor HD BGE	Pin On – Flat Floor BGE		Pin On –	Flat Floor	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Flush Mounted Tips	Flush Mounted Tips	Bolt-On Cutting Edges (Steel)	Bolt-On Cutting Edges (Rubber)	Bolt-On Cutting Edges (Steel)	Bolt-On Cutting Edges (Rubber)
Capacity – Rated	m ³	5.70	5.70	5.50	5.60	5.70	9.94	9.94	10.70	10.70
	yd ³	7.50	7.50	7.25	7.25	7.50	13.00	13.00	14.00	14.00
Capacity - Rated at 110% Fill Factor	m ³	6.30	6.30	6.10	6.20	6.30	10.90	10.90	11.80	11.80
	yd ³	8.25	8.25	8.00	8.00	8.25	14.25	14.25	15.50	15.50
Width	mm	3447	3535	3535	3580	3580	3882	3882	3882	3882
	ft/in	11'3"	11'7"	11'7"	11'8"	11'8"	12'8"	12'8"	12'8"	12'8"
16 [†] Dump Clearance at Maximum Lift	mm	3340	3163	3163	3436	3196	3288	3209	3054	2976
and 45° Discharge	ft/in	10'11"	10'4"	10'4"	11'3"	10'5"	10'9"	10'6"	10'0"	9'9"
17† Reach at Maximum Lift and	mm	1447	1569	1569	1392	1630	1463	1390	1696	1623
45° Discharge	ft/in	4'8"	5'1"	5'1"	4'6"	5'4"	4'9"	4'6"	5'6"	5'3"
Reach at Level Lift Arm and	mm	3235	3446	3446	3128	3466	3283	3287	3613	3617
Bucket Level	ft/in	10'7"	11'3"	11'3"	10'3"	11'4"	10'9"	10'9"	11'10"	11'10"
A† Digging Depth	mm	86	86	51	57	57	72	72	72	72
	in	3.4"	3.4"	2"	2.2"	2.2"	2.8"	2.8"	2.8"	2.8"
12† Overall Length	mm	9984	10 223	10 223	9855	10 194	10 051	10 129	10 381	10 459
·	ft/in	32'10"	33'7"	33'7"	32'4"	33'6"	33'0"	33'3"	34'1"	34'4"
B [†] Overall Height with Bucket at	mm	6477	6477	6477	6721	6714	7389	7389	7167	7167
Maximum Lift	ft/in	21'3"	21'3"	21'3"	22'1"	22'1"	24'3"	24'3"	23'7"	23'7"
Loader Clearance Circle Radius	mm	8143	8257	8257	8164	8259	8364	8404	8456	8494
with Bucket at Carry Position	ft/in	26'9"	27'2"	27'2"	26'10"	27'2"	27'6"	27'7"	27'9"	27'11"
Static Tipping Load, Straight (ISO)*	kg	20 155	19 973	20 366	19 456	19 500	20 794	20 923	18 938	19 065
	lb	44,423	44,022	44,888	42,882	42,979	45,831	46,114	41,741	42,020
Static Tipping Load, Straight	kg	21 323	21 140	21 546	20 623	20 666	22 274	22 406	20 216	20 345
(Rigid Tire)*	lb	46,996	46,592	47,487	45,453	45,549	49,093	49,384	44,556	44,840
Static Tipping Load,	kg	17 730	17 548	17 922	17 011	17 055	18 173	18 302	16 501	16 627
Articulated (ISO)*	lb	39,077	38,677	39,501	37,494	37,590	40,055	40,338	36,368	36,647
Static Tipping Load, Articulated	kg	18 777	18 594	18 979	18 056	18 099	19 514	19 646	17 656	17 784
(Rigid Tire)*	lb	41,386	40,982	41,831	39,796	39,891	43,009	43,301	38,914	39,198
Breakout Force (§)	kN	213	211	227	225	226	216	215	175	174
	lbf	48,005	47,516	51,005	50,767	50,810	48,670	48,327	39,438	39,194
Operating Weight*	kg	30 685	30 824	30 648	31 496	31 445	31 611	31 529	31 839	31 756
	lb	67,630	67,935	67,548	69,418	69,304	69,671	69,490	70,174	69,991

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage	High Lift Linkage								
Bucket Type		Pin On – Coal	Pin On – Woodchip	Pin On –	Waste	Pin On – Waste, Dozing	Pin On – Rock HD***		
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Rubber Edge	Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	m ³	8.20	14.50	10.70	10.70	9.90	4.00		
	yd ³	10.75	19.00	14.00	14.00	13.00	5.25		
Capacity – Rated at 110% Fill Factor	m ³	9.00	16.00	11.80	11.80	10.90	4.40		
	yd ³	11.75	21.00	15.50	15.50	14.25	5.75		
Width	mm	3638	4434	3882	3882	3882	3405		
	ft/in	11'11"	14'6"	12'8"	12'8"	12'8"	11'2"		
16 [†] Dump Clearance at Maximum Lift	mm	3152	2960	3054	2976	3288	3710		
and 45° Discharge	ft/in	10'4"	9'8"	10'0"	9'9"	10'9"	12'2"		
17† Reach at Maximum Lift and	mm	1628	1805	1696	1623	1463	1224		
45° Discharge	ft/in	5'4"	5'11"	5'6"	5'3"	4'9"	4'0"		
Reach at Level Lift Arm and	mm	3496	3757	3613	3617	3283	2798		
Bucket Level	ft/in	11'5"	12'3"	11'10"	11'10"	10'9"	9'2"		
A [†] Digging Depth	mm	91	102	72	72	112	107		
	in	3.6"	4"	2.8"	2.8"	4.4"	4.2"		
12† Overall Length	mm	10 248	10 517	10 381	10 459	10 051	9562		
	ft/in	33'8"	34'7"	34'1"	34'4"	33'0"	31'5"		
B ⁺ Overall Height with Bucket at	mm	6771	7267	7179	7179	7351	6156		
Maximum Lift	ft/in	22'3"	23'11"	23'7"	23'7"	24'2"	20'3"		
Loader Clearance Circle Radius	mm	8305	8742	8456	8494	8364	8018		
with Bucket at Carry Position	ft/in	27'3"	28'9"	27'9"	27'11"	27'6"	26'4"		
Static Tipping Load, Straight (ISO)*	kg	19 848	18 950	18 824	18 954	20 772	21 333		
	lb	43,745	41,766	41,488	41,774	45,782	47,019		
Static Tipping Load, Straight	kg	21 095	20 313	20 100	20 232	22 234	22 514		
(Rigid Tire)*	lb	46,494	44,770	44,301	44,593	49,005	49,622		
Static Tipping Load,	kg	17 397	16 443	16 386	16 516	18 159	18 799		
Articulated (ISO)*	lb	38,343	36,242	36,116	36,402	40,022	41,433		
Static Tipping Load, Articulated	kg	18 521	17 677	17 540	17 672	19 481	19 852		
(Rigid Tire)*	lb	40,820	38,961	38,658	38,950	42,936	43,755		
Breakout Force (§)	kN	180	153	175	173	207	295		
	lbf	40,529	34,486	39,320	39,080	46,707	66,366		
Operating Weight*	kg	31 064	32 325	31 950	31 866	31 715	31 130		
	lb	68,465	71,245	70,418	70,233	69,899	68,610		

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage	High Lift Linkage							
Bucket Type			Pin On – Roo	Pin On – Rock, Spade HD***				
Edge Type		Tips	Teeth and Segments	Tips	Teeth and Segments	Tips	Teeth and Segments	
Capacity – Rated	m ³	4.20	4.40	4.50	4.70	4.20	4.30	
	yd ³	5.50	5.75	6.00	6.25	5.50	5.50	
Capacity – Rated at 110% Fill Factor	m ³	4.60	4.80	5.00	5.20	4.60	4.70	
	yd ³	6.00	6.25	6.50	6.75	6.00	6.25	
Width	mm	3524	3524	3524	3524	3546	3546	
	ft/in	11'6"	11'6"	11'6"	11'6"	11'7"	11'7"	
16 [†] Dump Clearance at Maximum Lift	mm	3353	3353	3354	3354	3443	3443	
and 45° Discharge	ft/in	11'0"	11'0"	11'0"	11'0"	11'3"	11'3"	
17† Reach at Maximum Lift and	mm	1770	1770	1770	1770	1727	1727	
45° Discharge	ft/in	5'9"	5'9"	5'9"	5'9"	5'8"	5'8"	
Reach at Level Lift Arm and	mm	3439	3439	3438	3438	3344	3344	
Bucket Level	ft/in	11'3"	11'3"	11'3"	11'3"	10'11"	10'11"	
A† Digging Depth	mm	46	81	46	81	38	73	
	in	1.8"	3.2"	1.8"	3.2"	1.5"	2.8"	
12† Overall Length	mm	10 194	10 194	10 192	10 192	10 095	10 095	
	ft/in	33'6"	33'6"	33'6"	33'6"	33'2"	33'2"	
B [†] Overall Height with Bucket at	mm	6422	6422	6414	6414	6636	6636	
Maximum Lift	ft/in	21'1"	21'1"	21'1"	21'1"	21'10"	21'10"	
Loader Clearance Circle Radius	mm	8240	8240	8240	8240	8222	8222	
with Bucket at Carry Position	ft/in	27'1"	27'1"	27'1"	27'1"	27'0"	27'0"	
Static Tipping Load, Straight (ISO)*	kg	21 867	21 403	21 507	21 030	21 589	21 153	
	lb	48,196	47,172	47,402	46,351	47,582	46,621	
Static Tipping Load, Straight	kg	23 094	22 626	22 736	22 254	22 872	22 427	
(Rigid Tire)*	lb	50,899	49,867	50,110	49,049	50,410	49,429	
Static Tipping Load,	kg	19 302	18 844	18 953	18 485	18 984	18 552	
Articulated (ISO)*	lb	42,542	41,533	41,774	40,741	41,840	40,890	
Static Tipping Load, Articulated	kg	20 399	19 938	20 053	19 581	20 133	19 693	
(Rigid Tire)*	lb	44,959	43,944	44,198	43,158	44,374	43,404	
Breakout Force (§)	kN	233	216	232	215	252	232	
	lbf	52,526	48,615	52,323	48,423	56,658	52,202	
Operating Weight*	kg	30 862	31 164	31 158	31 460	31 399	31 701	
	lb	68,020	68,685	68,673	69,337	69,203	69,868	

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage				Aggregate H	andler Linkage		
Bucket Type		General Purpose – Pin On					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	5.40	5.40	5.00	5.70	5.70	5.30
	yd ³	7.00	7.00	6.50	7.50	7.50	7.00
Capacity – Rated at 110% Fill Factor	m ³	5.90	5.90	5.50	6.30	6.30	5.80
	yd ³	7.75	7.75	7.25	8.25	8.25	7.50
Width	mm	3447	3535	3535	3447	3535	3535
	ft/in	11'3"	11'7"	11'7"	11'3"	11'7"	11'7"
6† Dump Clearance at Maximum Lift	mm	3287	3121	3121	3219	3051	3051
and 45° Discharge	ft/in	10'9"	10'2"	10'2"	10'6"	10'0"	10'0"
7 [†] Reach at Maximum Lift and	mm	1481	1618	1618	1529	1664	1664
45° Discharge	ft/in	4'10"	5'3"	5'3"	5'0"	5'5"	5'5"
Reach at Level Lift Arm and	mm	2966	3177	3177	3050	3261	3261
Bucket Level	ft/in	9'8"	10'5"	10'5"	10'0"	10'8"	10'8"
A ⁺ Digging Depth	mm	88	88	53	88	88	53
	in	3.4"	3.4"	2.1"	3.4"	3.4"	2.1"
2 ⁺ Overall Length	mm	9677	9919	9919	9761	10 003	10 003
	ft/in	31'9"	32'7"	32'7"	32'1"	32'10"	32'10"
B ⁺ Overall Height with Bucket at	mm	6435	6435	6435	6258	6258	6258
Maximum Lift	ft/in	21'2"	21'2"	21'2"	20'7"	20'7"	20'7"
Loader Clearance Circle Radius	mm	7612	7725	7725	7635	7749	7749
with Bucket at Carry Position	ft/in	25'0"	25'5"	25'5"	25'1"	25'6"	25'6"
Static Tipping Load, Straight (ISO)*	kg	24 404	24 218	24 676	24 149	23 963	24 416
	lb	53,786	53,377	54,386	53,226	52,814	53,812
Static Tipping Load, Straight	kg	25 939	25 752	26 229	25 687	25 498	25 971
(Rigid Tire)*	lb	57,171	56,758	57,809	56,615	56,199	57,240
Static Tipping Load,	kg	21 012	20 826	21 254	20 776	20 589	21 013
Articulated (ISO)*	lb	46,312	45,902	46,845	45,792	45,380	46,313
Static Tipping Load, Articulated	kg	22 406	22 218	22 663	22 173	21 984	22 425
(Rigid Tire)*	lb	49,383	48,969	49,949	48,870	48,454	49,425
Breakout Force(§)	kN	227	224	242	214	211	227
	lbf	51,008	50,477	54,405	48,132	47,613	51,158
Operating Weight*	kg	30 985	31 123	30 948	31 068	31 206	31 031
	lb	68,290	68,595	68,208	68,473	68,778	68,391

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

** Aggregate Handler configuration is not compatible with rock buckets, and high lift.

† Illustration shown with Dimension charts.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage				Aggregate H	andler Linkage		
Bucket Type	General Purpose – Pin On						
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
Capacity – Rated	m ³	6.00	6.00	5.80	6.40	6.40	6.10
	yd ³	7.75	7.75	7.50	8.25	8.25	8.00
Capacity - Rated at 110% Fill Factor	m ³	6.60	6.60	6.40	7.00	7.00	6.70
	yd ³	8.75	8.75	8.25	9.25	9.25	8.75
Width	mm	3447	3535	3535	3447	3535	3535
	ft/in	11'3"	11'7"	11'7"	11'3"	11'7"	11'7"
6† Dump Clearance at Maximum Lift	mm	3201	3034	3034	3145	2977	2977
and 45° Discharge	ft/in	10'6"	9'11"	9'11"	10'3"	9'9"	9'9"
7† Reach at Maximum Lift and	mm	1551	1686	1686	1603	1737	1737
45° Discharge	ft/in	5'1"	5'6"	5'6"	5'3"	5'8"	5'8"
Reach at Level Lift Arm and	mm	3078	3289	3289	3155	3366	3366
Bucket Level	ft/in	10'1"	10'9"	10'9"	10'4"	11'0"	11'0"
A† Digging Depth	mm	88	88	53	88	88	53
	in	3.4"	3.4"	2.1"	3.4"	3.4"	2.1"
2† Overall Length	mm	9789	10 031	10 031	9866	10 108	10 108
	ft/in	32'2"	32'11"	32'11"	32'5"	33'2"	33'2"
B [†] Overall Height with Bucket at	mm	6284	6284	6284	6604	6604	6604
Maximum Lift	ft/in	20'8"	20'8"	20'8"	21'8"	21'8"	21'8"
Loader Clearance Circle Radius	mm	7643	7757	7757	7664	7779	7779
with Bucket at Carry Position	ft/in	25'1"	25'6"	25'6"	25'2"	25'7"	25'7"
Static Tipping Load, Straight (ISO)*	kg	24 006	23 819	24 268	23 828	23 639	24 121
	lb	52,910	52,498	53,487	52,517	52,102	53,163
Static Tipping Load, Straight	kg	25 547	25 357	25 826	25 377	25 186	25 688
(Rigid Tire)*	lb	56,305	55,888	56,920	55,932	55,512	56,618
Static Tipping Load,	kg	20 638	20 451	20 871	20 472	20 283	20 732
Articulated (ISO)*	lb	45,488	45,074	46,000	45,121	44,705	45,693
Static Tipping Load, Articulated	kg	22 038	21 849	22 286	21 882	21 691	22 157
(Rigid Tire)*	lb	48,572	48,155	49,118	48,228	47,807	48,834
Breakout Force(§)	kN	210	207	222	199	197	211
	lbf	47,182	46,666	50,092	44,880	44,374	47,515
Operating Weight*	kg	31 164	31 302	31 127	31 226	31 364	31 189
	lb	68,685	68,990	68,603	68,822	69,126	68,740

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

** Aggregate Handler configuration is not compatible with rock buckets, and high lift.

† Illustration shown with Dimension charts.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

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(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage	Aggregate Handler Linkage									
Bucket Type		Pin	0n – Flat F	oor	Pin On – Pin On – Flat Floor Flat Floor HD BGE BGE		Pin On – Flat Floor			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Flush Mounted Tips	Flush Mounted Tips	Bolt-On Cutting Edges (Steel)	Bolt-On Cutting Edges (Rubber)	Bolt-On Cutting Edges (Steel)	Bolt-On Cutting Edges (Rubber)
Capacity – Rated	m ³	5.70	5.70	5.50	5.60	5.70	9.90	9.90	10.70	10.70
	yd ³	7.50	7.50	7.25	7.25	7.50	13.00	13.00	14.00	14.00
Capacity - Rated at 110% Fill Factor	m ³	6.30	6.30	6.10	6.20	6.30	10.90	10.90	11.80	11.80
	yd ³	8.25	8.25	8.00	8.00	8.25	14.25	14.25	15.50	15.50
Width	mm	3447	3535	3535	3580	3580	3882	3882	3882	3882
	ft/in	11'3"	11'7"	11'7"	11'8"	11'8"	12'8"	12'8"	12'8"	12'8"
16† Dump Clearance at Maximum Lift	mm	3120	2943	2943	3216	2976	3067	2989	2834	2755
and 45° Discharge	ft/in	10'2"	9'7"	9'7"	10'6"	9'9"	10'0"	9'9"	9'3"	9'0"
17† Reach at Maximum Lift and	mm	1444	1566	1566	1389	1627	1460	1387	1693	1620
45° Discharge	ft/in	4'8"	5'1"	5'1"	4'6"	5'4"	4'9"	4'6"	5'6"	5'3"
Reach at Level Lift Arm and	mm	3075	3286	3286	2968	3306	3123	3127	3453	3457
Bucket Level	ft/in	10'1"	10'9"	10'9"	9'8"	10'10"	10'2"	10'3"	11'3"	11'4"
A [†] Digging Depth	mm	88	88	53	59	59	74	74	74	74
	in	3.4"	3.4"	2.1"	2.3"	2.3"	2.9"	2.9"	2.9"	2.9"
12† Overall Length	mm	9786	10 028	10 028	9656	9995	9854	9939	10 184	10 269
	ft/in	32'2"	32'11"	32'11"	31'9"	32'10"	32'4"	32'8"	33'5"	33'9"
B [†] Overall Height with Bucket at	mm	6257	6257	6257	6500	6493	7169	7169	6946	6946
Maximum Lift	ft/in	20'7"	20'7"	20'7"	21'4"	21'4"	23'7"	23'7"	22'10"	22'10"
Loader Clearance Circle Radius	mm	7642	7756	7756	7662	7757	7863	7904	7956	7995
with Bucket at Carry Position	ft/in	25'1"	25'6"	25'6"	25'2"	25'6"	25'10"	26'0"	26'2"	26'3"
Static Tipping Load, Straight (ISO)*	kg	23 621	23 437	23 870	22 951	22 995	24 706	24 839	22 458	22 587
	lb	52,061	51,655	52,609	50,585	50,681	54,453	54,745	49,498	49,782
Static Tipping Load, Straight	kg	25 111	24 925	25 376	24 443	24 486	26 646	26 783	24 108	24 240
(Rigid Tire)*	lb	55,346	54,936	55,928	53,874	53,968	58,729	59,030	53,134	53,425
Static Tipping Load,	kg	20 307	20 122	20 528	19 609	19 653	21 095	21 227	19 116	19 245
Articulated (ISO)*	lb	44,757	44,350	45,244	43,219	43,315	46,493	46,785	42,132	42,417
Static Tipping Load, Articulated	kg	21 661	21 475	21 896	20 962	21 005	22 869	23 006	20 625	20 758
(Rigid Tire)*	lb	47,741	47,330	48,259	46,202	46,296	50,405	50,705	45,459	45,750
Breakout Force(§)	kN	210	208	223	222	222	213	211	172	171
	lbf	47,288	46,772	50,212	50,021	50,063	47,906	47,479	38,805	38,491
Operating Weight*	kg	31 193	31 331	31 156	32 004	31 953	32 119	32 037	32 347	32 264
	lb	68,749	69,054	68,667	70,537	70,423	70,790	70,609	71,293	71,110

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

** Aggregate Handler configuration is not compatible with rock buckets, and high lift.

† Illustration shown with Dimension charts.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

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(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage		Aggregate Handler Linkage								
Bucket Type		Pin On – Coal	Pin On – Woodchip	Pin On	Pin On – Waste, Dozing					
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Rubber Edges	Bolt-On Cutting Edges				
Capacity – Rated	m ³	8.20	14.50	10.70	10.70	9.90				
	yd ³	10.75	19.00	14.00	14.00	13.00				
Capacity – Rated at 110% Fill Factor	m ³	9.00	16.00	11.80	11.80	10.90				
	yd ³	11.75	21.00	15.50	15.50	14.25				
Width	mm	3638	4434	3882	3882	3882				
	ft/in	11'11"	14'6"	12'8"	12'8"	12'8"				
16† Dump Clearance at Maximum Lift	mm	2931	2739	2834	2755	3067				
and 45° Discharge	ft/in	9'7"	8'11"	9'3"	9'0"	10'0"				
17† Reach at Maximum Lift and	mm	1625	1802	1693	1620	1460				
45° Discharge	ft/in	5'4"	5'10"	5'6"	5'3"	4'9"				
Reach at Level Lift Arm and	mm	3336	3597	3453	3457	3123				
Bucket Level	ft/in	10'11"	11'9"	11'3"	11'4"	10'2"				
A† Digging Depth	mm	93	104	74	74	114				
	in	3.6"	4.1"	2.9"	2.9"	4.5"				
12† Overall Length	mm	10 051	10 321	10 184	10 269	9854				
	ft/in	33'0"	33'11"	33'5"	33'9"	32'4"				
B [†] Overall Height with Bucket at	mm	6551	7047	6958	6958	7130				
Maximum Lift	ft/in	21'6"	23'2"	22'10"	22'10"	23'5"				
Loader Clearance Circle Radius	mm	7805	8243	7956	7995	7863				
with Bucket at Carry Position	ft/in	25'8"	27'1"	26'2"	26'3"	25'10"				
Static Tipping Load, Straight (ISO)*	kg	23 380	22 613	22 342	22 475	24 672				
	lb	51,530	49,840	49,243	49,536	54,378				
Static Tipping Load, Straight	kg	24 984	24 390	23 991	24 127	26 590				
(Rigid Tire)*	lb	55,065	53,756	52,876	53,176	58,604				
Static Tipping Load,	kg	20 023	19 168	19 000	19 133	21 072				
Articulated (ISO)*	lb	44,131	42,248	41,878	42,171	46,443				
Static Tipping Load, Articulated	kg	21 486	20 794	20 509	20 645	22 823				
(Rigid Tire)*	lb	47,356	45,831	45,202	45,502	50,302				
Breakout Force(§)	kN	177	151	172	170	204				
	lbf	39,906	33,932	38,687	38,377	45,993				
Operating Weight*	kg	31 572	32 833	32 458	32 374	32 223				
	lb	69,584	72,364	71,537	71,352	71,018				

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

** Aggregate Handler configuration is not compatible with rock buckets, and high lift.

† Illustration shown with Dimension charts.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

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(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Linkage		Aggregate Handler Linkage							
Bucket Type		Hook On – Fusion – General Purpose							
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips		
Capacity – Rated	m ³	5.40	5.40	5.00	5.70	5.70	5.30		
	yd ³	7.00	7.00	6.50	7.50	7.50	7.00		
Capacity – Rated at 110% Fill Factor	m ³	5.90	5.90	5.50	6.30	6.30	5.80		
	yd ³	7.75	7.75	7.25	8.25	8.25	7.50		
Width	mm	3447	3535	3535	3447	3535	3535		
	ft/in	11'3"	11'7"	11'7"	11'3"	11'7"	11'7"		
6 ⁺ Dump Clearance at Maximum Lift	mm	3183	3017	3017	3117	2950	2950		
and 45° Discharge	ft/in	10'5"	9'10"	9'10"	10'2"	9'8"	9'8"		
7† Reach at Maximum Lift and	mm	1588	1724	1724	1640	1775	1775		
45° Discharge	ft/in	5'2"	5'7"	5'7"	5'4"	5'9"	5'9"		
Reach at Level Lift Arm and	mm	3116	3327	3327	3200	3411	3411		
Bucket Level	ft/in	10'2"	10'11"	10'11"	10'6"	11'2"	11'2"		
A ⁺ Digging Depth	mm	93	93	58	93	93	58		
	in	3.6"	3.6"	2.3"	3.6"	3.6"	2.3"		
2 ⁺ Overall Length	mm	9831	10 072	10 072	9915	10 156	10 156		
	ft/in	32'4"	33'1"	33'1"	32'7"	33'4"	33'4"		
B ⁺ Overall Height with Bucket at	mm	6532	6532	6532	6599	6599	6599		
Maximum Lift	ft/in	21'6"	21'6"	21'6"	21'8"	21'8"	21'8"		
Loader Clearance Circle Radius	mm	7694	7817	7817	7721	7845	7845		
with Bucket at Carry Position	ft/in	25'3"	25'8"	25'8"	25'4"	25'9"	25'9"		
Static Tipping Load, Straight (ISO)*	kg	22 905	22 721	23169	22 672	22 487	22 917		
	lb	50,483	50,078	51,065	49,970	49,561	50,509		
Static Tipping Load, Straight	kg	24 393	24 207	24 678	24 170	23 983	24 431		
(Rigid Tire)*	lb	53,763	53,353	54,391	53,271	52,858	53,845		
Static Tipping Load,	kg	19 618	19 434	19 851	19 398	19 212	19 615		
Articulated (ISO)*	lb	43,239	42,833	43,753	42,753	42,344	43,232		
Static Tipping Load, Articulated	kg	20 971	20 785	21 223	20 762	20 574	20 993		
(Rigid Tire)*	lb	46,221	45,812	46,777	45,759	45,346	46,268		
Breakout Force(§)	kN	203	201	216	193	190	204		
	lbf	45,829	45,315	48,584	43,399	42,894	45,873		
Operating Weight*	kg	31 727	31 865	31 690	31 837	31 975	31 800		
	lb	69,926	70,231	69,844	70,168	70,473	70,086		

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

** Aggregate Handler configuration is not compatible with rock buckets, and high lift.

† Illustration shown with Dimension charts.

(\$)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

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Linkage		Aggregate Handler Linkage
Bucket Type		Hook On – Fusion – Woodchip
Edge Type		Bolt-On Cutting Edges
Capacity – Rated	m ³	14.50
	yd ³	19.00
Capacity – Rated at 110% Fill Factor	m ³	16.00
	yd ³	21.00
Width	mm	4433
	ft/in	14'6"
16 [†] Dump Clearance at Maximum Lift	mm	2668
and 45° Discharge	ft/in	8'9"
7 [†] Reach at Maximum Lift and	mm	1915
45° Discharge	ft/in	6'3"
Reach at Level Lift Arm and	mm	3727
Bucket Level	ft/in	12'2"
A† Digging Depth	mm	75
	in	2.9"
2 † Overall Length	mm	10 427
	ft/in	34'3"
B [†] Overall Height with Bucket at	mm	7172
Maximum Lift	ft/in	23'7"
Loader Clearance Circle Radius	mm	8395
with Bucket at Carry Position	ft/in	27'7"
Static Tipping Load, Straight (ISO)*	kg	20 387
	lb	44,935
Static Tipping Load, Straight	kg	21 928
(Rigid Tire)*	lb	48,331
Static Tipping Load,	kg	17 202
Articulated (ISO)*	lb	37,913
Static Tipping Load, Articulated	kg	18 613
(Rigid Tire)*	lb	41,024
Breakout Force (§)	kN	141
	lbf	31,880
Operating Weight*	kg	33 214
	lb	73,202

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

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(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Standard and Optional Equipment

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

	Standard	Optional
OPERATOR ENVIRONMENT		
Cab, pressurized, sound suppression	\checkmark	
Door, remote opening system	\checkmark	
EH implement controls, parking brake	\checkmark	
HMU steering wheel		\checkmark
Steering, joystick	\checkmark	
Monitored seat belt	\checkmark	
4-point seat belt		\checkmark
Entertainment radio (FM, AM, USB, Bluetooth [®])		\checkmark
Entertainment radio (DAB+)		\checkmark
CB radio ready		\checkmark
Seat, cloth, air suspension	\checkmark	
Seat, suede/cloth, air suspension, heated		\checkmark
Seat, leather/cloth, air suspension, heated/cooled		\checkmark
Touchscreen display	\checkmark	
Visibility: mirrors, rear-vision camera	\checkmark	
360° vision system		\checkmark
Cat Detect rear radar system		\checkmark
Dedicated rearview screen		\checkmark
Mirrors, heated		\checkmark
Air conditioner, heater, defroster (auto temp, fan)	√	
Sun visor, front, retractable	√	
Sun visor, rear, retractable	\checkmark	
Window cleaning platform, front	\checkmark	
Windows, front, safety laminated rounded glass	√	
Windows, front, heavy-duty, or full guards		~
ON-BOARD TECHNOLOGIES*		
Cat Payload Scale	\checkmark	
Autodig with Auto Set Tires	\checkmark	
Operator ID & machine security	\checkmark	
Application Profiles	\checkmark	
Job Aids	\checkmark	
Controls Help and eOMM	\checkmark	
Cat Advanced Payload		√
Cat Payload Printer		\checkmark

	Standard	Optional
HYDRAULICS	otanaara	optional
Implement system, load sensing with	√	
variable displacement piston pump		
Steering system, load sensing with	\checkmark	
dedicated variable displacement piston		
pump Diller to be be be been been been been been been		
Ride control, dual accumulators	✓	
3 rd auxiliary function with ride control		✓
Oil sampling valves, Cat XT [™] hoses	\checkmark	
Quick coupler control		\checkmark
POWERTRAIN		
Cat C13 engine	\checkmark	
Electric fuel priming pump	\checkmark	
Fuel-water separator and secondary fuel filter	\checkmark	
Engine, air precleaner	\checkmark	
Turbine, air precleaner		\checkmark
Radiator, high debris		\checkmark
Cooling fan, reversible		\checkmark
Axles, open differentials	\checkmark	
Axles, limited slip differential(s)		\checkmark
Axles, ecology drains, AOC ready,		\checkmark
extreme temperature seals		
Axles, oil cooler		\checkmark
Transmission, planetary, automatic power shift	\checkmark	
Torque converter with lock-up	\checkmark	
Heavy-duty transmission		\checkmark
Service brakes, hydraulic, fully enclosed wet disc, wear indicators	\checkmark	
Integrated Braking System (IBS)	\checkmark	
Park brake, caliper on front axles, spring applied-pressure released	\checkmark	
ELECTRICAL		
Starting and charging system, 24V	✓	
Starter, electric, heavy-duty	\checkmark	
Cold start, 120V or 240V		\checkmark
Lights: halogen, 4 work lights, 2 front roading lights with turn signals, 2 rear- vision lights	√	
Lights: LED		\checkmark
Seat belt monitoring beacon		\checkmark
Warning beacon		√
Reversing strobe lights		\checkmark

(continued on next page)

*Not legal for trade.

Standard and Optional Equipment (continued)

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

	Standard	Optional
MONITORING SYSTEM		
Front dash with analog gauges, LCD display, and warning lights	\checkmark	
Primary touchscreen monitor (Cat Payload, quad screens, machine settings & messages)	~	
LINKAGE		
Standard lift, Z-bar	\checkmark	
High lift, Z-bar		\checkmark
Kickouts: lift and tilt	\checkmark	
ADDITIONAL EQUIPMENT		
Cat Autolube system		\checkmark
Fenders, extensions or roading		\checkmark
Guards: powertrain, crankcase, cab, cylinders, rear		\checkmark
Biodegradable hydraulic oil		\checkmark
High-speed oil change system		\checkmark
Rear cab access		\checkmark
Fast fill fuel tank		\checkmark
Toolbox		\checkmark
Wheel chocks		\checkmark
Secondary steering system, electrical		\checkmark

	Standard	Optional
SPECIAL CONFIGURATIONS		
Aggregate handler		\checkmark
Waste and scrap		√
Forestry		\checkmark
Steel mill		\checkmark
Block handler		\checkmark



980 *Waste & Scrap Handler*

Waste and scrap handler models feature guarding and reinforcement necessary for work in transfer stations, recycling depots, scrap yards, and demolition sites.

Proven Reliability

- Cat C13 engine offers increased power density with a combination of proven electronic 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 extreme applications.
- Automatic planetary powershift (4F/4R) transmission features durable, long-lasting components.

Superior Fuel Efficiency & Productivity

- Optional high lift linkage provides additional dump clearance.
- Optional 3rd valve hydraulics for work tools with a top clamp.
- Optional variable pitch fan and high debris cooling cores keep the cores free from debris.
- Powershift transmission with lock-up clutch increases fuel efficiency while delivering optimal performance.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Optional limited slip differentials increase traction and reduce tire slip, lowering operating costs.
- Deeply integrated engine, power train, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Optional window guards provide added operator protection.
- Rear-vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear-vision camera provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

- Extended fluid and filter change intervals reduce maintenance costs by up to 20%.
- 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.

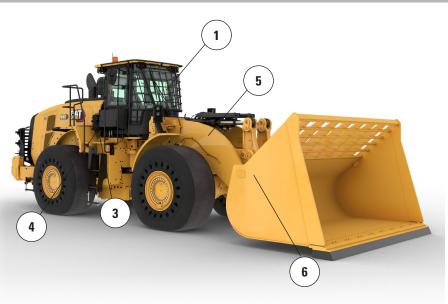
Work in Comfort in the All New Cab

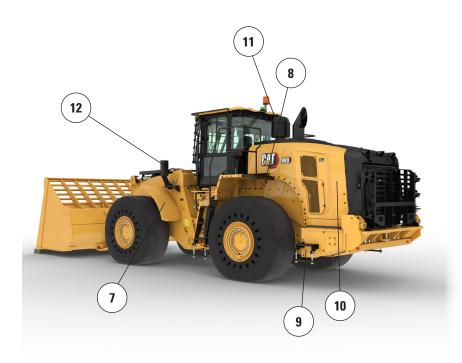
- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurize the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab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

980 Waste & Scrap Handler Specifications

980 Waste & Scrap Handler Specifications

- 1. Optional window guards provide added protection
- 2. Added steel guards include crankcase, power train, 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 3rd valve hydraulics available to control a work tool with a top clamp.
- 6. Large line of waste and scrap work tools





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

980 Waste & Scrap Handler Specifications

Tire Options

Tire Brand	Brawler	Michelin	Michelin	Michelin	
Tire Size	29.5-25	29.5-25	29.5-25	29.5-25	
Tread Type	Solid	L–4	L5	L–5	
Tread Pattern	Traction/Smooth	XLDD1	XLDD2	XMINED2	
Width over Tires – Maximum (empty)*	3216 mm 10'7"	3258 mm 10'9"	3256 mm 10'9"	3275 mm 10'9"	
Width over Tires – Maximum (loaded)*	3230 mm 10'8"	3302 mm 10'10"	3296 mm 10'10"	3294 mm 10'10"	
Change in Vertical Dimensions (average of front and rear)		-16 mm -0.6"	-15 mm -0.6"	-4 mm -0.2"	
Change in Horizontal Reach		-31 mm -1.2"	-28 mm -1.1"	-28 mm -1.1"	
Change in Clearance Circle to Outside of Tires		72 mm 2.8"	67 mm 2.6"	64 mm 2.5"	
Change in Clearance Circle to Inside of Tires		-72 mm -2.8"	-67 mm -2.6"	-64 mm -2.5"	
Change in Operating Weight (without Ballast)		-5928 kg -13,071 lb	-5564 kg -12,269 lb	-5240 kg -11,554 lb	
Change in Static Tipping Load – Straight		-4508 kg -9,941 lb	-4231 kg -9,330 lb	-3985 kg -8,787 lb	
Change in Static Tipping Load – Articulated		-3924 kg -8,653 lb	-3683 kg -8,122 lb	-3469 kg -7,649 lb	
Rear Axle Oscillation Angle	±8 degrees	±13 degrees	±13 degrees	±13 degrees	
Maximum Single-wheel Rise and Fall	340 mm 1'1"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	
*Width over tire bulge and includes tire growth.					

Width over tire bulge and includes tire growth.

Tire Brand	Bridgestone	Bridgestone	Bridgestone	Bridgestone	
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	
Tread Type	L–3	L4	L5	L–5	
Tread Pattern	VJT	VSNT	VSDT	VSDL	
Width over Tires – Maximum (empty)*	3263 mm	3240 mm	3272 mm	3250 mm	
	10'9"	10'8"	10'9"	10'8"	
Width over Tires – Maximum (loaded)*	3289 mm	3260 mm	3301 mm	3275 mm	
	10'10"	10'9"	10'10"	10'9"	
Change in Vertical Dimensions	-32 mm	9 mm	-5 mm	11 mm	
(average of front and rear)	-1.3"	0.4"	-0.2"	0.4"	
Change in Horizontal Reach	-10 mm	-30 mm	-30 mm	-40 mm	
	-0.4"	-1.2"	-1.2"	-1.6"	
Change in Clearance Circle to Outside of Tires	59 mm	30 mm	72 mm	45 mm	
	2.3"	1.2"	2.8"	1.8"	
Change in Clearance Circle to Inside of Tires	-59 mm	-30 mm	-72 mm	-45 mm	
	-2.3"	-1.2"	-2.8"	-1.8"	
Change in Operating Weight (without Ballast)	-6456 kg	-5772 kg	-5272 kg	-5064 kg	
	-14,235 lb	-12,727 lb	-11,625 lb	-11,166 lb	
Change in Static Tipping Load – Straight	-4910 kg	-4390 kg	-4009 kg	-3851 kg	
	-10,826 lb	-9,679 lb	-8,841 lb	-8,492 lb	
Change in Static Tipping Load – Articulated	-4274 kg	-3821 kg	-3490 kg	-3352 kg	
	-9,424 lb	-8,425 lb	-7,696 lb	-7,392 lb	
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	
Maximum Single-wheel Rise and Fall	549 mm	549 mm	549 mm	549 mm	
	1'10"	1'10"	1'10"	1'10"	

*Width over tire bulge and includes tire growth.

Tire Options

Tire Brand	Maxam	Maxam	Maxam	Michelin
Tire Size	29.5-25	29.5-25	29.5-25	29.5-25
Tread Type	L–3	L4	L5	L–3
Tread Pattern	MS302	MS405DX	MS503	XHA2
Width over Tires – Maximum (empty)*	3270 mm	3256 mm	3268 mm	3270 mm
	10'9"	10'9"	10'9"	10'9"
Width over Tires – Maximum (loaded)*	3290 mm	3282 mm	3304 mm	3296 mm
	10'10"	10'10"	10'11"	10'10"
Change in Vertical Dimensions	-28 mm	-42 mm	-15 mm	-49 mm
(average of front and rear)	-1.1"	-1.7"	-0.6"	-1.9"
Change in Horizontal Reach	-25 mm	-12 mm	-33 mm	-8 mm
	-1"	-0.5"	-1.3"	-0.3"
Change in Clearance Circle to Outside of Tires	60 mm	52 mm	75 mm	66 mm
	2.4"	2.1"	2.9"	2.6"
Change in Clearance Circle to Inside of Tires	-60 mm	-52 mm	-75 mm	-66 mm
	-2.4"	-2.1"	-2.9"	-2.6"
Change in Operating Weight (without Ballast)	-6300 kg	-6160 kg	-5520 kg	-6472 kg
	-13,892 lb	-13,583 lb	-12,172 lb	-14,271 lb
Change in Static Tipping Load – Straight	-4791 kg	-4685 kg	-4198 kg	-4922 kg
	-10,564 lb	-10,330 lb	-9,257 lb	-10,853 lb
Change in Static Tipping Load – Articulated	-4171 kg	-4078 kg	-3654 kg	-4284 kg
	-9,196 lb	-8,992 lb	-8,058 lb	-9,447 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm	549 mm	549 mm	549 mm
	1'10"	1'10"	1'10"	1'10"
*Width over tire bulge and includes tire growth.				

Width over tire bulge and includes tire growth.

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L–3	L–3	L4	L4
Tread Pattern	XHA2	VTS	VLTS	MS405DX
Width over Tires – Maximum (empty)*	3373 mm	3341 mm	3344 mm	3357 mm
	11'1"	11'0"	11'0"	11'1"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm
	11'2"	11'1"	11'1"	11'2"
Change in Vertical Dimensions	-34 mm	-28 mm	-26 mm	-43 mm
(average of front and rear)	-1.4"	-1.1"	-1"	-1.7"
Change in Horizontal Reach	-13 mm	-10 mm	-12 mm	-12 mm
	-0.5"	-0.4"	-0.5"	152 mm
Change in Clearance Circle to Outside of Tires	155 mm	129 mm	136 mm	6"
	6.1"	5.1"	5.4"	-152 mm
Change in Clearance Circle to Inside of Tires	-155 mm	-129 mm	-136 mm	-6"
	-6.1"	-5.1"	-5.4"	-5464 kg
Change in Operating Weight (without Ballast)	-5812 kg	-5532 kg	-5456 kg	-12,048 lb
	-12,815 lb	-12,198 lb	-12,030 lb	-4155 kg
Change in Static Tipping Load – Straight	-4420 kg	-4207 kg	-4149 kg	-9,163 lb
	-9,746 lb	-9,277 lb	-9,149 lb	-3617 kg
Change in Static Tipping Load – Articulated	-3848 kg	-3662 kg	-3612 kg	-7,976 lb
	-8,484 lb	-8,075 lb	-7,964 lb	8,425 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"

*Width over tire bulge and includes tire growth.

Linkage		Standard Linkage			
Bucket Type		General Purpose – Pin-On	General Purpose – Hook-On – Fusior		
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	m ³	5.40	5.40		
	yd ³	7.00	7.00		
Capacity - Rated at 110% Fill Factor	m ³	5.90	5.90		
	yd ³	7.75	7.75		
Width	mm	3447	3447		
	ft/in	11'3"	11'3"		
16† Dump Clearance at Maximum Lift	mm	3292	3187		
and 45° Discharge	ft/in	10'9"	10'5"		
17† Reach at Maximum Lift and	mm	1510	1618		
45° Discharge	ft/in	4'11"	5'3"		
Reach at Level Lift Arm and	mm	2994	3146		
Bucket Level	ft/in	9'9"	10'3"		
A [†] Digging Depth	mm	84	89		
	in	3.3"	3.5"		
12† Overall Length	mm	9613	9769		
	ft/in	31'7"	32'1"		
B [†] Overall Height with Bucket at	mm	6432	6536		
Maximum Lift	ft/in	21'2"	21'6"		
Loader Clearance Circle Radius	mm	7614	7697		
with Bucket at Carry Position	ft/in	25'0"	25'4"		
Static Tipping Load, Straight	kg	N/A	N/A		
(With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Straight	kg	29 260	27 802		
(No tire deflection)	lb	64,490	61,276		
Static Tipping Load,	kg	N/A	N/A		
Articulated (With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Articulated	kg	25 415	24 063		
(No tire deflection)	lb	56,015	53,036		
Breakout Force(§)	kN	226	204		
	lbf	50,946	45,849		
Operating Weight*	kg	36 885	37 567		
	lb	81,294	82,796		

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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

Linkage		Standard Linkage			
Bucket Type		General Purpose – Hook-On – Fusion	General Purpose – Pin-On Bolt-On Cutting Edges		
Edge Type		Bolt-On Cutting Edges			
Capacity – Rated	m ³	5.70	5.70		
	yd ³	7.50	7.50		
Capacity - Rated at 110% Fill Factor	m ³	6.30	6.30		
	yd ³	8.25	8.25		
Width	mm	3481	3481		
	ft/in	11'5"	11'5"		
16 [†] Dump Clearance at Maximum Lift	mm	3123	3233		
and 45° Discharge	ft/in	10'2"	10'7"		
17 [†] Reach at Maximum Lift and	mm	1668	1567		
45° Discharge	ft/in	5'5"	5'1"		
Reach at Level Lift Arm and	mm	3228	3079		
Bucket Level	ft/in	10'7"	10'1"		
A† Digging Depth	mm	89	72		
	in	3.5"	2.8"		
2 ⁺ Overall Length	mm	9851	9689		
	ft/in	32'4"	31'10"		
B [†] Overall Height with Bucket at	mm	6604	6505		
Maximum Lift	ft/in	21'8"	21'5"		
Loader Clearance Circle Radius	mm	7739	7648		
with Bucket at Carry Position	ft/in	25'5"	25'2"		
Static Tipping Load, Straight	kg	N/A	N/A		
(With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Straight	kg	27 540	28 232		
(No tire deflection)	lb	60,698	62,225		
Static Tipping Load,	kg	N/A	N/A		
Articulated (With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Articulated	kg	23 817	24 387		
(No tire deflection)	lb	52,494	53,749		
Breakout Force (§)	kN	193	210		
	lbf	43,442	47,341		
Operating Weight*	kg	37 689	37 820		
	lb	83,067	83,354		

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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

Linkage		Standard Linkage		
Bucket Type		General Purpose – Pin-On		
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	m ³	6.00	6.40	
	yd ³	7.75	8.25	
Capacity – Rated at 110% Fill Factor	m ³	6.60	7.00	
	yd ³	8.75	9.25	
Width	mm	3481	3413	
	ft/in	11'5"	11'2"	
16 [†] Dump Clearance at Maximum Lift	mm	3205	3150	
and 45° Discharge	ft/in	10'6"	10'4"	
17† Reach at Maximum Lift and	mm	1580	1633	
45° Discharge	ft/in	5'2"	5'4"	
Reach at Level Lift Arm and	mm	3107	3185	
Bucket Level	ft/in	10'2"	10'5"	
A† Digging Depth	mm	84	84	
	in	3.3"	3.3"	
12† Overall Length	mm	9726	9804	
	ft/in	31'11"	32'2"	
B [†] Overall Height with Bucket at	mm	6528	6608	
Maximum Lift	ft/in	21'5"	21'9"	
Loader Clearance Circle Radius	mm	7660	7651	
with Bucket at Carry Position	ft/in	25'2"	25'2"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	28 965	28 752	
(No tire deflection)	lb	63,840	63,370	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	25 132	24 933	
(No tire deflection)	lb	55,392	54,954	
Breakout Force (§)	kN	209	199	
	lbf	47,095	44,724	
Operating Weight*	kg	37 060	37 145	
	lb	81,679	81,867	

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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

Linkage		Standard I	Linkage
Bucket Type		Waste, Dozing – Pin-On	Waste – Pin-On
Edge Type		Bolt-On Cutting Edges	Rubber Edge
Capacity – Rated	m ³	9.90	10.70
	yd ³	13.00	14.00
Capacity – Rated at 110% Fill Factor	m ³	10.90	11.80
	yd ³	14.25	15.50
Width	mm	3882	3882
	ft/in	12'8"	12'8"
16 † Dump Clearance at Maximum Lift	mm	3072	2760
and 45° Discharge	ft/in	10'0"	9'0"
7† Reach at Maximum Lift and	mm	1490	1650
45° Discharge	ft/in	4'10"	5'4"
Reach at Level Lift Arm and	mm	3153	3487
Bucket Level	ft/in	10'4"	11'5"
A [†] Digging Depth	mm	110	70
	in	4.3"	2.7"
2† Overall Length	mm	9793	10 207
	ft/in	32'2"	33'6"
B ⁺ Overall Height with Bucket at	mm	7135	6962
Maximum Lift	ft/in	23'5"	22'11"
Loader Clearance Circle Radius	mm	7865	7996
with Bucket at Carry Position	ft/in	25'10"	26'3"
Static Tipping Load, Straight	kg	N/A	N/A
(With tire deflection)	lb	N/A	N/A
Static Tipping Load, Straight	kg	30 342	27 596
(No tire deflection)	lb	66,875	60,822
Static Tipping Load,	kg	N/A	N/A
Articulated (With tire deflection)	lb	N/A	N/A
Static Tipping Load, Articulated	kg	26 227	23 791
(No tire deflection)	lb	57,804	52,437
Breakout Force (§)	kN	204	170
	lbf	46,014	38,403
Operating Weight*	kg	38 062	38 214
	lb	83,889	84,223

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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

Linkage		Standard	d Linkage
Bucket Type		Woodchi	p – Pin-On
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m ³	11.50	14.50
	yd ³	15.00	19.00
Capacity – Rated at 110% Fill Factor	m ³	12.70	16.00
	yd ³	16.50	21.00
Width	mm	4166	4434
	ft/in	13'8"	14'6"
16† Dump Clearance at Maximum Lift	mm	2947	2743
and 45° Discharge	ft/in	9'8"	9'0"
17† Reach at Maximum Lift and	mm	1621	1832
45° Discharge	ft/in	5'3"	6'0"
Reach at Level Lift Arm and	mm	3334	3627
Bucket Level	ft/in	10'11"	11'10"
A† Digging Depth	mm	70	100
	in	2.7"	3.9"
12† Overall Length	mm	9970	10 259
	ft/in	32'9"	33'8"
B [†] Overall Height with Bucket at	mm	6826	7051
Maximum Lift	ft/in	22'5"	23'2"
Loader Clearance Circle Radius	mm	8042	8243
with Bucket at Carry Position	ft/in	26'5"	27'1"
Static Tipping Load, Straight	kg	N/A	N/A
(With tire deflection)	lb	N/A	N/A
Static Tipping Load, Straight	kg	29 168	27 972
(No tire deflection)	lb	64,286	61,650
Static Tipping Load,	kg	N/A	N/A
Articulated (With tire deflection)	lb	N/A	N/A
Static Tipping Load, Articulated	kg	25 202	24 043
(No tire deflection)	lb	55,546	52,992
Breakout Force (§)	kN	187	151
	lbf	42,236	33,948
Operating Weight*	kg	37 851	38 673
	lb	83,423	85,234

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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

Linkage		High Lift Linkage		
Bucket Type		General Purpose – Pin-On	General Purpose – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	m ³	5.40	5.40	
	yd ³	7.00	7.00	
Capacity – Rated at 110% Fill Factor	m ³	5.90	5.90	
	yd ³	7.75	7.75	
Width	mm	3447	3447	
	ft/in	11'3"	11'3"	
16 [†] Dump Clearance at Maximum Lift	mm	3513	3408	
and 45° Discharge	ft/in	11'6"	11'2"	
17† Reach at Maximum Lift and	mm	1513	1621	
45° Discharge	ft/in	4'11"	5'3"	
Reach at Level Lift Arm and	mm	3154	3306	
Bucket Level	ft/in	10'4"	10'10"	
A ⁺ Digging Depth	mm	82	87	
	in	3.2"	3.4"	
12† Overall Length	mm	9815	9971	
	ft/in	32'3"	32'9"	
B [†] Overall Height with Bucket at	mm	6653	6757	
Maximum Lift	ft/in	21'10"	22'2"	
Loader Clearance Circle Radius	mm	8115	8202	
with Bucket at Carry Position	ft/in	26'8"	26'11"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	26 713	25 350	
(No tire deflection)	lb	58,877	55,872	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	23 636	22 355	
(No tire deflection)	lb	52,093	49,271	
Breakout Force(§)	kN	230	207	
	lbf	51,711	46,549	
Operating Weight*	kg	37 019	37 700	
	lb	81,589	83,091	

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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

Linkage		High Lift Linkage		
Bucket Type		General Purpose – Hook-On – Fusion	General Purpose – Pin-On	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	m ³	5.70	5.70	
	yd ³	7.50	7.50	
Capacity – Rated at 110% Fill Factor	m ³	6.30	6.30	
	yd ³	8.25	8.25	
Width	mm	3481	3481	
	ft/in	11'5"	11'5"	
6 [†] Dump Clearance at Maximum Lift	mm	3343	3454	
and 45° Discharge	ft/in	10'11"	11'3"	
7 [†] Reach at Maximum Lift and	mm	1671	1570	
45° Discharge	ft/in	5'5"	5'1"	
Reach at Level Lift Arm and	mm	3388	3239	
Bucket Level	ft/in	11'1"	10'7"	
A† Digging Depth	mm	87	70	
	in	3.4"	2.7"	
2 ⁺ Overall Length	mm	10 053	9891	
	ft/in	33'0"	32'6"	
B [†] Overall Height with Bucket at	mm	6824	6725	
Maximum Lift	ft/in	22'5"	22'1"	
Loader Clearance Circle Radius	mm	8243	8149	
with Bucket at Carry Position	ft/in	27'1"	26'9"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	25 097	25 683	
(No tire deflection)	lb	55,315	56,606	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	22 115	22 606	
(No tire deflection)	lb	48,742	49,825	
Breakout Force (§)	kN	196	213	
	lbf	44,110	48,058	
Operating Weight*	kg	37 823	37 953	
	lb	83,361	83,648	

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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

Linkage		High Lif	t Linkage
Bucket Type		General Pur	pose – Pin-On
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m ³	6.00	6.40
	yd ³	7.75	8.25
Capacity - Rated at 110% Fill Factor	m ³	6.60	7.00
	yd ³	8.75	9.25
Width	mm	3481	3413
	ft/in	11'5"	11'2"
16† Dump Clearance at Maximum Lift	mm	3426	3370
and 45° Discharge	ft/in	11'2"	11'0"
17† Reach at Maximum Lift and	mm	1583	1636
45° Discharge	ft/in	5'2"	5'4"
Reach at Level Lift Arm and	mm	3267	3345
Bucket Level	ft/in	10'8"	10'11"
A [†] Digging Depth	mm	82	82
	in	3.2"	3.2"
12† Overall Length	mm	9928	10 006
	ft/in	32'7"	32'10"
B [†] Overall Height with Bucket at	mm	6749	6829
Maximum Lift	ft/in	22'2"	22'5"
Loader Clearance Circle Radius	mm	8161	8152
with Bucket at Carry Position	ft/in	26'10"	26'9"
Static Tipping Load, Straight	kg	N/A	N/A
(With tire deflection)	lb	N/A	N/A
Static Tipping Load, Straight	kg	26 420	26 213
(No tire deflection)	lb	58,231	57,775
Static Tipping Load,	kg	N/A	N/A
Articulated (With tire deflection)	lb	N/A	N/A
Static Tipping Load, Articulated	kg	23 353	23 158
(No tire deflection)	lb	51,471	51,041
Breakout Force(§)	kN	212	202
	lbf	47,808	45,405
Operating Weight*	kg	37 193	37 278
	lb	81,974	82,161

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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

Linkage		High Lift L	inkage
Bucket Type		Waste, Dozing – Pin-On	Waste – Pin-On
Edge Type		Bolt-On Cutting Edges	Rubber Edge
Capacity – Rated	m ³	9.90	10.70
	yd ³	13.00	14.00
Capacity - Rated at 110% Fill Factor	m ³	10.90	11.80
	yd ³	14.25	15.50
Width	mm	3882	3882
	ft/in	12'8"	12'8"
6† Dump Clearance at Maximum Lift	mm	3292	2980
and 45° Discharge	ft/in	10'9"	9'9"
7† Reach at Maximum Lift and	mm	1493	1653
45° Discharge	ft/in	4'10"	5'5"
Reach at Level Lift Arm and	mm	3313	3647
Bucket Level	ft/in	10'10"	11'11"
A† Digging Depth	mm	108	68
	in	4.2"	2.6"
2 † Overall Length	mm	9993	10 402
	ft/in	32'10"	34'2"
B ⁺ Overall Height with Bucket at	mm	7355	7183
Maximum Lift	ft/in	24'2"	23'7"
Loader Clearance Circle Radius	mm	8366	8494
with Bucket at Carry Position	ft/in	27'6"	27'11"
Static Tipping Load, Straight	kg	N/A	N/A
(With tire deflection)	lb	N/A	N/A
Static Tipping Load, Straight	kg	27 373	25 011
(No tire deflection)	lb	60,331	55,124
Static Tipping Load,	kg	N/A	N/A
Articulated (With tire deflection)	lb	N/A	N/A
Static Tipping Load, Articulated	kg	24 107	21 973
(No tire deflection)	lb	53,132	48,430
Breakout Force (§)	kN	207	174
	lbf	46,725	39,103
Operating Weight*	kg	38 196	38 347
	lb	84,183	84,517

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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

Linkage		High Lif	t Linkage
Bucket Type		Woodchi	p – Pin-On
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m ³	11.50	14.50
	yd ³	15.00	19.00
Capacity – Rated at 110% Fill Factor	m ³	12.70	16.00
	yd ³	16.50	21.00
Width	mm	4166	4434
	ft/in	13'8"	14'6"
16† Dump Clearance at Maximum Lift	mm	3168	2964
and 45° Discharge	ft/in	10'4"	9'8"
17† Reach at Maximum Lift and	mm	1624	1835
45° Discharge	ft/in	5'3"	6'0"
Reach at Level Lift Arm and	mm	3494	3787
Bucket Level	ft/in	11'5"	12'5"
A† Digging Depth	mm	68	98
	in	2.6"	3.8"
12† Overall Length	mm	10 171	10 460
	ft/in	33'5"	34'4"
B [†] Overall Height with Bucket at	mm	7047	7272
Maximum Lift	ft/in	23'2"	23'11"
Loader Clearance Circle Radius	mm	8542	8742
with Bucket at Carry Position	ft/in	28'1"	28'9"
Static Tipping Load, Straight	kg	N/A	N/A
(With tire deflection)	lb	N/A	N/A
Static Tipping Load, Straight	kg	26 403	25 232
(No tire deflection)	lb	58,192	55,612
Static Tipping Load,	kg	N/A	N/A
Articulated (With tire deflection)	lb	N/A	N/A
Static Tipping Load, Articulated	kg	23 245	22 105
(No tire deflection)	lb	51,232	48,721
Breakout Force(§)	kN	190	153
	lbf	42,911	34,500
Operating Weight*	kg	37 985	38 806
	lb	83,717	85,529

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan. † Illustration shown with Dimension charts.

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

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

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980 Waste & Scrap Handler Specifications

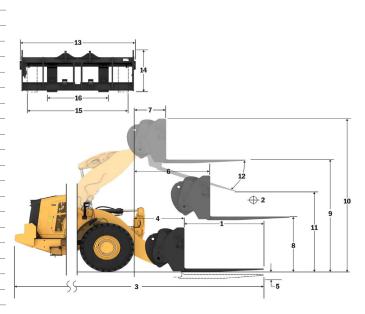
Fork Specifications

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in kg	48.0 16418
	Static Tipping Load - Straight (Forks Level)	lbs	36184
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	14249 31405
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6761 14902
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	6761 14902
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	6761 14902
3	Maximum Overall Length	mm in	11113 437.5
4	Reach with Forks at Ground Level	mm in	1345 53.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-138
	Ŭ	in mm	-5.5 1870
6	Reach with Arms Horizontal and Forks Level	in	73.6
7	Reach with Fork at Maximum Height	mm in	943 37.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2174 85.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4442 174.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5814 228.9
11	Clearance at Full Lift and Max Dump	mm in	1871 73.7
12	Max Discharge Angle from Horizontal	deg	58
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm	1575
	0 0	in mm	62.0 2671
15	Outside Tine Width (max spread)	in	105.1
16	Outside Tine Width (min spread)	mm	849
		in m	33.4 88.9
	Tine Width (single tine)	in	3.5
	Tine Thickness	mm in	203.2 8.0
	Tine Capacity	kg	11068
	ппе Сараску	lbs	24393
	Operating Weight	kg Ibs	36462 80363

980 IW STD Pallet Fork, Pin-On

96" Tine 473-9104



*Negative values indicate below grade

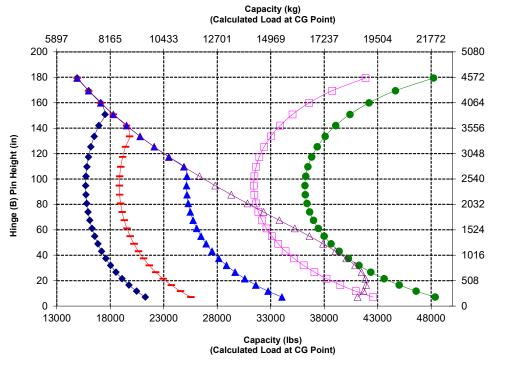
-Payload (SAE J1197) load (CEN EN 474-3 - Rough Terrain Static Tipping Load - Articulate oing Load - Straigh -A-Hydraulic Tilt Capa

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

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

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

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

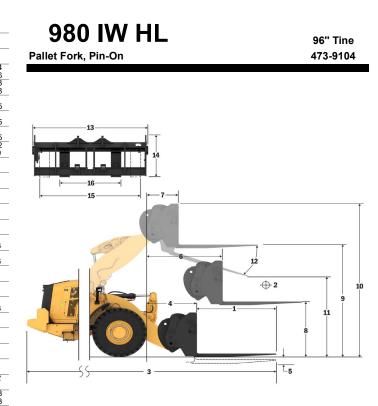


Hinge (B) Pin Height (mm)



Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_	Otatio Tioning Land, Otasisht (Eader Land)	in kg	48.0
	Static Tipping Load - Straight (Forks Level)	lbs	34326
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	13783 30378
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6586 14515
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	6586 14515
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	6586 14515
3	Maximum Overall Length	mm in	11302 444.9
4	Reach with Forks at Ground Level	mm in	1534 60.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-137 -5.4
6	Reach with Arms Horizontal and Forks Level	mm	2030
		in	79.9 946
7	Reach with Fork at Maximum Height	mm in	37.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2174 85.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4663 183.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	6035 237.6
11	Clearance at Full Lift and Max Dump	mm in	2334 91.9
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm	1575
	0 0	in mm	62.0 2671
15	Outside Tine Width (max spread)	in	105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm	203.2 8.0
	Tine Capacity	kg	11068
		lbs	24393
	Operating Weight	kg Ibs	36596 80657



*Negative values indicate below grade

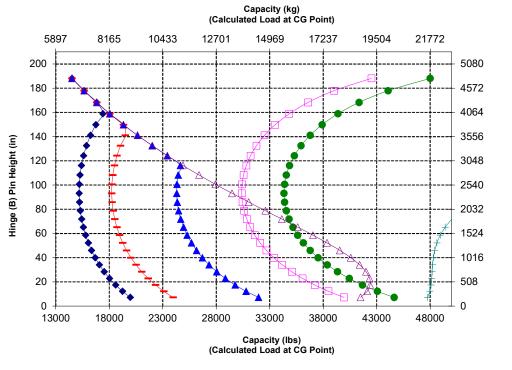
----Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid 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 on rydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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Hinge (B) Pin Height (mm)



980 Waste & Scrap Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Static Tipping Load - Straight (Forks Level)	in ka	36.0 18021
	Staud Tipping Load - Straight (Forks Level)	lbs	39719
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	15675 34548
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7838 17274
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8530 18799
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	8530 18799
3	Maximum Overall Length	mm in	10507 413.7
4	Reach with Forks at Ground Level	mm in	1349 53.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-145 -5.7
6	Reach with Arms Horizontal and Forks Level	mm	1870 73.6
7	Reach with Fork at Maximum Height	mm	943
	•	in mm	37.1 2167
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	85.3
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4436 174.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5814 228.9
11	Clearance at Full Lift and Max Dump	mm	2386 93.9
12	Max Discharge Angle from Horizontal	deg	58
13	Overall Carriage Width	mm	2751
	•	in m	<u>108.3</u> 1581
14	Overall Carriage Height	in	62.3
15	Outside Tine Width (max spread)	mm in	2671 105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm	88.9
	(3)	in m	3.5 203.2
	Tine Thickness	in	8.0
	Tine Capacity	kg Ibs	14742 32491
	Operating Weight	kg	36230 79852
	*Negative values indicate below grade	103	13032

980 IW STD Pallet Fork, Pin-On 72" Tine 473-9106

*Negative values indicate below grade

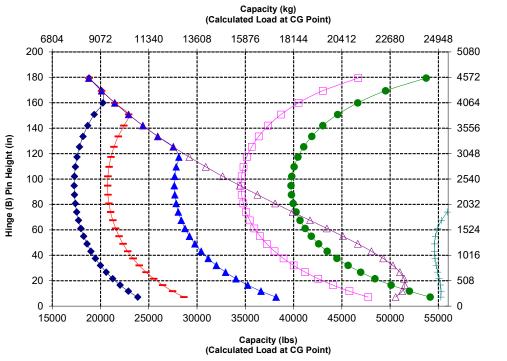
Poyload (SAE J1197)
 Poyload (SAE J1197)
 Poyload (CEN BH 474-3 - Rough Terrain
 Poyload (CEN BH 474-3 - Firm & Leve)
 -6-Static Toping Laad - Microlaide
 -Static Toping Laad - Straight
 -6-Hydraulic TIB Capacity
 -Hydraulic LIB Capacity

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

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

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

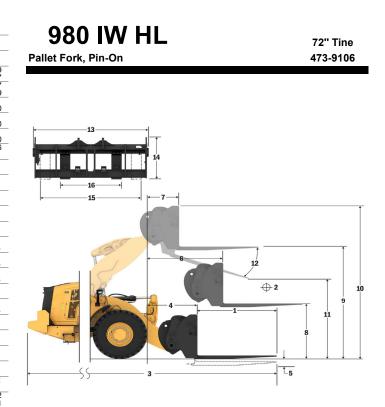
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Fork Specifications

	•		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg	17059
		lbs	37597
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	15127 33339
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7563 16670
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8317 18330
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	8317 18330
3	Maximum Overall Length	mm in	10696 421.1
4	Reach with Forks at Ground Level	mm in	1538 60.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-143
	5	in mm	-5.6 2030
6	Reach with Arms Horizontal and Forks Level	in	79.9
7	Reach with Fork at Maximum Height	mm in	946 37.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2167 85.3
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4657 183.3
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	6035 237.6
11	Clearance at Full Lift and Max Dump	mm in	2789 109.8
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm	1581
	0 0	in mm	62.3 2671
15	Outside Tine Width (max spread)	in	105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm	88.9 3.5
	Tine Thickness	mm	203.2
		in kg	8.0
	Tine Capacity	lbs	32491
	Operating Weight	kg	36364
		lbs	80146



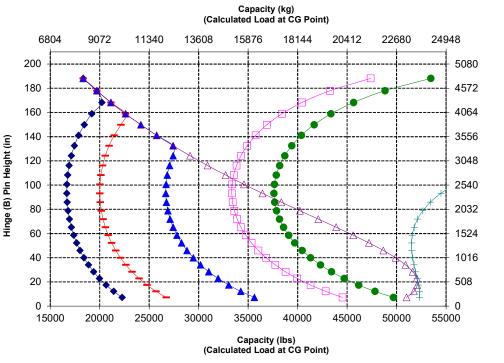
*Negative values indicate below grade

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

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Hinge (B) Pin Height (mm)



980 Waste & Scrap Handler Specifications

Fork Specifications

Fork Specifications

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	19578 43150
	Static Tipping Load - Articulated (Forks Level)	kg	17112
	Static Tipping Load - Aniculated (Forks Level)	lbs	37714
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	8556 18857
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	9398 20714
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	9398 20714
3	Maximum Overall Length	mm	10078
	•	in mm	396.8 1225
4	Reach with Forks at Ground Level	in	48.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-146
	Ground to Bottom of The at Minimum Height and Tork Level	in	-5.8
6	Reach with Arms Horizontal and Forks Level	mm in	1839 72.4
-	Development of the state of the	mm	913
7	Reach with Fork at Maximum Height	in	35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2028 79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4297 169.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5072 199.7
11	Clearance at Full Lift and Max Dump	mm	2897
	•	in	114.1
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217 87.3
	Quanall Comission I laight	mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
	- · · · - · · · · · · · · · · · · · · ·	in mm	81.5 470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kg	6300
		lbs kg	13885 35514
	Operating Weight	lbs	78274

980 IWSDD Pallet Fork, FUSION 87" Carriage 530-1861 648-3265

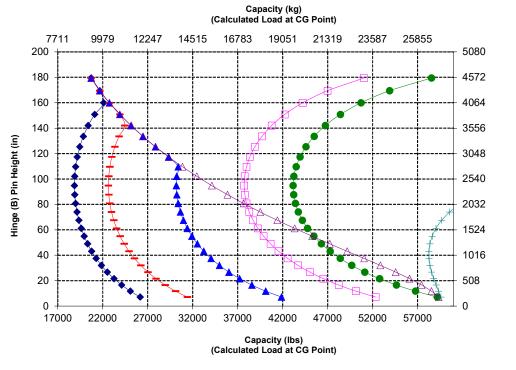
*Negative values indicate below grade

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid 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 on hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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



Hinge (B) Pin Height (mm)



Fork Specifications

	-		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	18462 40690
		kg	16442
	Static Tipping Load - Articulated (Forks Level)	lbs	36239
	Rated Load (SAE J1197 - 50% FTSTL)	kg	8221
		lbs	18120
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8989 19811
	· · · · · · · · · · · · · · · · · · ·	kg	8989
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	19811
3	Maximum Overall Length	mm	10287
		in	405.0
4	Reach with Forks at Ground Level	mm	1434
		in mm	56.4 -145
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-145
-	Reach with Arms Horizontal and Forks Level	mm	2012
6	Reach with Arms Honzonial and Forks Level	in	79.2
7	Reach with Fork at Maximum Height	mm	928
<u> </u>	riodon mar font at maximum roight	in	36.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2028 79.8
_	One we day Tang of Ting of Maximum Hainhad and Fashal and	mm	4517
9	Ground to Top of Tine at Maximum Height and Fork Level	in	177.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5292
	e telan height er i ent at i an Ent (tep er earnage te greana)	in	208.3
11	Clearance at Full Lift and Max Dump	mm in	2996 118.0
	· · · · · · · · · · · · · · · · · · ·		
12	Max Discharge Angle from Horizontal	deg	51
12	Overall Carriage Width	mm	2217
-13		in	87.3
14	Overall Carriage Height	mm	840
	0 0	in mm	<u>33.1</u> 2070
15	Outside Tine Width (max spread)	in	81.5
46	Outside Tine Width (min spread)	mm	470
10		in	18.5
	Tine Width (single tine)	mm	150.0
	(0)	in mm	<u>5.9</u> 65.0
	Tine Thickness	in	2.6
	Tine Constitu	kg	6300
	Tine Capacity	lbs	13885
	Operating Weight	kg	35652
	oporating trong.n	lbs	78577

980 IW HL 87" Carriage 60" Tine Pallet Fork, FUSION 530-1861 548-3265 ⊕2 Ĺ5

*Negative values indicate below grade

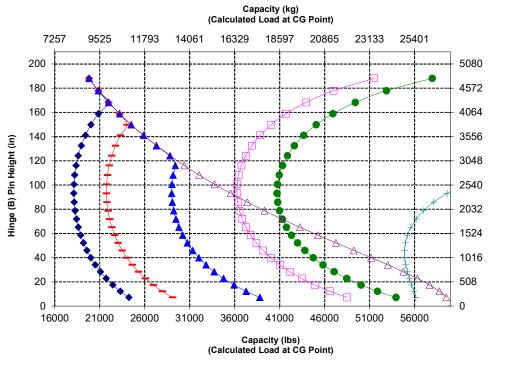
-Payload (SAE J1197) oad (CEN EN 474-3 - Rough Terrair Static Tipping Load - Articulate oing Load - Straigh -A-Hydraulic Tilt Capa

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

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

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

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980 Waste & Scrap Handler Specifications

Fork Specifications

Fork Specifications

	•		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg	18732
	Static Tipping Load - Articulated (Forks Level)	lbs kg	41286 16368
		lbs kg	36075 8184
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	18038
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8327 18352
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	8327 18352
3	Maximum Overall Length	mm	10384 408.8
4	Reach with Forks at Ground Level	mm	1225
		in	48.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-5.8
6	Reach with Arms Horizontal and Forks Level	mm in	1839 72.4
7	Reach with Fork at Maximum Height	mm	913
	•	in mm	35.9 2028
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4297 169.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5072 199.7
11	Clearance at Full Lift and Max Dump	mm	2681
	Max Discharge Angle from Horizontal	in	105.5 45
12		deg	2217
13	Overall Carriage Width	mm in	87.3
14	Overall Carriage Height	mm	840 33.1
45	Outside Tine Width (max spread)	in m	2070
15		in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm	65.0
		in kg	2.6 5246
	Tine Capacity	lbs	11562
	Operating Weight	kg Ibs	35561 78377
	+ Maria and Maria and Maria Andrea Andrea and Andrea	100	10011

980 IW STD Pallet Fork, FUSION 87" Carriage 530-1869

*Negative values indicate below grade

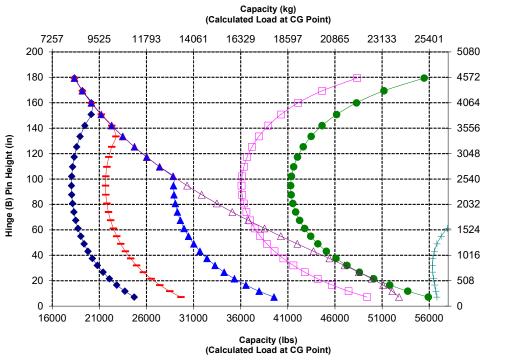
Payload (SAE J1197)
 Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Ternin)
 Payload (CEN EN 474.3 - Firn & Level)
 -I-Static Tipping Load - Articulated
 Static Tipping Load - Shadgt
 -L-Hydraulic Tilt Capacity
 -Hydraulic Lilt Capacity

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

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

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

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



Hinge (B) Pin Height (mm)

Fork Specifications

0	The opecations		
1	Tine Length	mm in	1830 72.0
~	Lead Orates	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	1769
	State ripping Load - Straight (Forks Lever)	lbs	3899
	Static Tipping Load - Articulated (Forks Level)	kg	1575
	orano ripping zoda (i onio zotor)	lbs	3472
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7877
		lbs	1736
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7970
	(1 1 3 11)	lbs	1756
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7970
	(1 1 1 1 1)	lbs	1756
3	Maximum Overall Length	mm	1059
		in	417.
4	Reach with Forks at Ground Level	mm	1434
		in	56.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-145
-	5	in	-5.7
6	Reach with Arms Horizontal and Forks Level	mm	2012
		in	79.2
7	Reach with Fork at Maximum Height	mm	928
	· · · · · · · · · · · · · · · · · · ·	in	36.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	79.8
		mm	4517
9	Ground to Top of Tine at Maximum Height and Fork Level	in	177.
		mm	5292
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	208.
		mm	2759
11	Clearance at Full Lift and Max Dump	in	108.
12	Max Discharge Angle from Horizontal	deg	51
		mm	2217
13	Overall Carriage Width	in	87.3
	o	mm	840
14	Overall Carriage Height	in	33.1
	Outside The Middle (second a)	mm	2070
15	Outside Tine Width (max spread)	in	81.5
40	Outside Tine Width (min spread)	mm	470
10	Outside The Width (him spread)	in	18.5
	Tine Width (single tine)	mm	150.
		in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kg	5246
	The odpaoity	lbs	1156
	Operating Weight	kg	3569 7868

980 IW HL Pallet Fork, FUSION	87'' Carriage 530-1861	72" Tine 530-1869

*Negative values indicate below grade

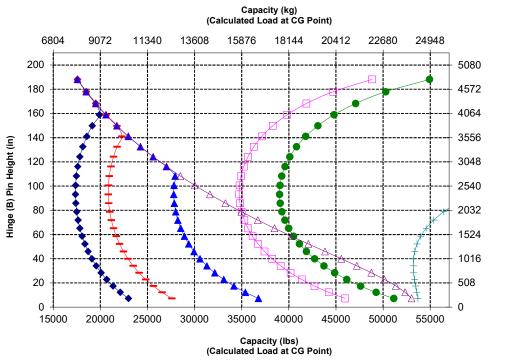
-Payl oad (SAE J1197 Payload (CEN EN 474-3 - Rough ---Static Tipping Load - Straight -A-Hydraulic Tilt Capa + Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid 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 CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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Hinge (B) Pin Height (mm)



980 Waste & Scrap Handler Specifications

Fork Specifications

Fork Specifications

1Tine Lengthmm1829 in72.0 mm914 36.02Load Centerin38.0 38.09972Static Tipping Load - Straight (Forks Level)kg18136 ibs39972Static Tipping Load - Articulated (Forks Level)kg18764 ibs34743Rated Load (SAE J1197 - 50% FTSTL)kg7882 ibs17371Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg9905 ibs19627Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg89053Maximum Overall Lengthmm103474Reach with Forks at Ground Levelmm166.85*Ground to Bottom of Tine at Minimum Height and Fork Levelmm8997Reach with Fork at Maximum Heightmm8998Ground to Top of Tine with Arms Horizontal and Fork Levelmm2099 in9Ground to Top of Tine at Maximum Height and Fork Levelmm2099 in10Overall Height of Fork at Full Lift (top of carriage to ground)in2432 in11Clearance at Full Lift and Max Dumpin98.512Max Discharge Angle from Horizontaldeg5513Overall Carriage Widthmm2821 in14Overall Carriage Heightin111.114Overall Carriage Heightin3.33Tine Width (single tine)in3.4415Outside Tine Width (min spread)in3.33Tine Capacityibs		•		
2Load Centermm914 in36.0Static Tipping Load - Straight (Forks Level)kg18136 (bs39972Static Tipping Load - Articulated (Forks Level)kg15764 (bs34743Rated Load (SAE J1197 - 50% FTSTL)kg7882 (Bs17371Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg8905 (Bs19627Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg89053Maximum Overall Lengthmm103474Reach with Forks at Ground Levelmm46.85*Ground to Bottom of Tine at Minimum Height and Fork Levelmm-956Reach with Fork at Maximum Heightmm32.69Ground to Top of Tine at Maximum Height and Fork Levelmm43689Ground to Top of Tine at Maximum Height and Fork Levelmm436810Overall Height of Fork at Ful Lift (top of carriage to ground)mm250.211Clearance at Full Lift and Max Dumpmm250.212Max Discharge Angle from Horizontaldeg5513Overall Carriage Widthmm262714Overall Carriage Heightin103.415Outside Tine Width (min spread)in3.316Capacitykg1870017in250.2in3.316Courside Tine Width (min spread)in3.416Outside Tine Width (min spread)in3.317Tine Capacity	1	Tine Length		1829
InJosStatic Tipping Load - Straight (Forks Level)kg18136Jbs39972Static Tipping Load - Articulated (Forks Level)kg15764Rated Load (SAE J1197 - 50% FTSTL)kg17371Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg8905Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg8905Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg89053Maximum Overall Lengthim103474Reach with Forks at Ground Levelmm11895'Ground to Bottom of Tine at Minimum Height and Fork Levelin-3.76Reach with Fork at Maximum Heightim89437Reach with Fork at Maximum Heightim89438Ground to Top of Tine at Maximum Height and Fork Levelim35.49Ground to Top of Tine at Maximum Height and Fork Levelim32.410Overall Height of Fork at Full Lift (top of carriage to ground)in213.111Clearance at Full Lift and Max Dumpim282113Overall Carriage Heightim112.414Overall Carriage Heightim3.315Outside Tine Width (max spread)im7.4216Outside Tine Width (min spread)im3.317Tine Capacitykg1870015Outside Tine Width (min spread)im3.316Courseting Waiphtim3.317Forexeting Waipht<	2	Load Center		914
Static Tipping Load - Straight (Forks Level)Ibs kg39972Static Tipping Load - Articulated (Forks Level)kg15764Rated Load (SAE J1197 - 50% FTSTL)kg7882Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg8905Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg8905Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg196273 Maximum Overall Lengthmm103474 Reach with Forks at Ground Levelmm11895 "Ground to Bottom of Tine at Minimum Height and Fork Levelmm18266 Reach with Fork at Maximum Heightmm8997 Reach with Fork at Maximum Heightmm8999 Ground to Top of Tine with Arms Horizontal and Fork Levelin35.49 Ground to Top of Tine at Maximum Height and Fork Levelin712.010 Overall Height of Fork at Full Lift (top of carriage to ground)in2413.111 Clearance at Full Lift and Max Dumpmm282113 Overall Carriage Heightin113.414 Overall Carriage Heightin114.415 Outside Tine Width (max spread)in242.116 Outside Tine Width (min spread)in3.317 ine Capacitykg1870018 5 Outside Tine Width (min spread)in3.318 6 Tine Thicknessin3.419 7Reach with Koressin19 7Reach with Fork at Full Lift (top of carriage to ground)in19 10 0.00000000000000000000000000000000				
Static Tipping Load - Articulated (Forks Level)kg15764Rated Load (SAE J1197 - 50% FTSTL)kg7882Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg8905Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg89053 Maximum Overall Lengthmm103474 Reach with Forks at Ground Levelmm103475 *Ground to Bottom of Tine at Minimum Height and Fork Levelmm103477 Reach with Fork at Maximum Heightmm48.85 *Ground to Bottom of Tine at Minimum Height and Fork Levelin35.47 Reach with Fork at Maximum Heightmm89059 Ground to Top of Tine with Arms Horizontal and Fork Levelin35.49 Ground to Top of Tine at Maximum Height and Fork Levelin35.410 Overall Height of Fork at Full Lift (top of carriage to ground)in35.411 Clearance at Full Lift and Max Dumpin250213 Overall Carriage Midthin111.114 Overall Carriage Heightin32.415 Outside Tine Width (max spread)in34.416 Outside Tine Width (min spread)in36.317 Tine Width (single tine)in34.418 Orverating Widthin34.419 Overating Tine Capacityin34.410 Overating Width (min spread)in33.710 Overating Width (min spread)in33.711 Clearance at Full Lift (top of carriage to ground)in113.411 Clearance at Full Lift (top of carriage to ground		Static Tipping Load - Straight (Forks Level)		
Static Tipping Load - Articulated (Forks Level)Ibs a 34743Rated Load (SAE J1197 - 50% FTSTL)lbs lbs17371Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)lbs lbs19627Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)lbs lbs196273 Maximum Overall Lengthmm103474 Reach with Forks at Ground Levelmm1189 in 407.45 'Ground to Bottom of Tine at Minimum Height and Fork Levelmm1826 in -3.76 Reach with Fork at Maximum Heightmm890 in 48.87 Reach with Fork at Maximum Heightmm890 in 3.5.48 Ground to Top of Tine with Arms Horizontal and Fork Levelmm35.4 in 3.5.49 Ground to Top of Tine at Maximum Height and Fork Levelin in mm3213111 Clearance at Full Lift (top of carriage to ground)mm2421 in in 213.112 Max Discharge Angle from Horizontaldeg5513 Overall Carriage Heightin in in 103.4103.416 Outside Tine Width (max spread)in in in 242117 Fue Width (single tine)in in in 243116 Outside Tine Width (min spread)in in in in 3.3 in in in in 3.3 ine Capacityin in 3.3 3.3 ine Capacity16 Outside Tine Width (min spread)in in in in 3.3 ine Capacityin in 3.4 3.417 Outside Tine Width (min spread)in in in 3.3 3.3 ine Capacityin in 3.4 3.4 3.41				
Rated Load (GAE 3119) - 30% F1STL)Ibs B 1737117371Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg B9058905Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg B90789053 Maximum Overall Lengthmm103474 Reach with Forks at Ground Levelmm11895 *Ground to Bottom of Tine at Minimum Height and Fork Levelmm-956 Reach with Fork at Maximum Heightmm18267 Reach with Fork at Maximum Heightmm20997 Reach with Fork at Maximum Height and Fork Levelmm20999 Ground to Top of Tine at Maximum Height and Fork Levelmm43689 Ground to Top of Tine at Maximum Height and Fork Levelmm209910 Overall Height of Fork at Full Lift (top of carriage to ground)mm250211 Clearance at Full Lift and Max Dumpmm282113 Overall Carriage Widthin112114 Overall Carriage Heightin103.415 Outside Tine Width (max spread)in242216 Outside Tine Width (min spread)in3.3Tine Width (single tine)in3.3Tine Capacitykg1870010 State Tine Width (single tine)in3.3Tine Capacitykg1870010 State Tine Width (single tine)in3.414 Overall Carriage Kightin3.3Tine Capacitykg1870016 Outside Tine Width (single tine)in3.417 Outside Tine Width (single tine)		Static Tipping Load - Articulated (Forks Level)		34743
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kq 89058905 19627Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kq 890589053 Maximum Overall Lengthmm10347 in407.44 Reach with Forks at Ground Levelmm1189 in46.85 *Ground to Bottom of Tine at Minimum Height and Fork Levelmm1882 in7 Reach with Fork at Maximum Heightmm8969 Reach with Fork at Maximum Heightmm8969 Reach with Fork at Maximum Heightmm8969 Ground to Top of Tine with Arms Horizontal and Fork Levelmm2099 in9 Ground to Top of Tine at Maximum Height and Fork Levelmm2099 in10 Overall Height of Fork at Full Lift (top of carriage to ground)mm2502 in11 Clearance at Full Lift and Max Dumpmm2502 in98513 Overall Carriage Midthin1112.414 Overall Carriage Heightin112.415 Outside Tine Width (max spread)in747.416 Outside Tine Width (min spread)in98.317 ine Thicknessin39.318 Tine Thicknessin83.319 Tine Capacitykg36438		Rated Load (SAF J1197 - 50% FTSTL)		
Rated Load (CEN EN 474-3 Rough Terrain - 00% FTSTL)Ibs to				
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 8007 3 Maximum Overall Length mm 10347 4 Reach with Forks at Ground Level mm 1189 5 *Ground to Bottom of Tine at Minimum Height and Fork Level mm 1826 6 Reach with Arms Horizontal and Forks Level mm 1826 7 Reach with Fork at Maximum Height mm 899 7 Reach with Fork at Maximum Height mm 899 9 Ground to Top of Tine with Arms Horizontal and Fork Level in 71.9 9 Ground to Top of Tine at Maximum Height and Fork Level in 72.0 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 72.13 11 Clearance at Full Lift and Max Dump mm 2821 13 Overall Carriage Midth mm 2821 14 Overall Carriage Height in 11129 15 Outside Tine Width (min spread) in 24.4 16 Outside Tine Width (min spread) in 3.3 17 ine Capacity kg 18700 18 5 in 3.3 19 6.0 in 3.3 10 overall Carriage Height in <th></th> <td>Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)</td> <td></td> <td></td>		Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)		
3 Maximum Overall Length in 10347 4 Reach with Forks at Ground Level in 407.4 5 *Ground to Bottom of Tine at Minimum Height and Fork Level in 46.8 5 *Ground to Bottom of Tine at Minimum Height and Fork Level in 7.7 6 Reach with Arms Horizontal and Forks Level in 7.7 7 Reach with Fork at Maximum Height in 35.4 8 Ground to Top of Tine with Arms Horizontal and Fork Level in 7.82.6 9 Ground to Top of Tine at Maximum Height and Fork Level in 7.82.6 9 Ground to Top of Tine at Maximum Height and Fork Level in 7.20.7 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 7.21.1 11 Clearance at Full Lift and Max Dump in 2.50.2 13 Overall Carriage Angle from Horizontal deg 5.5 13 Overall Carriage Height in 111.1 14 Overall Carriage Height in 112.1 15 Outside Tine Width (max spread) in 3.9.4 16 Outsi		Detect Load (CEN EN 474.2 Firm and Lovel Crowned, 20% ETCTL)		
3 mixinfun Overall Length in 407.4 4 Reach with Forks at Ground Level mm 1189 5 *Ground to Bottom of Tine at Minimum Height and Fork Level mm -95 6 Reach with Arms Horizontal and Forks Level in 71.9 7 Reach with Fork at Maximum Height mm 89 7 Reach with Fork at Maximum Height mm 80 8 Ground to Top of Tine with Arms Horizontal and Fork Level in 35.4 9 Ground to Top of Tine at Maximum Height and Fork Level in 43.8 9 Ground to Top of Tine at Maximum Height and Fork Level in 43.68 9 Ground to Top of Tine at Maximum Height and Fork Level in 43.68 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 72.11 11 Clearance at Full Lift and Max Dump in 25.5 13 Overall Carriage Angle from Horizontal deg 5.5 13 Overall Carriage Height in 111.1 14 Overall Carriage Height in 112.1 15 Outside Tine Width		Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FISTL)	lbs	19627
4 Reach with Forks at Ground Level mm 1189 5 *Ground to Bottom of Tine at Minimum Height and Fork Level mm -95 6 Reach with Arms Horizontal and Forks Level in -3.7 6 Reach with Fork at Maximum Height mm 899 7 Reach with Fork at Maximum Height mm 899 7 Reach with Fork at Maximum Height mm 899 9 Ground to Top of Tine with Arms Horizontal and Fork Level in 71.9 9 Ground to Top of Tine at Maximum Height and Fork Level in 172.0 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 72.13.1 11 Clearance at Full Lift and Max Dump mm 2821 13 Overall Carriage Angle from Horizontal 6g 55 13 Overall Carriage Height in 111.2 14 Overall Carriage Height in 44.4 15 Outside Tine Width (max spread) in 24.4 16 Outside Tine Width (min spread) in 3.3 10 Ine Thickness in 3.3	3	Maximum Overall Length		
4 Reach with Porks at Glound Level in 46.8 5 *Ground to Bottom of Tine at Minimum Height and Fork Level mm -95 6 Reach with Arms Horizontal and Forks Level mm 1826 7 Reach with Fork at Maximum Height mm 89 7 Reach with Fork at Maximum Height mm 89 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 4368 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5412 11 Clearance at Full Lift and Max Dump mm 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width in 1111 14 Overall Carriage Height mm 102 11 40 Overall Carriage Height mm 2627 13 Overall Carriage Height in 1129 14 Overall Carriage Height in<				
5 *Ground to Bottom of Tine at Minimum Height and Fork Level mm -95 6 Reach with Arms Horizontal and Forks Level mm 1826 7 Reach with Fork at Maximum Height mm 899 7 Reach with Fork at Maximum Height mm 2099 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 2099 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 213.1 11 Clearance at Full Lift and Max Dump mm 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width mm 1129 14 Overall Carriage Height mm 2627 15 Outside Tine Width (max spread) in 103.4 16 Outside Tine Width (min spread) in 3.3 Tine Thickness in 3.4 18700 10 in 13.3 36438	4	Reach with Forks at Ground Level		
6 Reach with Arms Horizontal and Forks Level mm 1826 7 Reach with Fork at Maximum Height mm 899 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 2099 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5412 11 Clearance at Full Lift and Max Dump mm 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width mm 1126 14 Overall Carriage Height mm 7422 15 Outside Tine Width (max spread) mm 7427 16 Outside Tine Width (min spread) mm 7427 11 Tine Capacity kg 18700 10 squart in 3.3 Tine Capacity kg 18700 10 kg 18700 10 kg 18443	-	*Consumed to Detterm of Time of Minimum Unight and Fault Loval		
6 Reach with Hins Holizonial and Porks Level in 71.9 7 Reach with Fork at Maximum Height in 889 8 Ground to Top of Tine with Arms Horizontal and Fork Level in 35.4 9 Ground to Top of Tine at Maximum Height and Fork Level in 4368 9 Ground to Top of Tine at Maximum Height and Fork Level in 172.0 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 2413.1 11 Clearance at Full Lift and Max Dump mm 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width in 111.1 14 Overall Carriage Height in 112.1 15 Outside Tine Width (max spread) in 242.7 16 Outside Tine Width (min spread) in 242.7 17 ine Capacity kg 18700 18 Tine Capacity kg 18700	5	"Ground to Bottom of Tine at Minimum Height and Fork Level	in	
7 Reach with Fork at Maximum Height mm 889 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 2099 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5412 11 Clearance at Full Lift and Max Dump mm 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width mm 111.1 14 Overall Carriage Height mm 2627 15 Outside Tine Width (max spread) mm 747 16 Outside Tine Width (min spread) mm 749.4 17 Tine Width (single tine) in 98.7 17 Functionas in 3.3 16 Capacity kg 18700 18 Tine Capacity kg 18700	6	Reach with Arms Horizontal and Forks Level		
7 Reach with Pork at Maximum Height in 35.4 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 2099 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5412 11 Clearance at Full Lift and Max Dump mm 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width in 111.1 14 Overall Carriage Height in 111.1 14 Overall Carriage Height in 112.9 15 Outside Tine Width (max spread) mm 7477 16 Outside Tine Width (min spread) in 3.3 Tine Thickness in 3.3 Tine Capacity kg 18700 10 kg 18700				
8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 2099 9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 2502 11 Clearance at Full Lift and Max Dump mm 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width in 111.1 14 Overall Carriage Height mm 2821 15 Outside Tine Width (max spread) in 142.44 16 Outside Tine Width (min spread) in 242.47 Tine Width (single tine) in 9.8 3.0 Tine Thickness in 9.8 3.0 Tine Capacity kg 18700 10.3 Kg 36438 36438 36438	7	Reach with Fork at Maximum Height		
9 Ground to Top of Tine at Maximum Height and Fork Level mm 4368 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5412 11 Clearance at Full Lift and Max Dump mm 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width mm 2821 14 Overall Carriage Height mm 2821 15 Outside Tine Width (max spread) mm 2627 16 Outside Tine Width (min spread) mm 2741 11 Fine Midth (single tine) mm 2502 10 Strine Capacity kg 18700 10 kg 18700 105	•	Cround to Tap of Tipo with Arms Herizontal and Fark Lavel		
9 Ground to Top of The at Maximum Height and For Level in 172.0 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 5412 11 Clearance at Full Lift and Max Dump in 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width in 111.1 14 Overall Carriage Height in 111.2 15 Outside Tine Width (max spread) in 2627 16 Outside Tine Width (min spread) in 2643 Tine Width (single tine) in 3.3 3.3 Tine Capacity kg 18700 18 Operating Wight kg 36438	0	Ground to Top of The with Arms Honzontal and Fork Level	in	
10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 7412 11 Clearance at Full Lift and Max Dump mm 2502 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width mm 2821 14 Overall Carriage Width in 111.1 14 Overall Carriage Height mm 2821 15 Outside Tine Width (max spread) in 324.2 16 Outside Tine Width (min spread) in 98.3 17 Tine Width (single tine) in 98.3 17 Tine Capacity kg 18700 18 Outside kg 36438	9	Ground to Top of Tine at Maximum Height and Fork Level		
10 Overall Height of Pork at Puit Lift (top of carriage to ground) in 213.1 11 Clearance at Full Lift and Max Dump in 98.5 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width in 111.1 14 Overall Carriage Height mm 2821 15 Outside Tine Width (max spread) in 2627 16 Outside Tine Width (min spread) in 29.4 Tine Width (single tine) in 29.4 Tine Thickness in 3.3 Tine Capacity kg 18700 bs 41215 Ouesreting Weight kg				
11 Clearance at Full Lift and Max Dump mm 2502 98.5 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width mm 2821 in 111.1 14 Overall Carriage Height in 111.1 15 Outside Tine Width (max spread) mm 2627 in 103.4 16 Outside Tine Width (min spread) mm 747 in 298.5 Tine Width (single tine) in 3.3 3 3 Tine Capacity kg 18700 ib/s 41210	10	Overall Height of Fork at Full Lift (top of carriage to ground)		
III 36.3 12 Max Discharge Angle from Horizontal deg 55 13 Overall Carriage Width mm 2821 14 Overall Carriage Height in 111.1 14 Overall Carriage Height in 44.4 15 Outside Tine Width (max spread) mm 2627 16 Outside Tine Width (min spread) in 29.4 Tine Width (single tine) in 9.8 7.0 Tine Thickness in 3.3 3.3 Tine Capacity kg 18700 105.4 105.4 41215 0.0 26438	11	Clearance at Full Lift and Max Dump		2502
13 Overall Carriage Width mm 2821 14 Overall Carriage Height mm 111.1 14 Overall Carriage Height in 111.1 15 Outside Tine Width (max spread) mm 2627 16 Outside Tine Width (min spread) mm 747 17 Tine Width (single tine) mm 85.0 10 n 9.8 10 3.3 Tine Capacity kg 18700 10 3.4 10 Se4438 5.0 26438 125.0			in	98.5
13 Overall carriage Wittin in 111.1 14 Overall Carriage Height in 44.4 15 Outside Tine Width (max spread) in 2627 16 Outside Tine Width (min spread) in 243.4 16 Outside Tine Width (min spread) in 29.4 Tine Width (single tine) in 9.8 700.1 Tine Thickness in 3.3 3.7 105.4 41215 Operating Workt kg 36438 36438 36438	12	Max Discharge Angle from Horizontal	deg	55
13 Overall carriage Wittin in 111.1 14 Overall Carriage Height in 44.4 15 Outside Tine Width (max spread) in 2627 16 Outside Tine Width (min spread) in 243.4 16 Outside Tine Width (min spread) in 29.4 Tine Width (single tine) in 9.8 700.1 Tine Thickness in 3.3 3.7 105.4 41215 Operating Workt kg 36438 36438 36438		· ·	mm	2821
14 Overall carnage Height in 44.4 15 Outside Tine Width (max spread) in 2627 16 Outside Tine Width (min spread) in 103.4 16 Outside Tine Width (min spread) in 29.4 Tine Width (single tine) in 9.8 Tine Thickness in 3.3 Tine Capacity kg 18700 Ibs 41215 Operating Weight	13	Overall Carriage Width		
In 444,4 15 Outside Tine Width (max spread) mm 2627 16 Outside Tine Width (min spread) mm 747 17 Tine Width (single tine) mm 250.0 18 Tine Width (single tine) mm 88.0 19.8 Tine Thickness in 3.3 Tine Capacity kg 18700 195 A1215 Operating Weight kg	14	Overall Carriage Height	mm	
15 Outside Tine Width (max spread) in 103.4 16 Outside Tine Width (min spread) in 747 16 Outside Tine Width (single tine) in 29.4 Tine Width (single tine) in 9.8 Tine Thickness in 3.3 Tine Capacity kg 18700 Ibs 41215 000000000000000000000000000000000000		overall barnage rieght		
16 Outside Tine Width (min spread) mm 747 Tine Width (single tine) mm 25.0 in 9.4 Tine Width (single tine) in 9.8 9.8 mm 85.0 Tine Thickness mm 8.1 18700 in 3.3 Tine Capacity kg 18700 185 41215 Operating Weight kg 36438 36438	15	Outside Tine Width (max spread)		
The Outside Time Width (min spread) in 29.4 Tine Width (single tine) in 250.0 Tine Thickness in 8.8 Tine Capacity kg 18700 Ibs 41210 45.4		· · · ·		
ine width (single tine) in 9.8 Tine Thickness in 3.3 Tine Capacity kg 18700 Operating Weight kg 36438	16	Outside Tine Width (min spread)		
III 9.0 Tine Thickness in 3.3 Tine Capacity kg 1870 Operating Weight kg 36438		Tine Width (single tine)	mm	
Ine Inickness in 3.3 Tine Capacity Ibs 41215 Operating Weight kg 36438				
Tine Capacity kg 18700 Descripting Weight kg 36438		Tine Thickness		
The Capacity Ibs 41215 Operating Weight kg 36438		T O I		
		Tine Capacity		
lbs 80310		Operating Weight		
			lbs	80310

980 IWSTD 108" Carriage 72" Time 2324199 523-4200

*Negative values indicate below grade

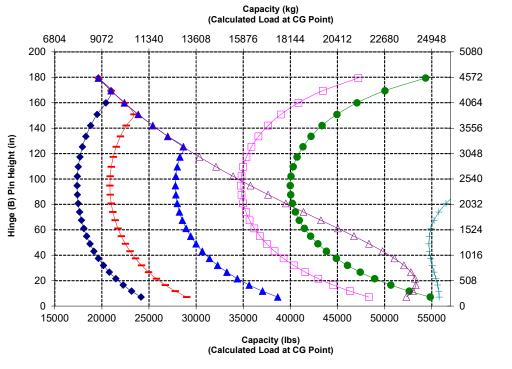
Payload (SAE J1197)
 Payload (CRI BN 474-3 - Rough Terrain
 Payload (CRI BN 474-3 - Rough Terrain
 Payload (CRI BN 474-3 - Frm & Level)
 -iii-Static Taping Laad - Archivated
 -Static Taping Laad - Straight
 -e-Hydraulic Titt Capacity
 --Hydraulic Litt Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid 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 on hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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



Hinge (B) Pin Height (mm)

Fork Specifications

0	The opecations		
1	Tine Length	mm in	1829 72.0
		mm	914
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	17083
	Otatic Tipping Load - Otraight (Forks Lever)	lbs	3765
	Static Tipping Load - Articulated (Forks Level)	kg	1513
		lbs	3336
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7568
	(,	lbs	1668
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8586
	· · · · · · · · · · · · · · · · · · ·		1892
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	8586 1892
		mm	1055
3	Maximum Overall Length	in	415.0
		mm	1397
4	Reach with Forks at Ground Level	in	55.0
-	to the Rettory of The stability of Federation	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	1999
0	Reach with Ams Honzontal and Forks Level	in	78.7
7	Reach with Fork at Maximum Height	mm	915
<u>'</u>	Reach with Fork at Maximum height	in	36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	'nт	2101
-		in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4590
		in mm	180.7 5634
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	221.8
		mm	2613
11	Clearance at Full Lift and Max Dump	in	102.9
12	Max Discharge Angle from Horizontal	deg	61
40	Overall Carriage Width	mm	2821
13	Overall Carriage Width	in	111.1
11	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	'nт	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747 29.4
		in mm	250.0
	Tine Width (single tine)	in	9.8
			85.0
	Tine Thickness	mm in	
		in	3.3
	Tine Thickness Tine Capacity		3.3 1870
		in kg	

980 IW HL	108" Carriage	72'' Tine
Pallet Fork, FUSION	523-4199	523-4200

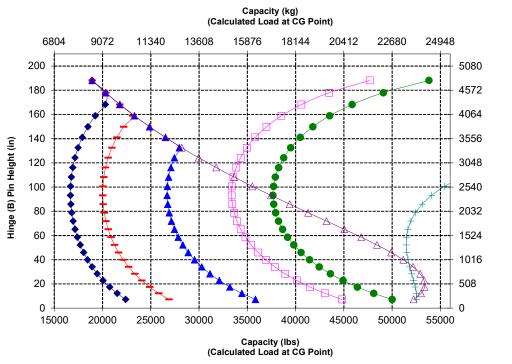
*Negative values indicate below grade

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

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

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

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Hinge (B) Pin Height (mm)

980 Waste & Scrap Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg	17316
		lbs	38165 15038
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	33144
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7519 16572
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	7914 17442
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	7914 17442
3	Maximum Overall Length	mm in	10655 419.5
4	Reach with Forks at Ground Level	mm in	1193 47.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-95
	6	in mm	-3.7 1826
6	Reach with Arms Horizontal and Forks Level	in	71.9
7	Reach with Fork at Maximum Height	mm in	899 35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2104 82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4373 172.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5412 213.1
11	Clearance at Full Lift and Max Dump	mm in	2251 88.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm	1129
		in	44.4 2627
15	Outside Tine Width (max spread)	mm in	103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm	250.0 9.8
	Tine Thickness	mm	90.0
		in kg	3.5
	Tine Capacity	lbs	39075
	Operating Weight	kg Ibs	36540 80535
	AND AND AND AND AND		

980 IW STD Pallet Fork, FUSION	108" Carriage 523-4199	84'' Tine 523-4201
	 ↓2 ⊕2	

*Negative values indicate below grade

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

Height (in)

Pin

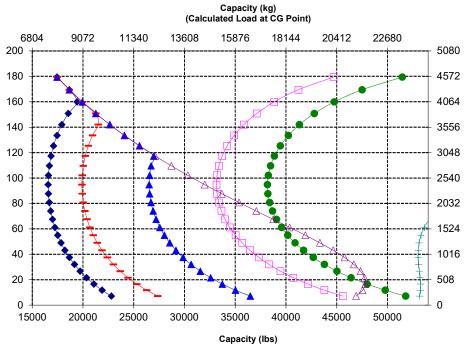
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Hinge (

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

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

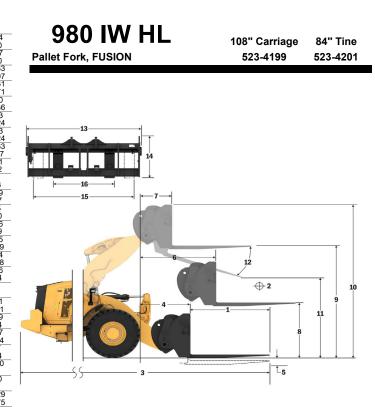
*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization



Capacity (lbs) (Calculated Load at CG Point) Hinge (B) Pin Height (mm)

Fork Specifications

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Otatio Time in a Loo di Otasi akt (Esako Loosi)	in kg	42.0
	Static Tipping Load - Straight (Forks Level)	lbs	35997
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	14461 31871
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7230
		lbs	15936 7633
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	16824
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7633
	, , , , , , , , , , , , , , , , , , ,	lbs mm	16824 10863
3	Maximum Overall Length	in	427.7
4	Reach with Forks at Ground Level	mт	1401
		in mm	<u>55.2</u> -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	1999
		in mm	78.7
7	Reach with Fork at Maximum Height	in	36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2106 82.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4595
		in	180.9 5634
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	221.8
11	Clearance at Full Lift and Max Dump	mт	2346
	•	in	92.4
12	Max Discharge Angle from Horizontal	deg	61
13	Overall Carriage Width	mm in	2821
		mm	<u>111.1</u> 1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
40	Outside Time (M/idth (min served))	mm	747
10	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	39075
	Operating Weight	kg	36678
	oporating troight	lbs	80838



*Negative values indicate below grade

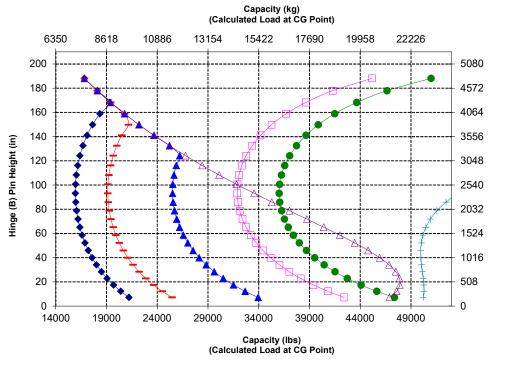
----Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid 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 on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

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Hinge (B) Pin Height (mm)

980 Waste & Scrap Handler Specifications

Fork Specifications

Fork Specifications

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	16496
		lbs	36358 14307
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	31532
	Detect Land (CAE 11107 FOW FIGTL)	kg	7041
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	15518
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7041
		lbs	15518
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	7041 15518
-		mm	10964
3	Maximum Overall Length	in	431.7
4	Reach with Forks at Ground Level	mm	1197
		in	47.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-93
	Ũ	in mm	-3.7 1831
6	Reach with Arms Horizontal and Forks Level	in	72.1
7	Reach with Fork at Maximum Height	mm	904
_ '	Reach with Fork at Maximum Height	in	35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2106
		in mm	82.9 4375
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.2
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5412
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	213.1
11	Clearance at Full Lift and Max Dump	mm	1998
		in	78.6
12	Max Discharge Angle from Horizontal	deg	55
40	Overall Carriers Width	mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1127
		in	44.4 2629
15	Outside Tine Width (max spread)	mm in	103.5
40	Outside The Middle (asia second)	mm	747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm in	90.0 3.5
	T O I	kg	15750
	Tine Capacity	lbs	34713
	Operating Weight	kg	36691
		lbs	80868

980 IWSDD Pallet Fork, FUSION 96" Tine 523-4199 523-4202

*Negative values indicate below grade

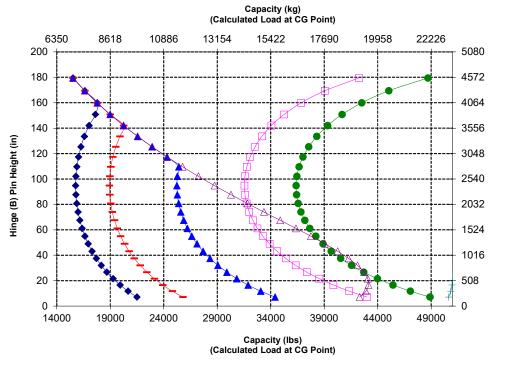
Payload (SAE J1197)
 Payload (CEN BN 474-3 - Rough Terrain
 Payload (CEN BN 474-3 - Firm & Level)
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NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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Hinge (B) Pin Height (mm)

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_		in kg	48.0 15576
	Static Tipping Load - Straight (Forks Level)	lbs	34328
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	13773 30356
		kg	6791
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14967
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	6791 14967
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6791
		lbs	14967
3	Maximum Overall Length	mm in	11172 439.8
4	Reach with Forks at Ground Level	mm	1405
-		in	55.3 -89
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	2004
•		in	78.9 920
7	Reach with Fork at Maximum Height	mm in	920 36.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2108
-		in mm	83.0 4597
9	Ground to Top of Tine at Maximum Height and Fork Level	in	181.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5634
		in mm	221.8 2076
11	Clearance at Full Lift and Max Dump	in	81.7
12	Max Discharge Angle from Horizontal	deg	61
13	Overall Carriage Width	mm	2821
		in mm	<u>111.1</u> 1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
	· · · · /	in mm	103.5
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	15750 34713
	On service a Wainda	kg	36829
	Operating Weight	lbs	81171

980 IW HL Pallet Fork, FUSION	108" Carriage 523-4199	96'' Tine 523-4202

*Negative values indicate below grade

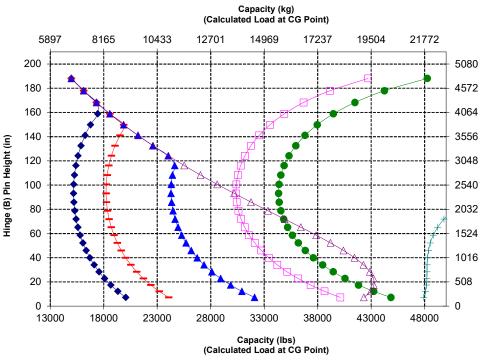
+ Pay oad (SAE J1197 Payload (CEN EN 474-3 - Rough ---Static Tipping Load - Straight -A-Hydraulic Tilt Capa + Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the Following loader configuration: Brawler Smooth Solid 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 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 rim and level ground or hydraulic limit.

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









980 Forestry Machine

Millyard applications demand the additional performance, productivity, and safety that Cat forestry wheel loaders deliver.

Proven Reliability

- Cat C13 engine offers increased power density with a combination of proven electronic fuel and air systems.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Heavy-duty transmission and axles designed to handle extreme applications.
- Automatic planetary powershift (4F/4R) transmission features durable, long-lasting components.

Superior Fuel Efficiency & Productivity

- Forestry package includes additional counterweight, heavier rear frame, larger tilt cylinders, shorter tilt links, and an extreme service transmission to increase machine capacity over the base model.
- Optional variable pitch fan and high debris coolers minimize the potential for overheating and reduce downtime for radiator clean out in high debris applications.
- Optional 3rd valve auxiliary hydraulics to control work tools requiring the additional function.
- Extreme service powershift transmission with lock-up clutch increases fuel efficiency while delivering optimal performance.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Optional limited slip differentials increase traction and reduce tire slip, lowering operating costs.
- Deeply integrated engine, power train, 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 multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear-vision camera provide industry leading all-around visibility.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

Reduced Maintenance Time and Costs

- Extended fluid and filter change intervals reduce maintenance costs by up to 20%.
- 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.

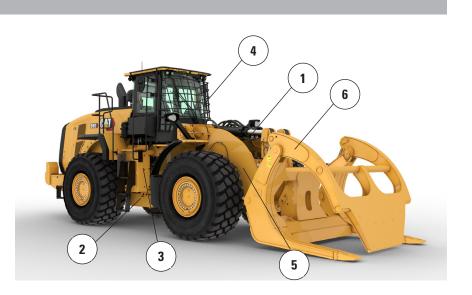
Work in Comfort in the All New Cab

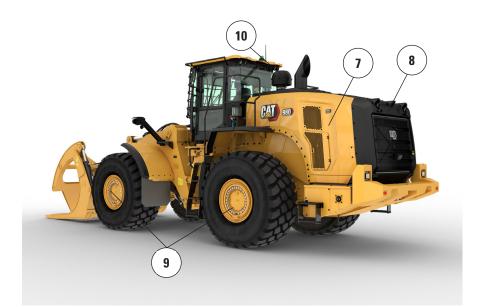
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and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

980 Forestry Machine Specifications

980 Forestry Machine Features

- 1. Larger tilt cylinders and optimized tilt links for increased load control in fork applications
- 2. Heavier rear frame and counterweight provide increased tipping loads in a millyard application
- 3. Extreme service transmission maintains durability
- 4. Optional window guards provide added protection
- 5. Optional 3rd function hydraulics provide auxiliary hydraulic control for work tools like millyard or logging forks
- 6. Wide range of millyard work tools





- 7. Optional variable pitch fan help to keep rear grill and cooling cores clean in high debris applications
- 8. Optional high debris/wide fin spacing cooling cores are less prone to plugging
- 9. Optional axle oil cooler provides lower axle oil temperatures in high braking applications
- 10. Optional engine and cab precleaners for use in high debris applications

980 Forestry Machine Specifications

Tire Options

Tire Brand	Bridgestone	Michelin	Bridgestone	Michelin	Maxam	Maxam
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-4	L-4	L–3	L–3	L–3	L-4
Tread Pattern	VSNT	XLDD1	VJT	XHA2	MS302	MS405DX
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3263 mm 10'9"	3270 mm 10'9"	3270 mm 10'9"	3256 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3289 mm 10'10"	3296 mm 10'10"	3290 mm 10'10"	3282 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		-7 mm -0.3"	-23 mm -0.9"	-40 mm -1.6"	-19 mm -0.8"	-33 mm -1.3"
Change in Horizontal Reach		-1 mm 0"	20 mm 0.8"	23 mm 0.9"	6 mm 0.2"	19 mm 0.7"
Change in Clearance Circle to Outside of Tires		42 mm 1.7"	29 mm 1.1"	36 mm 1.4"	30 mm 1.2"	22 mm 0.9"
Change in Clearance Circle to Inside of Tires		-42 mm -1.7"	-29 mm -1.1"	-36 mm -1.4"	-30 mm -1.2"	-22 mm -0.9"
Change in Operating Weight (without Ballast)		-156 kg -344 lb	-684 kg -1,508 lb	−700 kg −1,544 lb	-528 kg -1,164 lb	-388 kg -856 lb
Change in Static Tipping Load – Straight		-119 kg -262 lb	-520 kg -1,147 lb	-532 kg -1,174 lb	-402 kg -885 lb	-295 kg -651 lb
Change in Static Tipping Load – Articulated		-103 kg -228 lb	-453 kg -998 lb	-463 kg -1,022 lb	-350 kg -771 lb	–257 kg –566 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"

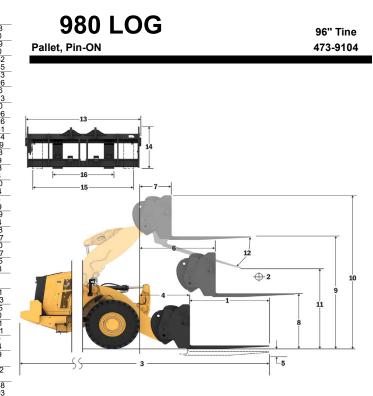
*Width over tire bulge and includes tire growth.

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L–3	L–3	L4	L–4
Tread Pattern	XHA2	VTS	VLTS	MS405DX
Width over Tires – Maximum (empty)*	3373 mm	3341 mm	3344 mm	3357 mm
	11'1"	11'0"	11'0"	11'1"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm
	11'2"	11'1"	11'1"	11'2"
Change in Vertical Dimensions	-25 mm	-19 mm	-16 mm	-34 mm
(average of front and rear)	-1"	-0.8"	-0.6"	-1.3"
Change in Horizontal Reach	18 mm	20 mm	19 mm	19 mm
	0.7"	0.8"	0.7"	0.7"
Change in Clearance Circle to Outside of Tires	124 mm	99 mm	106 mm	122 mm
	4.9"	3.9"	4.2"	4.8"
Change in Clearance Circle to Inside of Tires	-124 mm	-99 mm	-106 mm	-122 mm
	-4.9"	-3.9"	-4.2"	-4.8"
Change in Operating Weight (without Ballast)	40 kg	240 kg	316 kg	308 kg
	88 lb	529 lb	697 lb	679 lb
Change in Static Tipping Load – Straight	-30 kg	183 kg	240 kg	234 kg
	-67 lb	402 lb	530 lb	516 lb
Change in Static Tipping Load – Articulated	-26 kg	159 kg	209 kg	204 kg
	-58 lb	350 lb	461 lb	450 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"

*Width over tire bulge and includes tire growth.

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	15352 33835
		kg	13533
	Static Tipping Load - Articulated (Forks Level)	lbs	29826
		kg	6766
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14913
-	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8120
	Nated Load (CEN EN 474-5 Rough Terrain - 00 % T 131E)	lbs	17896
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	10826
		lbs	23861
3	Maximum Overall Length	mm	11174
	5	in	439.9 1318
4	Reach with Forks at Ground Level	mm in	51.9
		mm	-143
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.6
		mm	1840
6	Reach with Arms Horizontal and Forks Level	in	72.4
-	Deach with Fault at Maximum Hainht	mm	913
7	Reach with Fork at Maximum Height	in	35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2169
		in	85.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4438
		in	174.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5810
	° (1° ° ° ,	in mm	228.7 2165
11	Clearance at Full Lift and Max Dump	in	85.3
	· · · · · · · · · · · · · · · · · · ·		
12	Max Discharge Angle from Horizontal	deg	47
40	Q	mm	2751
13	Overall Carriage Width	in	108.3
14	Overall Carriage Height	mm	1575
14	Overall Garnage Height	in	62.0
15	Outside Tine Width (max spread)	mm	2671
		in	105.1
16	Outside Tine Width (min spread)	mm	849
	(in	33.4 88.9
	Tine Width (single tine)	mm in	3.5
		mm	203.2
	Tine Thickness	in	8.0
	The Originality	ka	11068
	Tine Capacity	lbs	24393
	Operating Weight	kg	31500
	Operating Weight	lbs	69426



*Negative values indicate below grade

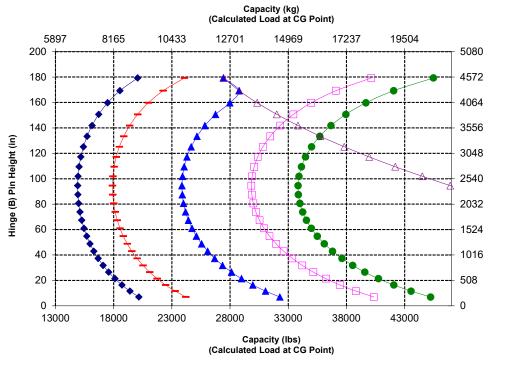
Payload (SAE J1107)
 Payload (CEN EN 474.3 - Rough Terrain)
 Payload (CEN EN 474.3 - Fough Terrain)
 Payload (CEN EN 474.3 - Fough Terrain)
 Payload (CEN EN 474.3 - Fough Terrain)
 Payload (CEN Terrain)

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

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Hinge (B) Pin Height (mm)

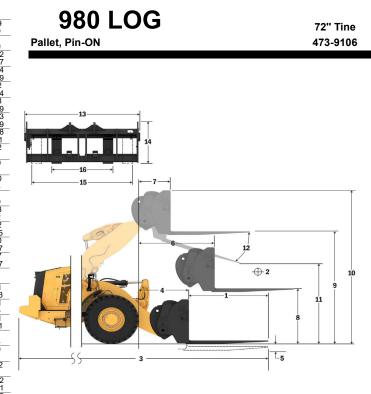
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980 Forestry Machine Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg	16872
	State hpping Load - Straight (Forks Lever)	lbs	37187
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	14904 32849
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7452 16424
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8943 19709
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	11923 26279
3	Maximum Overall Length	mm in	10568 416.1
4	Reach with Forks at Ground Level	mm in	1322 52.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-149 -5.9
6	Reach with Arms Horizontal and Forks Level	mm	1840
_		in mm	72.4 913
7	Reach with Fork at Maximum Height	in	35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2163 85.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4432 174.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5810 228.7
11	Clearance at Full Lift and Max Dump	mm in	2607 102.7
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm in	1581 62.3
15	Outside Tine Width (max spread)	mm	2671 105.1
16	Outside Tine Width (min spread)	mm	849 33.4
	Tine Width (single tine)	mm	88.9 3.5
	Tine Thickness	mm	203.2 8.0
	Tine Capacity	kg	14742 32491
	Operating Weight	lbs kg lbs	31268 68915
	*Ne velive velves indicate belavy availa	ine	00910



*Negative values indicate below grade

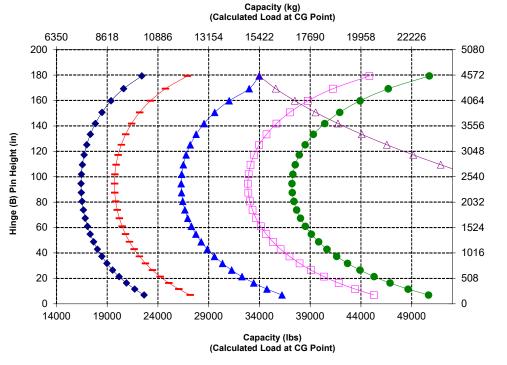
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Teman)
 Payload (CEN EN 474.3 - Rough Teman)
 Payload (CEN EN 474.3 - Film & Level)
 Po-Static Taping Load - Articulated
 Po-Static Till Capacity
 Phylandic LB Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

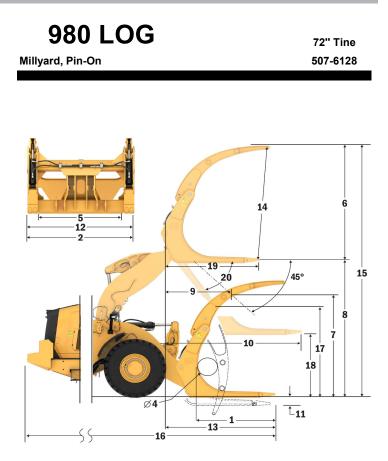
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Hinge (B) Pin Height (mm)

Fork Specifications

1	Tine length	mm	1829
		in	72.0
2	Fork width	mm	2777
4	FOIK WILLI	in	109.3
	End area	m2	1.69
	Enu alea	ft2	18
3	Inside Height	mm	0
ა	(only applies to double top clamp)	in	Ó
4	Min. opening	mm	555
4	(only applies to millyard forks)	in	22
		kg	32765
	Operating Weight	lbs	72234
-		mm	2215
5	Distance inside of tine tips	in	87
	Static tipping load, articulated	kg	15998
	Fork level	lbs	35268.4
	Static tipping load, straight	kg	18310
	Fork level	lbs	40366.2
	Max. height of fork	mm	3107
6	(w/clamp open if applicable)	in	122.3
_	Clearance w/full lift, 45 deg dump	mm	2982
7	(if max. dump <> 45)	in	117.4
•		mm	4301
8	Clearance @ full lift fork level	in	169.3
	Reach w/full lift, 45 deg dump	mm	1600
9	(if max. dump <> 45)	in	63.0
40	Reach w/lift arm horizontal and fork level	mm	3283
10	Reach w/iiit arm horizontal and fork level	in	129.2
	*Crewed to Bettern of Tool at Minimum Height and Tool Lovel	mm	-77
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	in	-3.0
40	Width over tines	mm	2741
12	width over tines	in	107.9
40	Break @ mondlevel	mm	2566
13	Reach @ ground level	in	101
4.4	Max anoning agrees tine and elemen	mm	2926
14	Max. opening across tine and clamp	in	115.2
15	Overall height of fork @ full lift and	mm	7408
15	clamp open	in	291.7
16	Overall length	mm	9983
16	Tip of tine to rear of machine	in	393.0
17	Clearance @ full lift and max. dump	mm	2939
17	Discharge (if <> 45)	in	115.7
40	Clearance w/horizontal lift arms and	mm	2032.4
18	fork level	in	80.0
40		mm	2356.0
19	Reach @ full lift and fork level	in	92.8
		deg	47
20	Max. discharge angle from horizontal	rad	0.8
		100	0.0



*Negative values indicate below grade

-Payload (SAE J1197)

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

-D-Static Tipping Load - Articulated

---Static Tipping Load - Straigh

Static Tipping Load - Straight

-A-Hydraulic Tilt Capacity

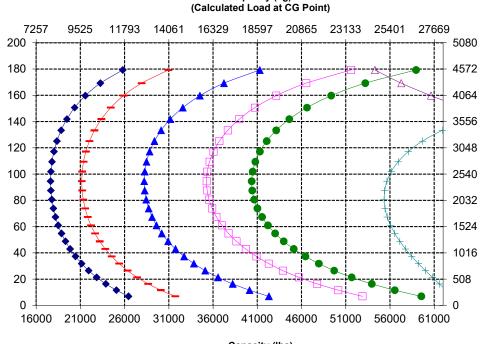
----Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 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. Hinge (B) Pin Height (in)

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

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Capacity (kg)

Capacity (lbs) (Calculated Load at CG Point)

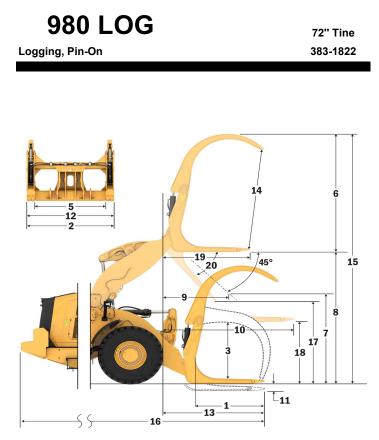
Hinge (B) Pin Height (mm)

980 Forestry Machine Specifications

Fork Specifications

Fork Specifications

1	Tine length	mm	1826
<u> </u>		in	71.9
2	Fork width	mm	2802
		in	110.3
	End area	m2	2.43
		ft2	26
3	Inside Height	mm	1540
	(only applies to double top clamp)	in	61
4	Min. opening	mm	N/A
	(only applies to millyard forks)	in	N/A
	Operating Weight	kg	31970
	5 5	lbs	70481
5	Distance inside of tine tips	mm	2256
	•	in	89
	Static tipping load, articulated	kg	15920
	Fork level	lbs	35097.5
	Static tipping load, straight	kg	18102
	Fork level	lbs	39906.6
6	Max. height of fork	mm	3394
	(w/clamp open if applicable)	in	133.6
7	Clearance w/full lift, 45 deg dump	mm	2979
	(if max. dump <> 45)	in	117.3
8	Clearance @ full lift fork level	mm	4301
	Dearth with the AF data down	in	169.3
9	Reach w/full lift, 45 deg dump	mm	1603
	(if max. dump <> 45)	in	63.1
10	Reach w/lift arm horizontal and fork level	mm	3287
		in	129.4
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-77
		in	-3.0
12	Width over tines	mm	2752
		in	108.4
13	Reach @ ground level	mm	2570
		in	
14	Max. opening across tine and clamp	mm	2936
	Querell beinkt of fort @ full lift and	in	115.6
15	Overall height of fork @ full lift and	mm	7695
	clamp open	in	303.0
16	Overall length Tip of tine to rear of machine	mm	9987
		in	393.2
17	Clearance @ full lift and max. dump	mm	2936
	Discharge (if <> 45) Clearance w/horizontal lift arms and	in	115.6
18		mm	2032.2
	fork level	in	80.0
19	Reach @ full lift and fork level	mm	2359.9
	-	in	92.9
20	Max. discharge angle from horizontal	deg	47
		rad	0.8



*Negative values indicate below grade

Payload (SAE J1197)
 Payload (CEN EN 474-3 - Rough Terrai
 Payload (CEN EN 474-3 - Firm & Level)

- -B-Static Tipping Load Ar
- -A-Hydraulic Tilt Capacity
- ----- Hydraulic Lift Capacity

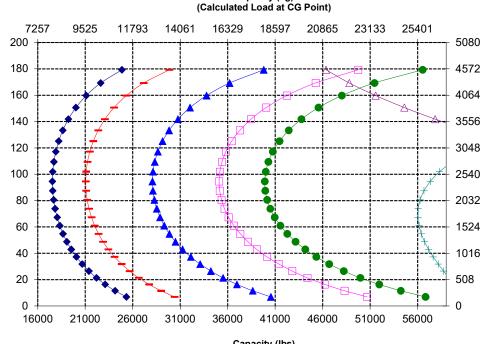
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Hinge (B) Pin Height (in)

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

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

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Capacity (kg)

Capacity (lbs) (Calculated Load at CG Point)





Steel mill package is designed for the challenging work environment of steel mills and slag handling applications, incorporating an added level of safety.

Proven Reliability

- Cat C13 engine offers increased power density with a combination of proven electronic fuel and air systems.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Steel mill package adds additional steel guards all around the machine to protect your investment.
- Hydraulic hoses and electrical harnesses outside of the frame are insulated and wrapped with stainless steel braiding.
- Heavy-duty hinge pins with a cross hatch design and high temp bushings are purpose built
- Heavy-duty steel cable lower steps stand up to the harshest of conditions
- Heavy-duty transmission and axles designed to handle extreme applications.
- Automatic planetary powershift (4F/4R) transmission features durable, long-lasting components.

Superior Fuel Efficiency & Productivity

- Powershift transmission with lock-up clutch increases fuel efficiency while delivering optimal performance.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Optional limited slip differentials increase traction and reduce tire slip, lowering operating costs.
- Deeply integrated engine, power train, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Ground-level parking brake override & engine shutdown switches for emergency machine retrieval.
- Optional rear egress stairs allows for another point of machine exit for the operator.
- In-cab parking brake and transmission override controls provide an added level of safety for a steel mill application.
- Rear-vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear-vision camera provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

- Extended fluid and filter change intervals reduce maintenance costs by up to 20%.
- 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.

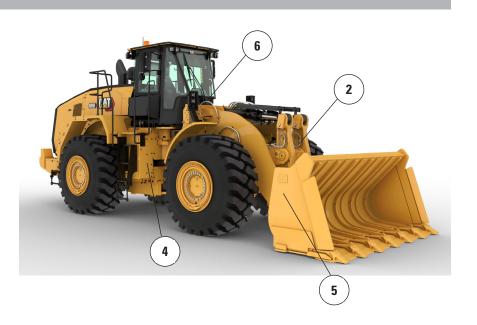
Work in Comfort in the All New Cab

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

980 Steel Mill Specifications

980 Steel Mill Features

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





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

980 Steel Mill Specifications

Tire Options

Tire Brand	Bridgestone	Michelin	Michelin	Michelin
Tire Size	29.5-25	29.5-25	29.5-25	29.5-25
Tread Type	L4	L4	L5	L–5
Tread Pattern	VSNT	XLDD1	XLDD2	XMINED2
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3256 mm 10'9"	3275 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3296 mm 10'10"	3294 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		-7 mm -0.3"	6 mm 0.2"	5 mm 0.2"
Change in Horizontal Reach		-1 mm 0"	3 mm 0.1"	3 mm 0.1"
Change in Clearance Circle to Outside of Tires		42 mm 1.7"	36 mm 1.4"	34 mm 1.3"
Change in Clearance Circle to Inside of Tires		-42 mm -1.7"	-36 mm -1.4"	-34 mm -1.3"
Change in Operating Weight (without Ballast)		-156 kg -344 lb	208 kg 459 lb	532 kg 1173 lb
Change in Static Tipping Load – Straight		−119 kg −262 lb	158 kg 349 lb	405 kg 892 lb
Change in Static Tipping Load – Articulated		-103 kg -228 lb	138 kg 304 lb	352 kg 777 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm 1'1"	340 mm 1'1"	340 mm 1'1"	340 mm 1'1"
*Width over tire bulge and includes tire growth.				

*Width over tire bulge and includes tire growth.

Tire Brand	Bridgestone	Michelin	Bridgestone	Bridgestone
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L–3	L4	L5	L–5
Tread Pattern	VJT	VSNT	VSDT	VSDL
Width over Tires – Maximum (empty)*	3263 mm	3270 mm	3272 mm	3250 mm
	10'9"	10'9"	10'9"	10'8"
Width over Tires – Maximum (loaded)*	3289 mm	3296 mm	3301 mm	3275 mm
	10'10"	10'10"	10'10"	10'9"
Change in Vertical Dimensions	-23 mm	-40 mm	4 mm	20 mm
(average of front and rear)	-0.9"	-1.6"	0.1"	0.8"
Change in Horizontal Reach	20 mm	23 mm	0 mm	-10 mm
	0.8"	0.9"	0"	-0.4"
Change in Clearance Circle to Outside of Tires	29 mm	36 mm	41 mm	15 mm
	1.1"	1.4"	1.6"	0.6"
Change in Clearance Circle to Inside of Tires	-29 mm	-36 mm	-41 mm	-15 mm
	-1.1"	-1.4"	-1.6"	-0.6"
Change in Operating Weight (without Ballast)	684 kg	−700 kg	500 kg	708 kg
	1508 lb	−1,544 lb	1,103 lb	1,561 lb
Change in Static Tipping Load – Straight	−520 kg	-532 kg	380 kg	538 kg
	−1147 lb	-1,174 lb	838 lb	1,187 lb
Change in Static Tipping Load – Articulated	-453 kg	-463 kg	331 kg	469 kg
	-998 lb	-1,022 lb	730 lb	1,033 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"

*Width over tire bulge and includes tire growth.

Tire Options

Tire Brand	Maxam	Maxam	Maxam	Brawler
Tire Size	29.5-25	29.5-25	29.5-25	29.5-25
Tread Type	L–3	L4	L5	L–3
Tread Pattern	MS302	MS405DX	MS503	XHA2
Width over Tires – Maximum (empty)*	3270 mm	3256 mm	3268 mm	3227 mm
	10'9"	10'9"	10'9"	10'8"
Width over Tires – Maximum (loaded)*	3290 mm	3282 mm	3304 mm	3230 mm
	10'10"	10'10"	10'11"	10'8"
Change in Vertical Dimensions	-19 mm	-33 mm	6 mm	9 mm
(average of front and rear)	-0.8"	-1.3"	0.2"	0.4"
Change in Horizontal Reach	6 mm	19 mm	-3 mm	30 mm
	0.2"	0.7"	-0.1"	1.2"
Change in Clearance Circle to Outside of Tires	30 mm	22 mm	44 mm	-30 mm
	1.2"	0.9"	1.7"	-1.2"
Change in Clearance Circle to Inside of Tires	-30 mm	-22 mm	-44 mm	30 mm
	-1.2"	-0.9"	-1.7"	1.2"
Change in Operating Weight (without Ballast)	-528 kg	–388 kg	252 kg	5772 kg
	-1,164 lb	–856 lb	556 lb	12,727 lb
Change in Static Tipping Load – Straight	-402 kg	–295 kg	192 kg	4390 kg
	-885 lb	–651 lb	423 lb	9,679 lb
Change in Static Tipping Load – Articulated	-350 kg	–257 kg	167 kg	3821 kg
	-771 lb	–566 lb	368 lb	8,425 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"
*Width over tire bulge and includes tire growth.				

*Width over tire bulge and includes tire growth.

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L–3	L–3	L4	L-4
Tread Pattern	XHA2	VTS	VLTS	MS405DX
Width over Tires – Maximum (empty)*	3373 mm	3341 mm	3344 mm	3357 mm
	11'1"	11'0"	11'0"	11'1"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm
	11'2"	11'1"	11'1"	11'2"
Change in Vertical Dimensions	-25 mm	-19 mm	-16 mm	-34 mm
(average of front and rear)	-1"	-0.8"	-0.6"	-1.3"
Change in Horizontal Reach	18 mm	20 mm	19 mm	19 mm
	0.7"	0.8"	0.7"	0.7"
Change in Clearance Circle to Outside of Tires	124 mm	99 mm	106 mm	122 mm
	4.9"	3.9"	4.2"	4.8"
Change in Clearance Circle to Inside of Tires	-124 mm	-99 mm	-106 mm	-122 mm
	-4.9"	-3.9"	-4.2"	-4.8"
Change in Operating Weight (without Ballast)	-40 kg	240 kg	316 kg	308 kg
	-88 lb	529 lb	697 lb	679 lb
Change in Static Tipping Load – Straight	-30 kg	183 kg	240 kg	234 kg
	-67 lb	402 lb	530 lb	516 lb
Change in Static Tipping Load – Articulated	-26 kg	159 kg	209 kg	204 kg
	-58 lb	350 lb	461 lb	450 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"

*Width over tire bulge and includes tire growth.

Linkage		Standard Linkage	
Bucket Type		Slag – Pin-On	
Edge Type		Teeth and Segments	
Capacity – Rated	m ³	3.80	
	yd ³	5.00	
Capacity – Rated at 110% Fill Factor	m ³	4.20	
	yd ³	5.50	
Width	mm	3394	
	ft/in	11'1"	
16 † Dump Clearance at Maximum Lift	mm	3206	
and 45° Discharge	ft/in	10'6"	
17 † Reach at Maximum Lift and	mm	1493	
45° Discharge	ft/in	4'10"	
Reach at Level Lift Arm and	mm	3021	
Bucket Level	ft/in	9'10"	
A† Digging Depth	mm	114	
	in	4.5"	
12† Overall Length	mm	9793	
	ft/in	32'2"	
B [†] Overall Height with Bucket at	mm	6016	
Maximum Lift	ft/in	19'9"	
Loader Clearance Circle Radius	mm	7635	
with Bucket at Carry Position	ft/in	25'1"	
Static Tipping Load, Straight	kg	20 885	
(With tire deflection)	lb	46,031	
Static Tipping Load, Straight	kg	22 305	
(No tire deflection)	lb	49,161	
Static Tipping Load,	kg	17 710	
Articulated (With tire deflection)	lb	39,033	
Static Tipping Load, Articulated	kg	18 982	
(No tire deflection)	lb	41,836	
Breakout Force (§)	kN	257	
	lbf	57,919	
Operating Weight*	kg	33 895	
	lb	74,704	

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, axle oil cooler, standard counterweight, steel mill linkage, flat window, rear egress fenders, ride control, steel roof cap, standard starting, steel mill package, turbine engine precleaner, Product Link, open/open differentials, power train guard, standard steering, and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

980 Steel Mill Specifications



980 Block Handler

The Cat 980 Block Handler is designed to withstand the demanding and harsh environment of block handling applications. The Block Handler's features work together to provide a durable and reliable machine to meet your needs.

Proven Reliability

- Cat C13 engine offers increased power density with a combination of proven electronic fuel and air systems.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Heavy-duty rims have a thicker center disc and rim section that were specifically designed to carry the additional loads that are common in a block handling application.
- Extreme service transmission with lock-up clutch torque convertor for improved performance and durability.

Superior Fuel Efficiency & Productivity

- Block handler package includes larger tilt cylinders and counterweight for increased load control.
- Rack limiting feature to prevent unintended lever contact with the blocks.
- Block handler counterweight with integrated guard offers higher payload capability for block handling.
- Powershift transmission with lock-up clutch increases fuel efficiency while delivering optimal performance.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Optional limited slip differentials increase traction and reduce tire slip, lowering operating costs.
- Deeply integrated engine, power train, 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 multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear-vision camera provide industry leading all-around visibility.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

Reduced Maintenance Time and Costs

- Extended fluid and filter change intervals reduce maintenance costs by up to 20%.
- 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.

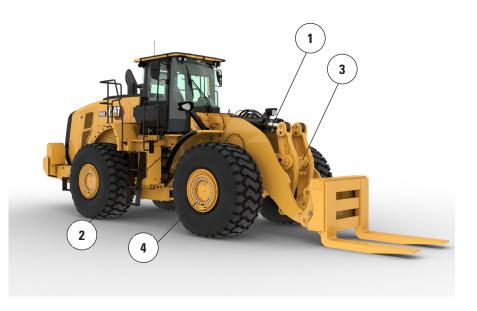
Work in Comfort in the All New Cab

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

980 Block Handler Specifications

980 Block Handler Features

- 1. Larger tilt cylinders for increased load control
- 2. Extreme service transmission with lockup clutch torque convertor for improved performance and durability
- 3. Rack limiting feature to prevent unintended lever contact with the blocks
- 4. Heavy-duty rims have a thicker center disc and rim section that were specifically designed to carry the additional loads that are common in a block handling application





- 5. Heavier counterweight provides for greater tipping loads while the integrated counterweight guard protects the counterweight from impact
- 6. Rear frame is reinforced and features solid steel frame rails rearward of the axle
- 7. Optional axle oil cooler provides lower axle oil temperatures in high braking applications

980 Block Handler Specifications

Tire Options

Tire Brand	BRIDGESTONE	GOODYEAR	BRIDGESTONE	
Tire Size	29.5R25	29.5R25	29.5R25	
Tread Type	L-3	L3	L-5	
Tread Pattern	VJT	RT-3B	VSDL	
Casing Strength	**	**	**	
Width over Tires – Maximum (empty)*	3263 mm	3270 mm	3250 mm	
	10'9"	10'9"	10'8"	
Width over Tires – Maximum (loaded)*	3289 mm	3311 mm	3275 mm	
	10'10"	10'11"	10'9"	
Change in Vertical Dimensions		-1 mm	43 mm	
(average of front and rear)		0"	1.7"	
Change in Horizontal Reach		4 mm	-30 mm	
-		0.1"	-1.2"	
Change in Clearance Circle to Outside of Tires		22 mm	-14 mm	
		0.9"	-0.6"	
Change in Clearance Circle to Inside of Tires		-22 mm	14 mm	
		-0.9"	0.6"	
Change in Operating Weight (without Ballast)		348 kg	1392 kg	
		767 lb	3,069 lb	
Change in Static Tipping Load – Straight		265 kg	1059 kg	
		584 lb	2,334 lb	
Change in Static Tipping Load – Articulated		230 kg	922 kg	
		508 lb	2,032 lb	
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	
	1'1"	1'1"	1'1"	

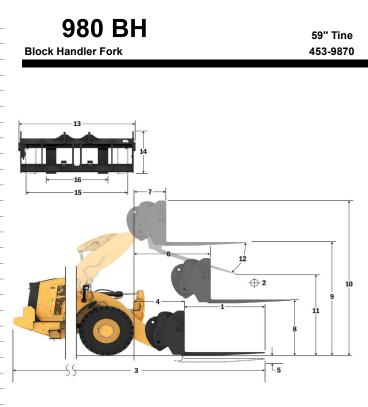
*Width over tire bulge and includes tire growth.

980 Block Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm in	1495 58.9
2	Load Center	mm in	748 29.4
	Static Tipping Load - Straight (Forks Level)	kg	21931
	Static Tipping Load - Articulated (Forks Level)	lbs kg	48335 19180
	Static Tipping Load - Articulated (Forks Level)	lbs	42273
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	9590 21137
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	11508 25364
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	15344 33819
	Maniharana Quana II I an ath	mm	10365
3	Maximum Overall Length	in	408.1
4	Reach with Forks at Ground Level	mm in	1259 49.6
-	*Crown dite Dettern of Time at Minimum Height and Fark Lavel	mm	-254
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-10.0
6	Reach with Arms Horizontal and Forks Level	mm in	1766 69.5
7	Reach with Fork at Maximum Height	mm	839
	•	in mm	33.0 1971
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	77.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4239 166.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5284 208.0
11	Clearance at Full Lift and Max Dump	mm in	2842 111.9
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	1504 59.2
		in mm	<u>59.2</u> 1160
14	Overall Carriage Height	in	45.7
15	Outside Tine Width (max spread)	mm in	1454 57.2
40	Outside Time (Midth (min annead)	mm	1454
10	Outside Tine Width (min spread)	in	57.2
	Tine Width (single tine)	mm in	300.0 11.8
	Tine Thickness	mm	115.0
		in kg	4.5 26488
	Tine Capacity	lbs	58380
	Operating Weight	kg Ibs	33601 74056
	*Negative values indicate below grade	103	14000



*Negative values indicate below grade

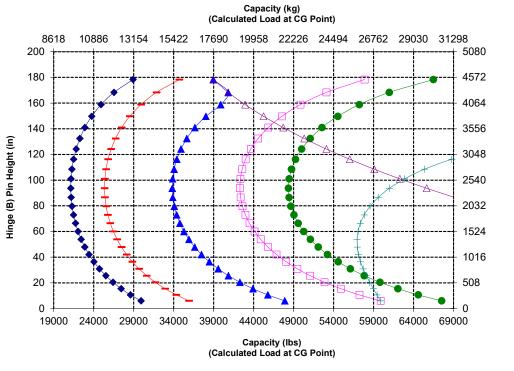
-Payload (SAE J1197)
Payload (CEN EN 474-3 - Rough Terrain
-D-Static Tipping Load - Articulated
Static Tipping Load - Straight
-a-Hydraulic Tilt Capacity
Hydraulic Lift Capacity

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

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 on rydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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



Hinge (B) Pin Height (mm)





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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